

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

SUBMITTED TO
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
FOR INSTITUTIONAL ACCREDITATION
BY



RAGHAVENDRA
INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH
Accorded 2 (f) & 12 (B) status by UGC & NBA Accredited Institution (UG)
Saigram, Krishnamreddypalli Cross, Chiyyedu (Po), Anantapuramu - 515721, A. P (India)

Ph: 08554 - 255646, 255548 (O), 272177, 272170 (R), Fax: 08554 - 255646

E mail: riperatp@rediffmail.com, riperatp@gmail.com

www.riper.ac.in

PREFACE

It gives me immense pleasure and privilege to submit the Self Study Report (SSR) of RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION and RESEARCH (RIPER) one of a renowned premier pharmacy institute in India for the first cycle of accreditation by the National Assessment & Accreditation Council (NAAC), Bangalore.

This report has been prepared following the guidelines of NAAC. The report is a reflection of the academic and administrative functions and activities happening during the past years in the College focusing on curricular aspects, teaching-learning and evaluation, research, consultancy and extension, infrastructure and learning resources, student support and progression, governance, leadership and management, innovations and best practices and departmental exercises of RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION and RESEARCH (RIPER).

It is an endeavour which encourages us to examine our strengths, assess our weaknesses, accumulate the opportunities offered in higher education and prepare the challenges that at the forefront. A committee comprising of three faculty members has been constituted to complete the report.

The committee has prepared the report through group discussions with its members and regular interactions with the Principal and the entire campus community. The report has been finalized with utmost sincerity, honesty and collective effort of the faculty members which is now being submitted to the NAAC for assessment and accreditation. It would be a great delight to hear from you soon on Peer Team visit for inspection of our College.

Dr. Y. Padmanabha Reddy. M. Pharm, PhD, FIC

Principal & Professor

Raghavendra Institute of Pharmaceutical Education and Research - RIPER
Anantapur, Andhra Pradesh

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To

The Director

National Assessment and Accreditation Council (NAAC)

Bangalore

From,

Dr. Y. Padmanabha Reddy. M. Pharm., PhD, FIC

Professor and Principal

Raghavendra Institute of Pharmaceutical Education and Research-RIPER

Anantapuramu, Andhra Pradesh

Respected Sir,

Sub: Submission of Self Study Report of (SSR) of Raghavendra Institute of Pharmaceutical Education and Research-RIPER, for Assessment and Accreditation process Cycle I under NAAC. Request-Reg

Raghavendra Institute of Pharmaceutical Education and Research, well known as RIPER, is the premier and renowned Pharmacy institute promoted by Raghavendra Educational and Rural Development Society was established by a team of Pharmacy professionals. The institute is exclusively dedicated to Pharmacy education offering Diploma, Graduate, Post graduate and Doctor of Pharmacy courses as per norms of AICTE, PCI New Delhi, affiliated to JNTUA, Anantapur and SBTET Andhra Pradesh.

The practice of pharmacy in Raghavendra Institute of Pharmaceutical Education (RIPER) is of optimum standards with eminent, expertise faculties of specialties. The Institute is one among leading pharmaceutical care frontier in providing healthcare services to public.

I submit five hard copies of self study report (SSR) along with one soft copy (CD) of the same as directed by you for the assessment and accreditation process, and kindly extend a warm welcome to the expert committee for a visit in our institution.

Thanking You Sir,

Yours Sincerely

Dr. Y. Padmanabha Reddy

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Profile of the Institution

| | | |
|-------|--|---|
| 01 | Process and Cycle | ACCREDITATION, Cycle 1 |
| 02 | Institution Name | RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH - RIPER |
| 03 | Name of the Head of the Institution | PROF. Y. PADMANABHA REDDY |
| 03. A | Designation | PRINCIPAL |
| 04 | Address | Saigram, Krishnamreddypalli Cross, Chiyyedu (Po), |
| | City | Anantapuramu |
| | State | Andhra Pradesh |
| | Pin code | 515721 |
| | Phone no | 08554 - 255646, 255548 |
| | Mobile no | + 91 9848543932 |
| | Fax | 08554 - 255646 |
| | E mail | riperatp@rediffmail.com riperatp@gmail.com |
| | Website | www.riper.ac.in |
| 05 | Year of Establishment | 2002 |
| 05. A | Have two batches of students graduated from the college | YES |
| 06 | Is the College recognized under 2f of UGC act | YES |
| 06. A | Date of Recognition by UGC under 2f | 09 May 2014 |
| | Uploaded UGC 2f certificate | RIPER 2(f). PDF |
| 07 | Is the College recognized under 12B of UGC act | YES |
| 07. A | Date of Recognition by UGC under 12B | 09 May 2014 |
| | Uploaded UGC 12B certificate | RIPER 12(B). PDF |
| 07. B | Name of the university to which the college is Affiliated or of which the college is Constituent | JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (JNTUA), Anantapuramu |
| | State in which affiliating university is located | ANDHRA PRADESH |
| | Type of AFFILIATION | PERMANENT |
| | Uploaded Certificate | RIPER - UNIVERSITY.PDF |

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| | | |
|-------|---|--|
| 07. C | If the institution is not affiliated to a university, does it offer any programmes recognized by any Statutory Professional Regulatory (SPR) Council which is equivalent to a post graduate programme of a university | NO |
| | Name of the Programmes | Not Applicable |
| | Name of the SPR Council recognizing it | Not Applicable |
| | Equivalent University degree | Not Applicable |
| 08. A | Is the Institution recognized as an Autonomous College by the UGC | NO (Autonomous status conferred W.e.f 2016- 2017 Academic Year) |
| | Autonomous Date | |
| | Uploaded Certificate | RIPER (Autonomous). PDF |
| 08. B | Is the Institution recognized as "College with Potential for Excellence" (CPE) by the UGC | NO |
| | CPE Date | Not Applicable |
| | Uploaded Certificate | Not Applicable |
| 08. C | Is the Institution is offering any programmes by any Statutory Regulatory Authority (SRA) | YES |
| | Statutory Regulatory Bodies | AICTE (All India Council for Technical Education) PCI (Pharmacy Council of India) |
| | Uploaded certificate of recognition by SRA | RIPER - SRA. PDF |
| 09. A | Nature of the College | PRIVATE - SELF FINANCING |
| 09. B | Number of degrees offered | Certificate: NIL Diploma: 1 UG: 1 PG: 5 PG Diploma recognized by statutory authority: NIL Research: 5 Others |

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| | | |
|-------|--|--|
| 09. C | Details of degrees offered | Arts: Commerce: Science: Education: Health Sciences: Engineering and Technology: Management: Others: B. PHARMACY M. PHARMACY (Pharmaceutical Analysis & Quality Assurance) M. PHARMACY (Pharmaceutics) M. PHARMACY (Pharmacology) M. PHARMACY (Pharmacy Practice) PHARM. D PHARM. D (Post Baccalaureate) DOCTOR OF PHILOSOPHY (PhD) |
| 10 | Whether Teacher Education / Physical Education department is opting for A & A process separately | NO |
| 11 | Total Number of Teaching Staff Total Number of Non-teaching Staff Students | 44 40 |

Executive Summary –The SWOC Analysis of the Institution

THE PROMOTING BODY

INTRODUCTION TO ITS GENESIS INCLUDING ITS REGISTRATION STATUS

Raghavendra Educational and Rural Development Society (Registered Under Act XXI of 1860 / S. no - 198 of 2001) and was established by a team of Pharmacy professionals with main focus on promoting quality education with international standards to achieve and ration the current entailment of globalization in healthcare, finance and technology education.

Table. 1 Details of its Promoters including their Background

| | |
|-----------|-------------------------|
| PRESIDENT | Mrs. P. Madhavi Reddy |
| SECRETARY | Mrs. C. Sobha Rani |
| MEMBER | Dr. Y. Padmanabha Reddy |
| MEMBER | Dr. J. Ravindra Reddy |
| MEMBER | Mr. S. Srinivasa Reddy |
| MEMBER | Mrs. I. Manjula |
| MEMBER | Dr. Y. Samhitha Reddy |
| MEMBER | Mr. Y. Nagasubba Reddy |

Activities of the Promoting Body including a listing of major educational and Promotional activities undertaken in the past

The Raghavendra Educational and Rural Development Society (Registered Under Act XXI of 1860 / S. no - 198 of 2001) and was established by a team of Pharmacy professionals. The institute is exclusively dedicated to Pharmacy education offering Diploma, Graduate, Post graduate and Doctor of Pharmacy and full time Doctor of Philosophy (PhD) in Pharmaceutical Sciences programmes, as per norms of All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI), New Delhi and State board of technical education and training (SBTET), Govt. of Andhra Pradesh. The institution is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA), Ananthapuramu, Andhra Pradesh.

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The University Grants Commission (UGC - Ministry of Human Resource Development, Govt of India) conferred fresh autonomous status to Raghavendra Institute of Pharmaceutical Education and Research (RIPER) under the UGC scheme for autonomous colleges for a period of six years w.e.f 2016 - 2017 to 2021 - 2022.

Raghavendra Institute of Pharmaceutical Education is the only pharmacy institute in Andhra Pradesh to get empanelled for Knowledge partnership with National Health Systems Resource Centre (NHSRC) in Healthcare Technology - Technical Support Institution with National Rural Health Mission, Ministry of Health and Family Welfare Government of India.

The Undergraduate program (B. Pharm) Raghavendra Institute of Pharmaceutical Education and Research (RIPER) is accredited by National Board of Accreditation (NBA) for UG programme and also recognized by University Grant Commission (UGC) under section 12 (B) & 2 (f) of the UGC Act 1956.

Raghavendra Institute of Pharmaceutical Education and Research (RIPER) started the Degree in Bachelor of Pharmacy programme (B.Pharmacy), as per norms of AICTE, PCI New Delhi, affiliated to Jawaharlal Nehru Technological University, Hyderabad in the year of 2002. From the year 2008 the B. Pharmacy programme functions in affiliation with Jawaharlal Nehru Technological University Anantapur, JNTUA, Anantapuramu, Andhra Pradesh, India, due to the bifurcation of University in to JNTUA, JNTUH, JNTUK.

The Post graduation / Masters in Pharmacy, was started in the year of 2008 with Pharmaceutical Analysis & Quality Assurance as speciality, later in the year of 2010 - 2011 Pharmaceutics and Pharmacology specialities were added. By the year 2014, M. Pharmacy in Pharmacy Practice was introduced.

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Pharm.D course in this institute was approved in the year 2008 and Pharm D post bacalaureate was approved to start in the year 2009. Pharm.D course was established in Memorandum of Understanding (MoU) with RDT hospitals, Bathalapalli, Anantapur, which is a Spain based trust Hospital with 350 bed capacity. This hospital has diverse departments like general medicine, gynaecology, oncology, paediatric care, HIV/AIDS care, infectious diseases department, general surgery.

Mission of the Promoting Body

The Raghavendra Educational and Rural Development Society (RERDS) endeavor to:

- Provide quality and affordable management education to all students of competence with national vision and social sensitivity.
- Become a leading resource centre for research, consultancy, and publication in the business-economy-society interface for promoting knowledge application and facilitating corporate strategies and national policies.
- Create academic and research linkages with national and international institutions of repute as platforms for enabling its students, research scholars and faculty to excel in their specializations.
- Extend access to managerial knowledge and skills to in-service professionals and new aspirants using tailor-made training programmes for meeting the social goal of access to learning for all.
- Recognize those contributing to managerial excellence, corporate social responsibility and sustainable development with internationally acclaimed awards for inspiring their peers to achieve business success with ethics and good governance.

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- Encouraging and establishing a strong bond with the corporate sector, government, media and society to reinforce the strategic interflow among knowledge, policy, practice and impact.

Vision of the Promoting Body

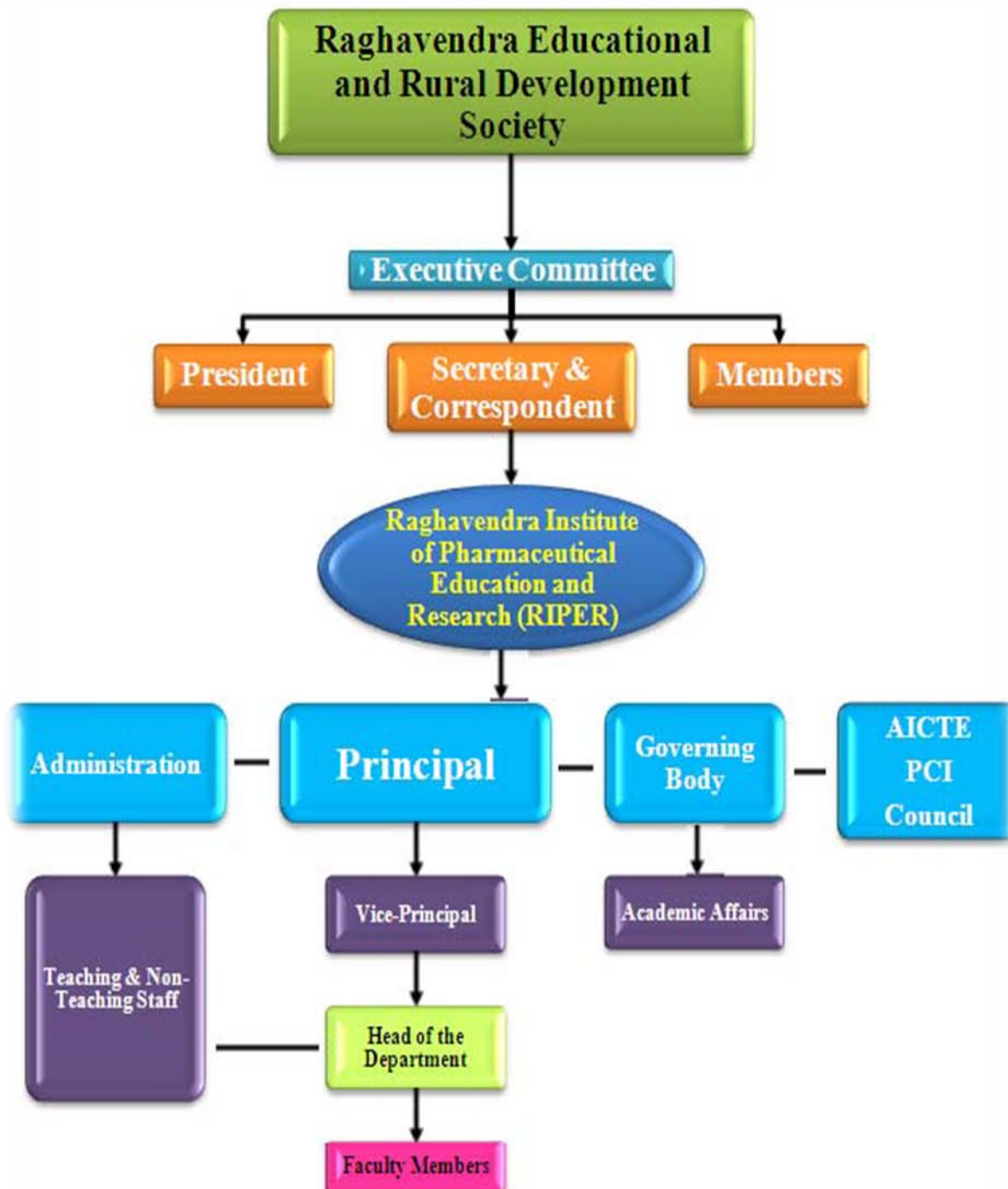
The Raghavendra Educational and Rural Development Society (RERDS) to be a premiere management school promoting academic excellence and professional ethics for individual growth, national development and social welfare.

INSTITUTIONAL MANAGEMENT

Raghavendra Institute of Pharmaceutical Education and Research, well known as RIPER, is the premier and renowned Pharmacy institute promoted by Raghavendra Educational and Rural Development Society was established by a team of Pharmacy professionals. The institute is exclusively dedicated to Pharmacy education offering Diploma, Graduate, Post graduate and Doctor of Pharmacy courses as per norms of AICTE, PCI New Delhi, affiliated to JNTUA, Anantapur and SBTET Andhra Pradesh. Raghavendra Institute of Pharmaceutical Education and Research (RIPER) was started in the year 2002 under Raghavendra Educational and Rural Development Society. It is located 12km away from Anantapuramu town nearest to S.K. University. It is popularly known as green campus, since it has well grown medicinal garden. Initially it is started with work space around 12000 sq feet with class room, library, office, principal chamber and labs. Progressively the work space was extended to 84330 sq feet with all well established facilities for Centre for Pharmaceutical Research (CPR), Animal house, Quality control unit, Machine room, Seminar halls (a/c and non a/c), Drug Information Centre (DIC). The practice of pharmacy in Raghavendra Institute of Pharmaceutical Education (RIPER) is of optimum standards with eminent, expertise faculties of specialties. The Institute is one among leading pharmaceutical care frontier in providing healthcare services to public.

ORGANIZATIONAL STRUCTURE

Organizational chart showing the hierarchy of administration



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Table. 2 Various Committees in Institutional Administrative Setup

| Name of the Committee | Constitution | Functions |
|--|--|---|
| Executive Committee | President Secretary Correspondent Members | Approval of Budget. Developmental activities proposed by the principal. Decision on new courses. Decision on policies. Approval for governing body resolutions. |
| Governing Body | Chairman Member secretary Society nominated member Society nominated member University Nominee Ex-officio from AICTE Ex officio from Director of technical Education Senior faculty members | Making resolution and forwarding recommendation regarding: 1. New facility / faculty 2. New / expansion of courses 3. Proposal on developmental activities 4. Constitution of various committee 5. Recruitment 6. Purchase proposal |
| Staff Selection Committee | Principal Vice - Principal Two Senior faculty members | Identification of suitable teaching staff based on qualification and conduct of interview, Demo, decision |
| Technical Staff & Administration Staff Selection | Principal Office Superintendent | Identification of suitable staff based on qualification and conduct of interview. |
| Purchase Committee | Principal Vice - Principal Senior faculty members Member from Govt. sector | Identification of vendors, for Purchase of chemicals and equipment and submitting budget. |
| Academic Cell | Principal Vice - Principal Head / In-charge from all departments | Overview of various results. Design of action plan, feedback and overall academic developmental activities. |
| Grievance Cell / Discipline Committee | Principal Vice - Principal 2-3 senior faculty members | Responding, verifying and design of action plan to rectify the issues / Complaints. Coordination of Discipline. |
| Anti - Ragging Committee | Principal Senior faculty Members | Review of complaints / Vigilance / Action Plan as per Act |

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Table. 3 Executive Committee

| Constitutional Members | Name of the Members | Functions / Responsibilities |
|-----------------------------|-------------------------|--|
| President | Mrs. P. Madhavi | Approval of Budget, |
| Secretary and Correspondent | Mrs. C. Shoba Rani | Developmental activities |
| Members | Dr. Y. Padmanabha Reddy | proposed by the principal, |
| | Dr. J. Raveendra Reddy | Decision on new courses, |
| | | Decision on policies, |
| | | Approval for governing body resolutions. |

Table. 4 Governing Body

| | | |
|---|--|--------------------------------------|
| Chairman | Mr. Katta Anand | Making resolution and forwarding |
| Member secretary | Dr. Y. Padmanabha Reddy | recommendation regarding |
| Society nominated member | Mrs. C. Shoba Rani | New facility / faculty |
| Society nominated member | Mrs. P. Madhavi Reddy | New / expansion of courses |
| University Nominee | Dr. V. Sumalatha, Associate Professor, Co-ordinator, Academic & Planning, JNTUA | Proposal on developmental activities |
| Ex-officio from AICTE | Regional Officer, SCRO, AICTE | Constitution of various committee |
| Ex officio from Director of Technical Education | Director of Technical Education, Govt. of A.P. | Recruitment |
| Senior faculty members | Dr. J. Raveendra Reddy Dr. C. Sowmya Dr. P. Ramalingam Mr. S. Nagarjuna | Purchase proposal |

Table. 5 Staff Selection Committee

| | | |
|----------------------|--|--|
| Principal | Dr. Y. Padmanabha Reddy | Identification of suitable teaching staff based on qualification and conduct of interview, demos & decision. |
| Vice-principal | Dr. J. Raveendra Reddy | |
| Two senior faculties | Two senior faculty members from concerned discipline | |

Table. 6 Technical and Administrative Staff Committee

| | | |
|-----------------------|-------------------------|--|
| Principal | Dr. Y. Padmanabha Reddy | Identification of suitable teaching staff based on qualification and conduct of interview. |
| Office superintendent | Mr. P. Harinath Reddy | |

Table. 7 Purchase Committee

| | | |
|--|---|---|
| Principal Vice-principal Senior faculty members Member from Govt sector | Dr. Y. Padmanabha Reddy Dr. J. Raveendra Reddy Dr. P. Ramalingam Dr. C. Sowmya Dr. M. Vijaya Jyothi Drug Inspector, Ananthapuramu | Identification of vendors, for purchase of chemicals and equipment and submitting budget. |
|--|---|---|

Table. 8 College Academic Committee – Academic Cell

| | | |
|---|---|--|
| Principal Vice-principal Head of departments Course In-charges | Dr. Y. Padmanabha Reddy Dr. J. Raveendra Reddy Dr. P. Ramalingam Dr. C. Sowmya Dr. M. Vijaya Jyothi Dr. Mohanraj Rathinavelu Mr. K. Vinod Kumar Mr. C. Surya Prakash Reddy | Overview of the various results. Design of action plan, feedback and overall academic developmental activities. |
|---|---|--|

Table. 9 Grievance Cell / Discipline Committee

| | | |
|---|--|---|
| Principal Vice-principal Two senior faculties | Dr. Y. Padmanabha Reddy Dr. J. Raveendra Reddy Dr. P. Ramalingam Mrs. M. Geethavani Mr. Omkareswar | Responding, verifying and design of action plan to rectify the issues. Coordination of discipline in campus. |
|---|--|---|

INSTITUTIONAL DATA



Dr. Y. Padmanabha Reddy is Professor and Principal of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) where he teaches courses dealing with Pharmaceutical Analysis and related research guidance. He has 30 years of rich experience in academics and research. He earned his bachelor's and post-graduation in pharmacy from Andhra University, (AU College of Science & Technology), Doctorate of Philosophy from Department of Pharmaceutical Sciences (AU). For more than 20 years, he led a team that conceptualized and implemented innovative research services in field of pharmacy.

Dr. Y. Padmanabha Reddy is one of the most distinguished personalities in Pharmacy field and recipient of several awards like best Thesis award (by Andhra University), best Principal award by (Faculty branding award 2014), and held more honorary positions and membership in professional bodies. He is the President of Indian Pharmaceutical Association (IPA) Local Branch and President of International Society for Pharmacoeconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter; he is served as an EC Member, Education Division, Indian Pharmaceutical Association, Mumbai. EC Member, Indian Pharmaceutical Association, Tirupathi. EC Member, Association of Pharmaceutical Teachers of India.

Dr.Y.Padmanabha Reddy. M. Pharm, PhD, F.I.C

Professor &Principal,

Raghavendra Institute of Pharmaceutical Education and Research (RIPER)

QUALITY POLICY

Dedicated to impart quality pharmacy education and training leading to “Degree in Pharmacy” and aims at being a global education and research institution through continual improvement and effectiveness of the quality system.

SHORT TERM GOALS

- Begin campaign plans on developing RIPER as renowned institute in the state for quality pharmaceutical education.
- Enhance and upgrade laboratory environment with the appropriate industry recommended technology.
- Establish various units to encourage education with industry orientation and research developmental activity.
- Pursue opportunities for students by establishing various units like placement, training, industrial interaction and research cell.

LONG TERM GOALS

- Develop RIPER as centre of excellence for pharmacy in the country.
- Pursue industry, research institution collaboration across the globe with adequate contribution to down trodden community.
- Enhance to pursue research grants and number of intellectual property in pharmaceutical and socioeconomic health Research.

VISION

- To create professionally competent and socially sensitive pharmacists, capable of working in multifaceted environment with newer evolving technology.

MISSION

- To enable our students to develop into outstanding professionals and aware of the immense responsibilities to make the world better in the field of pharmacy.

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Table.10 Courses Offered

| S. No | Courses | Year | Intake |
|--------------|---|-------------|---------------|
| 01 | Diploma in Pharmacy (D. Pharmacy) | 2003 | 60 |
| 02 | Bachelor of Pharmacy (B. Pharmacy) | 2002 | 120 |
| 03 | Master of Pharmacy (M. Pharmacy) | | |
| | Pharmaceutical Analysis & Quality Assurance | 2008 | 60 |
| | Pharmaceutics | 2009 | 54 |
| | Pharmacology | 2009 | 18 |
| | Pharmacy Practice | 2013 | 24 |
| 04 | Pharm. D (Doctor of Pharmacy) | 2008 | 30 |
| 05 | Pharm. D (Doctor of Pharmacy - Post Bacalaureate) | 2009 | 10 |
| 06 | Doctorate in Philosophy (PhD) - Pharmaceutical Sciences | 2013 | 5 |

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APPROVALS / AFFILIATIONS / RECOGNITIONS / AWARDS

Raghavendra Institute of Pharmaceutical Education and Research (RIPER) is one of the emergent, reputed pharmacy institute of India imparting pharmacy education and its practice with international standards for the past one decade and more. Raghavendra Institute of Pharmaceutical Education and Research (RIPER) has its professional and lawful affiliations from Pharmacy Council of India (PCI), All India Council for Technical Education (AICTE), Jawaharlal Nehru Technological University Anantapur - JNTUA, State Board of Technical Education and Training (SBTET) for running pharmacy programmes with maximum credentials of positive response during audit.

UNIVERSITY GRANT COMMISSION (UGC)

| S. No | Recognition & Affiliation | Subject | Dated |
|-------|---------------------------|--|------------|
| 01 | UGC | Conferment of Fresh Autonomous Status to Raghavendra Institute of Pharmaceutical Education and Research – RIPER, under the UGC Scheme for autonomous Colleges for a period of SIX years w.e.f. 2016-2017 to 2021-2022. | 13.10.2015 |

NATIONAL BOARD OF ACCREDITATION (NBA)

| S. No | Name of the Programme (UG) | Basis of Evaluation | Accreditation Status | Period of validity w.e.f 01.07.2014 | Remarks |
|-------|----------------------------|---------------------|--------------------------|-------------------------------------|---|
| 01 | B.Pharmacy | Tier - II | Provisionally Accredited | 02 Years | Accreditation Status granted is valid for the period indicated in Col.5 or till the programme has the approval of the Competent Authority, whichever is earlier |

UNIVERSITY GRANT COMMISSION (UGC)

| S. No | Recognition & Affiliation | Subject | Dated |
|-------|---------------------------|---|------------|
| 01 | UGC | Recognition of College under section 2 (f) & 12 (B) of the UGC Act 1956 | 09.05.2014 |

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STATE BOARD FOR TECHNICAL EDUCATION AND TRAINING (SBTET), A.P

| S. No | From & To | Subject | Dated |
|-------|-----------|---|------------|
| 01 | 2003-04 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, 2003 - 2004 | 28.11.2003 |
| 02 | 2004-05 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2004-2005 | 16.07.2004 |
| 03 | 2005-06 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2005-2006 | 10.08.2005 |
| 04 | 2006-07 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2006-2007 | 13.09.2006 |
| 05 | 2007-08 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2007-2008 | 06.12.2007 |
| 06 | 2008-09 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2008-2009 | 21.11.2008 |
| 07 | 2009-10 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2009-2010 | 02.01.2010 |
| 08 | 2010-11 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2010-2011 | 22.12.2010 |
| 09 | 2011-12 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2011-2012 | 28.12.2011 |
| 10 | 2012-13 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2012-2013 | 07.11.2012 |
| 11 | 2013-14 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2013-2014 | 11.10.2013 |
| 10 | 2014-15 | Temporary Affiliation/Recognition of Raghavendra Institute of Pharmaceutical Education & Research, Anantapur - Accorded for the academic year 2014-2015 | 02.12.2014 |

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (JNTUA)

| S. No | From & To | Subject | Dated | Program |
|-------|-----------|--|------------|------------|
| 01 | 2002-03 | JNT University, Hyderabad - Academic & Planning - Affiliation of Private Pharmacy Colleges by JNT University - Grant Provisional/Temporary Affiliation for First Year 2002-2003 to Raghavendra Institute of Pharmaceutical Education & Research, Anantapur sponsored by Raghavendra Educational & Rural Development Society. | 14.11.2002 | B.Pharmacy |
| 02 | 2003-04 | JNT University, Hyderabad - Academic & Planning - Grant of Renewal of Provisional/Temporary Affiliation for Academic Year 2003 - 2004 to Raghavendra Institute of Pharmaceutical Education & Research. | 26.03.2004 | B.Pharmacy |
| 03 | 2004-05 | JNT University, Hyderabad - Academic & Planning - Grant of Renewal of Provisional/Temporary Affiliation for Academic Year 2004 - 2005 to Raghavendra Institute of Pharmaceutical Education & Research | 02.03.2005 | B.Pharmacy |
| 04 | 2005-06 | JNT University, Hyderabad - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2005 - 2006 to Raghavendra Institute of Pharmaceutical Education & Research | 01.02.2006 | B.Pharmacy |
| 05 | 2006-07 | JNT University, Hyderabad - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2006 - 2007 to Raghavendra Institute of Pharmaceutical Education & Research | 24.02.2007 | B.Pharmacy |
| 06 | 2007-08 | JNT University, Hyderabad - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2007 - 2008 to Raghavendra Institute of Pharmaceutical Education & Research | 08.10.2007 | B.Pharmacy |

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (JNTUA)

| S. No | From & To | Subject | Dated | Program |
|-------|-----------------|---|------------|------------|
| 07 | 2008-09 | JNT University, Hyderabad - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2008 - 2009 to Raghavendra Institute of Pharmaceutical Education & Research | 30.10.2008 | B.Pharmacy |
| 08 | 2009-10 | JNT University, Anantapur - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2009 - 2010 to Raghavendra Institute of Pharmaceutical Education & Research | 06.02.2010 | B.Pharmacy |
| 09 | 2010-11 | JNT University, Anantapur - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2010 - 2011 to Raghavendra Institute of Pharmaceutical Education & Research | 27.10.2010 | B.Pharmacy |
| 10 | 2011-12 | JNT University, Anantapur - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2011 - 2012 to Raghavendra Institute of Pharmaceutical Education & Research | 28.09.2011 | B.Pharmacy |
| 11 | 2012-13 | JNT University, Anantapur - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2012 - 2013 to Raghavendra Institute of B.Pharmacy Pharmaceutical Education & Research | 10.09.2012 | B.Pharmacy |
| 12 | 2012-13 | JNT University, Anantapur - Academic & Planning - Grant of Temporary Affiliation for Academic Year 2012 - 2013 to Raghavendra Institute of Pharmaceutical Education & Research | 07.03.2013 | B.Pharmacy |
| 13 | 2013 -18 | JNT University, Anantapur - Academic & Planning - Grant of Permanent Affiliation from the Academic Year 2013 - 2014 to Raghavendra Institute of Pharmaceutical Education & Research. | 11.10.2013 | B.Pharmacy |
| 14 | 2013-14 onwards | JNTUA, Anantapur - Research & Development Cell - Recognition of Research Centres (RRC) for Pharmaceutical Sciences for the academic year 2013 - 14 to Raghavendra Institute of Pharmaceutical Education & Research (RIPER). | 15.04.2013 | RRC |

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PHARMACY COUNCIL OF INDIA (PCI)

| S. No | From & To | Subject | Dated | Program |
|-------|--------------------------|--|------------|------------------------|
| 01 | 2002-03 to 2007-08 | Consideration of approval of B. Pharm course Ref.No.32-291/2004-PCI-8121-22, Approved from 2002-03 to 2007-08 | 21.09.2006 | B.Pharmacy |
| 02 | 2008-09 to 2010-11 | Approval B. Pharm course Ref.No.32-291/2004-PCI-1999-2000, Approved up to academic year 2010 - 2011 | 08.05.2008 | B.Pharmacy |
| 03 | 2011-12 to 2013-14 | Consideration of approval of B.Pharm course & exams Ref.No.32-291/2011-PCI/24249-50, Approved up to academic year 2013 - 2014 | 21.09.2011 | B.Pharmacy |
| 04 | 2003-04 to 2005-06 | Consideration of approval of D.Pharm course & exams Ref.No.17-581/2003-PCI/5670-71 | 02.12.2004 | D.Pharmacy |
| 05 | 2006-07 to 2007-08 | Consideration of approval of D.Pharm course & exams Ref.No.17-581/2003-PCI/11103-6 | 23.02.2006 | D.Pharmacy |
| 06 | 2008-09 to 2010-11 | Consideration of approval of D.Pharm course & exams Ref.No.17-581/2003-PCI/2005-6 | 08.05.2008 | D.Pharmacy |
| 07 | 2011-12 to 2013-14 | Consideration of approval of D.Pharm course & exams Ref.No.17-581/2011-PCI/24247-48 | 21.09.2011 | D.Pharmacy |
| 08 | 2008-09 | Consideration of approval of Pharm. D course & exams Ref.No. 50-291/2008 - PCI - 1/07779 | 12.09.2008 | Pharm. D |
| 09 | 2009-10 | Consideration of approval of Pharm. D course & exams Ref.No. 50-291/2008 - PCI - 5790-91 | 13.06.2009 | Pharm. D & Pharm.D PB |
| 10 | 2009-10 | Consideration of approval of Pharm. D course & exams Ref.No. 50-291/2009 - PCI -16621-23 | 31.08.2009 | Pharm. D Pharm.D PB |
| 11 | 2010-11 | Consideration of approval of Pharm. D course & exams Ref.No. 50-291/2010 - PCI -11086-88 | 23.06.2010 | Pharm. D Pharm.D PB |
| 12 | 2011-12 | Consideration of approval of Pharm. D course & exams Ref.No. 50-291/2011 - PCI -22673-75 | 30.08.2011 | Pharm. D Pharm.D PB |
| 13 | 2012-13 to 2013-14 | Consideration of approval of Pharm. D course & exams Ref.No. 17-1/2013 - PCI -3568-3880 | 13.05.2013 | Pharm. D Pharm.D PB |
| 14 | 2014-15 to 2017-18 | Consideration of approval of Pharm. D course & exams Ref.No. 50-291/2013-PCI-14750-56 | 24.06.2014 | Pharm. D Pharm.D PB |

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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE)

| S. No | From & To | Subject | Dated | Program |
|-------|-----------|---|------------|----------------------------|
| 01 | 2002-03 | AICTE approval to RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION AND RURAL DEVELOPMENT SOCIETY, 3/296 SASTRI NAGAR,, AKKAYAPALLE,, CUDDAPAH, PIN CODE:- 516001 for establishment of RAGHAVENDRA INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH, SAIGRAM CHIYYEDU CROSS, KANDAKURU, PAMCHYAT, KADIRI ROAD, ANANTAPUR RURAL, MANDAL, ANDHRA PRADESH:- 515721 | 27.05.2002 | B. Pharmacy |
| 02 | 2003-04 | Extension of approval of AICTE to RAGHAVENDRA INST. OF PHARMACEUTICAL EDU. & RES. SAIGRAM CHIYYEDU (P) KRISHNAM REDDYPALLI CROSS, KANDAKUR PANCHYAT, KADIRI ROAD, ANANTAPUR RURAL, MANDAL, AP:- 515721, for the academic year 2003-04 | 30.04.2003 | B. Pharmacy D. Pharmacy |
| 03 | 2004-05 | Extension of approval of AICTE to RAGHAVENDRA INST. OF PHARMACEUTICAL EDU. & RES., SAIGRAM, CHIGGEDU CROSS, KANDAKUM PAMCHYAT, KADIRI ROAD, ANANTAPUR RURAL, MANDAL, AP:-515721, for the academic year 2004-05 | 14.05.2004 | B. Pharmacy D. Pharmacy |
| 04 | 2005-06 | Extension of approval of AICTE to RAGHAVENDRA INST. OF PHARMACEUTICAL EDU. & RES. SAIGRAM CHIYYEDU (P) KRISHNAM REDDYPALLI CROSS, KANDAKUR PANCHYAT, KADIRI ROAD, ANANTAPUR RURAL, MANDAL, AP:- 515721, for the academic year 2005-06 | 05.07.2005 | B. Pharmacy D. Pharmacy |
| 05 | 2006-07 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2006-07 | 24.05.2006 | B. Pharmacy D. Pharmacy |
| 06 | 2007-08 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2007-08 | 10.05.2007 | B. Pharmacy D. Pharmacy |

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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE)

| S. No | From & To | Subject | Dated | Program |
|-------|--------------------|---|--------------------------|---|
| 07 | 2008-09 2008-10 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2007-08 | 24.05.2008 27.05.2008 | D. Pharmacy B. Pharmacy |
| 08 | 2008-10 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2008-09 | 04.09.2008 23.07.2009 | B. Pharmacy M.Pharmacy (P.A & Q.A) |
| 09 | 2009-10 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2009-10 | 10.08.2009 | D. Pharmacy |
| 10 | 2010-11 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2010-11 | 14.06.2010 23.08.2010 | D.Pharmacy B. Pharmacy M.Pharmacy (P.A & Q.A) |
| 11 | 2011-12 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2011-12 | 01.09.2011 | D.Pharmacy B. Pharmacy M.Pharmacy - (P.A & Q.A) Pharmacology Pharmaceutics |
| 12 | 2012-13 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2012-13 | 10.05.2012 | D.Pharmacy B. Pharmacy M.Pharmacy - (P.A & Q.A) Pharmacology Pharmaceutics |
| 13 | 2013-14 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2012-13 | 05.04.2013 | D.Pharmacy B. Pharmacy M.Pharmacy - (P.A & Q.A) Pharmacology Pharmaceutics |
| 14 | 2014-15 | Extension of approval of AICTE to Raghavendra Institute of Pharmaceutical Education & Research Saigram Chiyyendu Post Kandakuru Kadiri road, Ananthapur-515721, for the academic year 2012-13 | 04.06.2014 | D.Pharmacy B. Pharmacy M.Pharmacy - (P.A & Q.A) P'cology&P'ceutics |

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EDUCATION EXPO TV (EET CRS) – FACULTY BRANDING AWARDS 2014

| S. No | Subject |
|-------|--|
| 01 | BEST DIRECTOR / PRINCIPAL Dr. Y. Padmanabha Reddy Principal, Raghavendra Institute of Pharmaceutical Education & Research, Andhra Pradesh |
| 02 | AWARD FOR INTELLECTUAL CAPITAL Raghavendra Institute of Pharmaceutical Education & Research, Andhra Pradesh |

**EDUCATION EXCELLENCE AWARD 2013 – ONE PLANET RESEARCH
(Indo – Italian Research Center)**

| S. No | Subject |
|-------|--|
| 01 | BEST PRIVATE PHARMACEUTICAL INSTITUTE IN ANDHRA PRADESH Raghavendra Institute of Pharmaceutical Education & Research, RIPER |

MERITS OF THE INSTITUTION

- Raghavendra Institute of Pharmaceutical Education and Research, well known as RIPER, is the premier and renowned Pharmacy institute promoted by Raghavendra Educational and Rural Development Society (RERDS) and was established by a team of Pharmacy professionals.
- The Institute is functioning in its own building and located in 12 acres Pollution and Noise free green campus.
- The institute is exclusively dedicated to Pharmacy education offering Diploma, Graduate, Post graduate and Doctor of Pharmacy and full time Doctor of Philosophy (PhD) in Pharmaceutical Sciences programmes, as per norms of All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI), New Delhi and State board of technical education and training (SBTET), Govt. of Andhra Pradesh.
- The institution is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA), Ananthapuramu, Andhra Pradesh.
- The University Grants Commission (UGC - Ministry of Human Resource Development, Govt of India) conferred fresh autonomous status to Raghavendra Institute of Pharmaceutical Education and Research (RIPER) under the UGC scheme for autonomous colleges for a period of six years w.e.f 2016 - 2017 to 2021 - 2022.
- The institute was recognized by University Grants Commission (UGC) as College under section 2 (f) & 12 (B) of the UGC Act 1956.
- The Under Graduate programme B. Pharmacy in the institute is provisionally accredited by National Board of Accreditation (NBA) under Tier II.
- First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences during the year of 2014.
- Raghavendra Institute of Pharmaceutical Education & Research (RIPER), comprises of a dynamic team of teaching faculties ratified by the Jawaharlal Nehru Technological University Anantapur (JNTUA), Ananthapuramu, Andhra Pradesh., India and six university recognized guides / supervisor for full time Ph.D
- The very first pharmacy institute in the state, to get empanelled for Knowledge partnership with National Health Systems Resource Centre (NHSRC) in Healthcare

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Technology - Technical Support Institution with National Rural Health Mission, Ministry of Health and Family Welfare Government of India.

- The Institute RIPER bagged Faculty Branding Awards 2014 in Education Expo Tv (Eet Crs) as AWARD FOR INTELLECTUAL CAPITAL.
- The Head of Institute - Principal, RIPER bagged Faculty Branding Awards 2014 in Education Expo Tv (Eet Crs) as BEST DIRECTOR / PRINCIPAL
- Raghavendra Institute of Pharmaceutical Education and Research - RIPER received the Best Private Pharmaceutical Institute in Andhra Pradesh - Education Excellence Award 2013 - One Planet Research (Indo - Italian Research Center).
- Separate class Rooms, Tutorial Rooms and Laboratories are available for all courses at all levels (from Diploma to Ph.D).
- Separate Library for UG and PG Programme with e-Library facility.
- Wi-Fi internet facilities for all students and staff.
- Faculty cadre ratio as per Norms of AICTE and PCI, New Delhi, Govt. of India.
- Students Teacher Ratio (STR) as per Norms of affiliating university, AICTE and PCI, New Delhi, Govt. of India.
- Staffs of the institute are ratified to the affiliating university - JNTUA (Jawaharlal Nehru Technological University Anantapur) Anantapuramu, Andhra Pradesh.
- Intensive coaching for GPAT and Guidance for other Competitive examinations.
- Frequent Guest lectures / Workshops / Seminars from Eminent Resource persons from Industry / academia.
- Research Exposure to all students with our well equipped Research Laboratories and Interaction with Full time - Ph. D scholars / M. Pharm Students / Professors.
- Centre for Pharmaceutical Research (CPR) equipped with more than `1 Crore worth of instruments to execute and monitor various Funded R&D projects and Consultancy Works.
- Placement cell and Training Cell, Academic Cell, Grievance cell attached with Anti ragging Committee, and Mentor System are available to shape the students future.
- Separate Scholarship section / student affair / Examination section in administration Set-up.

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- Poison and Drug Information Centre / First aid facility for Public and Health Professionals.
- CPCSEA approved Animal House for Preclinical Studies.
- Medicinal garden with wide varieties for Phyto-medicine.
- Approved two NSS units (attached to JNT University Anantapur) for Social and extracurricular Activities.
- Museum is available one separate room with wide collection including specimens of biology and zoology, anatomy, Chemistry, plants charts, Pathology charts, Nutrition charts.
- Head quarters for Andhra Pradesh International Society for Pharmacoeconomics and Outcome Research (ISPOR).
- Head quarters for Andhra Pradesh International Society for Pharmacoeconomics and Outcome Research (ISPOR) Student Chapter.
- Head quarters for Indian Pharmaceutical Association (IPA) Ananthapuramu Branch.
- Students of RIPER stood tall in attaining meritorious achievements by securing university ranks every year.
- Students of RIPER every year achieve good ranking in NIPER and other entry level examinations.
- The level of freedom enjoyed by both faculties and students offered by the administration of RIPER is immense.
- The interaction of students with faculties on Advanced academic learning and teaching process was made successful by establishing Student Mentorship Programme (SMP).
- Institute encompasses of a GPAT coaching cell for students.
- All the faculties are registered with the state pharmacy council as pharmacists.
- All faculties have professional life members of Indian Pharmaceutical Association (IPA).
- Faculties of RIPER are members of (APTI) Association for Pharmacy Teachers India.
- Faculties of RIPER are members of International Society for Pharmacoeconomics and Outcomes Research (ISPOR)
- All the faculties of RIPER are members of International Society for Pharmacoeconomics and Outcomes Research (ISPOR) - India, Andhra Pradesh Chapter.

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- Raghavendra Institute of Pharmaceutical Education and Research – RIPER in association with IPA, ISPOR, ISPOR – AP Chapter, ISPOR – Student Chapter, RDT Hospitals and many other organizations have conducted several conferences on Pharmaceutical Sciences and Research and Healthcare.
- The faculties and students of RIPER volunteered national and international conferences of (FIP) International Pharmaceutical Federation as members.
- The administration of RIPER gives good platform of basics and research education and practice in pharmaceutical sciences and research by conducting various scientific sessions by inviting many legendary and expertise visiting faculties and guest faculties.

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1. Does the institution have clearly stated goals and objectives for its educational program?

YES, The institution has clearly stated goals and objectives which are reflected in its Quality policy, Mission, Vision, Short term goals, and Long term goals. This have been established by defining the Programme Outcomes, Programme Educational Objectives and Course Outcomes by making a clear correlations with each other required for bridging evidence based learning and teaching process resulting in globalized standards of pharmacy education and research.

| | |
|------------------|--|
| QUALITY POLICY | Dedicated to impart quality pharmacy education and training leading to “Degree in Pharmacy” and aims at being a global education and research institution through continual improvement and effectiveness of the quality system. |
| SHORT TERM GOALS | <ul style="list-style-type: none">▪ Begin campaign plans on developing RIPER as renowned institute in the state for quality pharmaceutical education.▪ Enhance and upgrade laboratory environment with the appropriate industry recommended technology.▪ Establish various units to encourage education with industry orientation and research developmental activity.▪ Pursue opportunities for students by establishing various units like placement, training, industrial interaction and research cell. |
| LONG TERM GOALS | <ul style="list-style-type: none">▪ Develop RIPER as centre of excellence for pharmacy in the country.▪ Pursue industry, research institution collaboration across the globe with adequate contribution to down trodden community.▪ Enhance to pursue research grants and number of intellectual property in pharmaceutical and socioeconomic health Research. |

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| | |
|---------|---|
| VISION | To create professionally competent and socially sensitive pharmacists, capable of working in multifaceted environment with newer evolving technology |
| MISSION | To enable our students to develop into outstanding professionals and aware of the immense responsibilities to make the world better in the field of pharmacy. |

1.1.2 How are the institutional goals and objectives reflected in the academic programs of the institution?

The vision and Mission statements are defined by a collaborative process. it is a shared vision defined and started with four pharmacy professionals, who are founders of this institution. The shared vision effort started with personal vision, because it makes institution becomes a tool for people's self-realization, rather than a machine they are subjected to in the following:

- Treated all the stakeholders as equal.
- Involved every department in the institution. Avoided 'Sampling'
- Encouraged Independence and diversity
- Sought alignment, not agreement.
- Considered some people speaks only for themselves
- Expected and nurture reverence for each other
- Considered using an 'Interim Vision' to build momentum

Vision and Missions are published and disseminated in the following:

- Website
- Brochure
- Display board in the campus
- Record note books

The institution concentrates on certain important criterias which it believes as an imperative standard which reflects the quality of programme outcomes and education standards in turn the institutional goals and they are:

- Students admission quality.
- Teaching & Learning Process.
- Faculty and their research activities, other facilities .
- Data collected on prospect/ potential of identified Industries / CRO / higher educational institutions.
- Action Taken Reports on Minutes of the Meeting.

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1.1.3 Does the institution follow a systemic process in the design, development and revision of the curriculum? If yes, give details of the process (need, feedback, etc.).

Raghavendra Institute of Pharmaceutical Education and Research – RIPER, has a strategical approach towards curriculum designing, development and its revision. Being an affiliating institute to Jawaharlal Nehru Technological University Anantapur (JNTUA), RIPER takes active participations in meeting/workshop of curriculum development organized by the affiliating university, and the faculty members of the institute (RIPER) makes an immense and effective contribution in developing academic plans and academic calendar for the coming academic session. RIPER has subject experts and resource persons who have conducted workshop on framework of syllabus for pharmacy programmes at all degree levels by inviting lead personalities in pharmacy education and research, the suggestions during panel discussion was documented as Minutes of meetings. The finalized modifications (any additions / deletions / references) of syllabus is acknowledged and forwarded to Board of Studies (BOS) of the affiliating university and after its approval the final syllabus is issued by the syndicate authority to all the pharmacy institutes affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA).

1.1.4 How does the curriculum design and development meet the following requirements?

Community needs

National Service Scheme, under the Ministry of Youth Affairs & Sports Govt. of India, popularly known as NSS was launched in Gandhiji's Birth Centenary Year 1969, in 37 Universities involving 40,000 students with primary focus on the development of personality of students through community service.

Raghavendra Institute of Pharmaceutical Education and Research comprises of two approved NSS units NSS I (2010-2011) & NSS II (2011-2012), approved and affiliated to JNTUA, the overall objective of the scheme is youth for rural development educational and service to the community is the activity through which the objective is sought to be achieved. It is a student-centered program in which projects are implemented by the NSS volunteers in the community in close collaboration with the community and thereby it provides vast scope for the student's interaction with the people.

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Regular activities through NSS-RIPER

- i) Orientation of NSS Volunteers: To get the NSS volunteers acquainted with the basics of NSS programs, allocated for their orientation through lectures, discussions & field visits.
- ii) Campus work: The NSS volunteers may be involved in the projects undertaken for the benefit of the institution and students concerned. Such projects cover development of health care, tree plantation in the premises, awareness programs on smoking cessation, AIDS, blood donation camp, health exhibition, TB, National youth day, Women's day, Hb& Blood test, Mega Medical camp, The NSS volunteers may work on campus projects for not exceeding 30 hours in a year;

Special programs through NSS-RIPER

The overall objective of this scheme is Education and Service to the community and by the community. Its student's Programme where we cater to the need of the community, as and when required, it will also help the students to communicate with the society. The students go to the rural areas and try to develop a Technocratic Environment and help the underprivileged people to develop themselves. NSS volunteers undertake various activities in adopted villages. Duration of these services is 1 week per year/ unit.

Rural Projects

The rural projects generally include the working of NSS volunteers in adopted villages for eradication of illiteracy, agricultural operations, health, nutrition, hygiene, sanitation, care, family life education, construction of rural roads, campaign against social evils, Plastic free zone, Literacy & protection of crop, Usage of solar energy, Blood grouping at JNTU, Maintenance of village Street and drainage, Alcohol and tobacco awareness Programme.

Professionals skills and competencies

The professional skills and competencies is being well established in students community by following:

- Student Mentorship Programme – which exists in institute.
- GPAT / NIPER Coaching classes
- Advanced communication skill laboratory
- Good manufacturing practice
- Regulatory affairs

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- Intellectual property rights
- Recent trends in Pharmaceutical sciences
- Recent trends in Product development, stability and clinical studies
- Encouraging students participation in conferences/seminars/symposiums/workshops along with presentations of research studies.
- Peer evaluation of project work.
- Guest lectures by resource persons of academics, industries, KPO and healthcare.
- Journal club presentations.
- Drug club presentations.
- Preceptorship in Pharm. D students.
- Making students skilled in drug information and poison information services.
- Interpretation of laboratory investigations.
- Training programmes
- Hospital visits and Industrial visits.

Research in thrust/emerging areas

Pharmacy programmes syllabus in all degree levels (B. Pharmacy, M. Pharmacy, Pharm. D) comprises of project work for which students are given proper and appreciable guidance by faculty members of institute as guides making the students to know about basics of project and research work and creating a platform as a researcher and directing the students to publish the research work in venerated and reputed journals. The institute is approved as centre for pharmaceutical research by the affiliating institute, and is having MoU with Spain based secondary care referral hospital - RDT Hospitals Bathalapalli through which clinical projects can be carried by students of Pharm. D programme in their fifth year of education. The M. Pharmacy students have sophisticated instrumentation laboratories with equipments of 1 crore by utilizing which students will be abreast of others.

Employability

Students of Raghavendra Institute of Pharmaceutical Education and Research always stood tall regarding placements, which is one of merits of institute with good alumni association governed by the faculties of college. Students in the institute are regularly updated and intimated about the current and future perspective and scenario of evolving placements in pharmaceutical industries, R&D, healthcare organizations, KPO's and abroad opportunities.

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The students are given pre- placement guidance, exposure to job fares, and the placement cell takes interest in off campus placements also.

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for developing and / or restructuring curriculum? Has the institution been instrumental in leading any curricular reform which has created a national impact?

The institution follows the necessary guidelines of all the regulatory bodies. Members of the faculties have been instrumental in designing and framing the curriculum. In order to bring a structured curriculum to satisfy the program outcome of pharmacy education the institute yearly conducts curriculum framework programmes as directed by the affiliating university, by bringing the experts of academics, industry and healthcare settings and defines the programme outcomes and programme educational objectives and suggests required modifications.

The copy of the same will be sent to JNTUA (affiliating university), Statutory Regulatory Bodies of All India Council for Technical Education (AICTE) and Pharmacy Council of India(PCI).

1.1.6 Does the institution interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the institution benefitted interactions with stake holders?

The institution as a well structured communications with all stake holders, with whom meetin will be made annually regarding the curriculum and education developments to be materialised and acknowledges an action plan. The key point discussion with stakeholders of the institute regarding the curriculum revision process will be the following:

STUDENTS -

- Selection of Institutions and educational programmes of higher standards
- Admission in reputed educational institutions for higher studies.
- Priority in placements, global mobility, eligibility in student exchange program, Scholarships

FACULTY -

- Career growth in an inspirational environment with academic freedom.
- Research collaboration, research grants, recognition in profession, professional satisfaction.

PARENTS -

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- Assurance of quality education to their wards.
- Career betterment across the global and standard organization

ALUMNI -

- Career with professional accomplishment.
- Continuing education and growth, research support

INDUSTRIES AND EMPLOYERS -

- Recruitment of well-qualified, competent and role ready graduates
- Improved Industry - institute interaction, research collaboration, knowledge outsourcing

INSTITUTIONS -

- Continuous improvement towards Excellence and building a brand name
- Research collaboration in and outside the country, MOU with standard organization.

GOVERNMENT/REGULATOR -

- Quality improvement in the education
- Availability of skilled manpower.

The following process documents were adapted in establishing and refining curriculum, that are based on the needs of the programme's various stakeholders are:

- Collect and review documents that describe programmes
- Collect and review instructional materials
- List the achievements of graduates in their field.
- Alumni achievements such as career accomplishments, social activities, aesthetic and intellectual involvement.
- Committee meeting and its minutes on PEOs. The committee was consisted of Head of the Department, Programme coordinator, Senior Faculty members, and representatives from students, parents, Alumni, employers and members from professional bodies like AICTE, PCI, APTI, Pharmacy Student forum.

1.1.7. How are the global trends in health science education reflected in the curriculum?

The learning and teaching process of pharmacy programme in institute an all degree levels is evidence based learning, The programme specific criteria as per American Council for Pharmacy Education is prescribed for clinical Pharmacy (Pharm. D), but not for Bachelor in Pharmaceutical sciences designed for industry and Research. However, our curriculum satisfies

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the program specific criteria of various international universities as outlined below, Our syllabus contents are Basic and applied Physical, organic and inorganic chemistry, Medicinal chemistry, Pharmacology and toxicology, Biotechnology, Clinical and Hospital Pharmacy, Ethics and law Humanities and Computing. Pharmaceutical Sciences Bachelor (Swiss Federal Institute of Technology (Zurich) Science and Medicine with each drug is associated an extensive body of knowledge about chemical, physical and biological properties of its active ingredients and excipients, the technology of its production and its fate and action in the human body.

Credits ECTS: 180

Structure:

In the first two years, the course focuses on the fundamentals of science. In addition to theoretical knowledge, the practical skills for experimental work in the laboratory are also acquired. Students are also introduced to research and practical work. The third year is dedicated to subjects specifically related to the pharmaceutical sciences, supplemented by practicals on medicines which have an interdisciplinary orientation. The programme also includes at least three-week internship in a pharmacy and a first-aid course.

- General basic courses: Mathematics, Chemistry, Biology, Physics, Anatomy and Physiology
- Practical's in Chemistry and Biology
- Pharmaceutical subjects and practicals: Pharmaceutical Analysis, Medicinal Chemistry and Microbiology, Toxicology, Immunology, etc.

Specific criteria for University of Rhode Island - B.S.P.S. Core Requirements

B.S.P.S. Core requirements consist of 41 credits of new and existing BPS courses that will provide students with a fundamental understanding of the pharmaceutical sciences. The existing BPS courses include: BPS 321, Principles of Pharmacology; BPS 313, Introduction to Medicinal Chemistry; BPS 301/303/305, Dosage Forms I/II/III; BPS 311, Foundations of Human Disease I: Immuno-inflammatory Disease; BPS 445, Natural Products/Biotechnological Drugs; BPS 325, Drug Metabolism and Pharmaceutical Analysis; BPS 403, Pharmacokinetics; BPS 425, GMP's in the Manufacture of Pharmaceutical Products; and PHP 580, Pharmacoeconomic Analysis. In addition, BPS 587, General Pharmacology, will be required. The remaining core requirements include two new laboratory courses: BPS 443, Manufacturing and Formulation Laboratory; and BPS 451, Techniques in Medicinal Chemistry and Molecular Biology. Two additional courses will be required: BPS 442, Pharmacogenomics;

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and BPS 503, Pharmacokinetics. BPS 405, Physical Pharmacy, will be a core requirement for those students specializing in Pharmaceutics but not for other B.S.P.S. students.

1.1.8 Give the details of how the institution facilitates the introduction of new programmes of studies in its affiliated college?

Not Applicable

1.1.9 Does the institution provide additional skill - oriented programs relevant to regional needs?

The following additional programmes are offered in the institution:

- Language Classes
- Personality development, communication skills
- Yoga classes
- Guidance on Presentation skills

1.1.10 Explain the initiatives of the institution in the following areas:

Behavioural and Social Sciences -

- NSS Units - the overall objective of the scheme is youth for rural development educational and service to the community is the activity through which the objective is sought to be achieved. It is a student-centered program in which projects are implemented by the NSS volunteers in the community in close collaboration with the community and thereby it provides vast scope for the student's interaction with the people.
- Ethics, social and family values are emphasised and conveyed through guest lectures.
- Discipline Committee - Responding, verifying and design of action plan to rectify the issues.
- Coordination of discipline in campus.
- Anti-Ragging Committee - Review of complaints / Vigilance / Action Plan as per Act.
- Annual athletic and sports meetings are organized.

Medical Ethics / Bio Ethics / Nursing Ethics -

- For all the projects involving patients, the clearance is obtained from Ethical committee involving Hospital staff.

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- For all animal experiments, animal ethical committee clearance is obtained and CPCSEA guidelines are followed including constitution of demonstration monitoring committee as per University Grant Commission (UGC) guide lines.

Practice Management towards curriculum and / or services -

Faculties of the institute are keener enough in designing the academic planner following the academic calendar as per affiliating university norms, for the completion of syllabus in time. Through academic planner the approach of satisfying the course outcome of each subject are achieved, by which effective time management is practised.

Orientation to Research -

The R & D cell of the institute makes a tremendous contribution on research activities of student community by making a MoU with following companies for B. Pharmacy / M. Pharmacy students:

- Walksman Selman Pharmaceutical Pvt. Ltd
- Rexer Pharma Pvt Ltd
- Amix Pharma
- Pellets Pharma Ltd
- Trimurthy formulation Pvt Ltd
- RA Chem Pharma Ltd

For Pharm. D and M. Pharmacy -Pharmacy practice students:

- Rural Development Trust Hospitals, Bathalapalli, Anantapuramu, Andhra Pradesh.
- Fortis Hospitals, Fortis Healthcare Limited, Mulund Branch, Mumbai.
- Fortis Hospitals, Fortis Healthcare Limited, Bangalore.

For all students of institute ROPER was the first pharmacy institute in India to get empanelled with National Health Systems Resource Centre (NHSRC) for Knowledge Partnership in Healthcare Technologies.

Rehabilitation -

NO

Ancient Scriptural practices -

NO

Health-economics -

YES

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International Society for Pharmacoeconomics and Outcome Research (ISPOR) -

Founded in 1995, ISPOR is a non-profit 501(c) (3) public organization for educational and scientific purposes, as defined by the US IRS, and a non-profit research organization under the European Commission 7th Framework Programme. The International Society for Pharmacoeconomics and Outcomes Research (ISPOR) promotes the science of pharmacoeconomics (health economics) and outcomes research (the scientific discipline that evaluates the effect of health care interventions on patient well-being including clinical, economic, and patient-centred outcomes) and facilitates the translation of this research into useful information for health care decision makers to increase the efficiency, effectiveness, and fairness of health care to improve health. ISPOR has over 7300 members from 105 countries. In addition, the 69 ISPOR Regional Chapters have more than 6000 members, extending ISPOR's outreach to over 13,300 members worldwide.

ISPOR – INDIA, Andhra Pradesh Chapter -

With the main objective of promoting the science of pharmacoeconomics (health economics) and outcomes research (the scientific discipline that evaluates the effect of health care interventions on patient well-being including clinical, economic, and patient-centred outcomes) and facilitates the translation of this research into useful information for health care decision makers to increase the efficiency, effectiveness, and fairness of health care to improve health, ISPOR – AP Regional Chapter was established on 14 June 2012, under leadership of Dr. Y. Padmanabha Reddy, (President: ISPOR – India Andhra Pradesh Chapter) and Dr. Mohanraj Rathinavelu (Secretary and Treasurer).

ISPOR – RIPER Student Chapter -

ISPOR RIPER Student Chapter was established with core objective to bridge and bring the student fellows together to learn, share, practice and explore the healthcare system and research with globalized standards, under guidance of Dr. Mohanraj Rathinavelu, (Faculty Advisor - ISPOR – RIPER Student Chapter).

Medico legal Issues -

NO

Enhancement of quality of services and consumer satisfaction -

All courses under various degree programme would have their own course outcomes or also commonly known as CO. These Cos are produced based on the requirement of the programme

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outcomes (PO). Each CO will be mapped to PO (the CO-PO) matrix. The PO will be then mapped to the programme educational objectives (PEO). Once the outcomes for a course have been identified, the delivery and assessment methods need to be designed in such a way to achieve the stated outcome. The delivery is important to ensure the student able to acquire the knowledge or skill required. Assessment is also important to assess whether the student or learner has attained what is expected out of them. The result from these will be used for continuous quality improvement. Suitable assessment method needs to be chosen, depending on the expected course outcome and the delivery method. In order to acquire the correct feedback, suitable assessment method is required. The type of assessment methods would also be dependent upon the expected course outcome and the delivery method.

In general, assessment method is a huge topic by itself and can be divided into two major groups

1. Formative assessment
2. Summative assessment.

Formative assessment is said to be part of the delivery or instructional process, where it is used to gather information and adjust the teaching and learning in 'real-time'.

Summative assessment is more common approach, where the students are given a standardized test or examination at a certain period of time, such as mid-semester test or final exam, which is also known as formal assessment. This type of assessment is used to test what the student knows at that particular point of time and whether he or she has met the course goal or the learning outcome. At present, the common method used in assessing the student in the department includes Final exam (which is normally the highest percentage), Mid semester test.

Various Assessment tools in attainment of COs and POs

ASSESSMENT TOOLS

Assessment tools are categorized into direct and indirect methods to assess the programme educational objectives, programme outcomes and course outcomes.

DIRECT METHODS - display the student's knowledge and skills from their performance in the Continuous assessment tests, End-semester examinations and presentations, Classroom Assignments, Viva, Seminars, Projects. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

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INDIRECT METHODS - such as surveys and interviews ask the stakeholders to reflect on student's learning. They assess opinions or thoughts about the graduate's knowledge or skills. Indirect measures can provide information about graduate's perception of their learning and how this learning is valued by different stakeholders.

- Alumni Survey Indirect Assessment Tool
- Employer Survey Indirect Assessment Tool
- Student / Graduate Exit Survey Indirect Assessment Tool
- Course Exit Survey Indirect Assessment Tool
- Peer Project Evaluation Direct Assessment Tool
- Course Evaluation Direct Assessment Tool
- Parents Satisfaction Survey Indirect Assessment Tool

1.1.11 How does the institution ensure that evidence based medicine and clinical practice guidelines are adopted to guide patient care wherever possible?

The Division of pharmacy practice, adopts a systemic approach in teaching Pharm. D and M. Pharmacy (Pharmacy Practice) students where teaching of all the courses in programme is followed as per guidelines of American College of Pharmaceutical Education (ACPE), American Society of Health-System Pharmacists (ASHP), and the American College of Clinical Pharmacy (ACCP) and International Society for Pharmacoeconomics and Outcomes Research (ISPOR) and International Society of Pharmacoepidemiology (ISPE) for delivering a optimum best patient care. Faculty Members of the department continue a tradition of outstanding service through the following activities:

- Educating and training students of Doctor of Pharmacy (PharmD) program, and practicing pharmacists, to become nationally and / or internationally recognized for their leadership, knowledge and competence in practice, research, and / or teaching roles.
- Pioneering pharmacy services across the diverse patient populations.
- Disseminating innovative scientific knowledge and practice about the effective, safe, and economical use of medications with the goal of improving rationality use of medications.
- Generating and imparting novel educational methods for educating pharmacist leaders of the future.

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- Advocating professional roles for pharmacists on local, state, national and international levels.
- Collaborating with other professional bodies in teaching, service and research activities and sharing our expertise to facilitate advancement of global pharmacy education, practice and research.

PROGRAM OUTCOMES OF PHARMACY PRACTICE PROGRAMME IN RIPER

PO 01: Graduates will demonstrate knowledge of Pharmaceutical sciences

PO 02: Graduates will demonstrate an ability to identify, formulate and resolve difficulties in pharmaceutical industry, community and hospital Pharmacy.

PO 03: Graduates will conduct analyze and interpret data of experiments in production, analytical and clinical aspects.

PO 04: Graduates will enter into the practice of pharmacy to serve society as ethical and caring professionals.

PO 05: Graduates will apply knowledge of drugs and drug therapy to resolve problems and make decisions on behalf of their patients for better patient care.

PO 06: Graduates will educate, communicate, and collaborate with patients and health care professionals.

PO 07: Graduates will assume a leadership role in the future direction of the profession and practicing with international standards.

PO 08: Graduates will demonstrate knowledge of professional and ethical responsibilities liable to the profession and society.

PO 09: Graduate will understand and implement the professional knowledge in research team and or alone in multidisciplinary tasks.

PO 10: Graduates will develop professional practice as a lifelong learning experience.

Program Educational Objectives (PEO's)



General Educational Objective (GEO)

Program Specific Objective (PSO)

GEO's

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GEO 01: Communication Skills - The student shall read, write, speak, listen and use multimedia to communicate effectively. The student shall counsel and educate patients, as well as communicate with other health care professionals.

GEO 02: Critical Thinking - The student shall acquire, comprehend, apply, analyze, synthesize, and evaluate information. The student shall integrate these abilities to identify, resolve, and prevent problems and make appropriate decisions. The student shall understand the research process.

GEO 03: Professional ethics and Responsibility - The student shall represent the profession in an ethical manner. The student shall identify, analyze and resolve ethical problems.

GEO 04: Social Interaction, Citizenship, Leadership, and Professionalism - The student shall demonstrate appropriate interpersonal behaviors. The student shall provide service to the profession, as well as the community. The student shall be proactive in collaborating with other health care professionals.

GEO 05: Life-long Learning - The student shall continuously strive to expand his or her knowledge to maintain professional competence.

GEO 06: Information Management - The student shall apply technology to pharmacy practice and science. The student shall demonstrate the ability to interpret and evaluate data for the purpose of assessing the suitability, accuracy, and reliability of information from reference sources.

Program Specific Objective (PSO's)

PSO O1: Patient Assessment - The graduate shall contribute to the database of information about the patient by: a) performing a medication history, review of systems and physical assessment; b) recommending and interpreting laboratory tests; c) assessing medical, psychosocial, behavioral, and economic status; and d) identifying potential drug-related problems.

PSO 02: Pharmaceutical Care Plan Development: The graduate shall develop pharmaceutical care plans that maximize the patients' response to drug therapy and prevent or resolve a drug-related problem(s) in order to ensure positive outcome(s). The student shall appropriately document the implementation of and outcomes related to the care plan.

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- The pharmaceutical care plan shall include medical devices, as needed, and educational information (e.g., nutrition, lifestyle, etc.) intended to promote general health and prevent or minimize disease progression.
- The pharmaceutical care plan shall include subjective and objective patient information, an assessment of that information, and a plan to resolve and monitor any drug-related problems that were identified.

PSO 02: Drug Therapy Evaluation - The graduate shall assess and monitor the patient's drug therapy, including a consideration of the chemical, pharmaceutical, pharmacokinetic, and pharmacological characteristics of the administered medications.

PSO 03: Pharmacotherapy Decision Making: The graduate shall make pharmacotherapy decisions and support those decisions based on knowledge of biomedical, pharmaceutical, administrative, and clinical sciences.

PSO 04: Medication Preparation, Distribution, and Administration - The graduate shall compound and/or dispense drug products consistent with patient needs and in harmony with the law. The graduate shall demonstrate the ability to accurately interpret the prescription, select the appropriate dosage form, route and method of administration, and appropriately package and label the product. The graduate shall demonstrate the ability to administer medications, when appropriate.

PSO 05: Systems Management - The graduate shall use and evaluate acquisition, inventory control and distribution systems, while documenting and maintaining quality. The graduate shall plan, organize, direct and control pharmaceutical care systems and human, material, and financial resources, utilizing management theories and information technology.

1.1.12 What are the newly introduced value added programme and how are they related to the internship programs?

The institute offers certain programmes to student's community as workshops for the interdisciplinary professional and personality development in academics, research and placements.

Advanced language communication laboratory.

Students Peer Evaluation which is a tool for student's to evaluate his/her own success. It has more advantages:

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- Peer assessment develops a wide range of skills that can be later transferred to future employment.
- Peer assessment gives students a sense of belonging to the assessment process and fosters their motivation.
- Peer assessment encourages a sense of ownership of the process in a sense that students feel they are a part of the evaluation process.
- Peer assessment improves learning.
- Peer assessment helps students identify their weak and strong points.
- Peer assessment encourages students to analyze each other's work.
- Peer assessment improves self-assessment capabilities.
- Peer assessment encourages deep, meaningful learning.
- Peer assessment improves learning.

Student Mentorship Programme (SMP)

The Student Mentoring Program (SMP) has been defined as the process by which a teacher being a dynamic academician, with outstanding performance and achievements, guides the development of an entry level student. In Pharmacy education, mentoring programs for students provide the opportunity to share pertinent and valuable resources, assistance and support, and cross-disciplinary collaboration and discussion.

Advanced Clinical Pharmacy Training Module - A certified programme of the institute made in collaboration with FORTIS Hospitals, FORTIS Healthcare Limited, Mumbai and Bangalore branches especially for pharmacy practice students.

Training modules on handling of equipments and instrumentations

Students centred activities by establishing Student Chapters of (ISPOR) International Society for Pharmacoeconomics and Outcomes Research and Royal Society of Chemistry London- Deccan Section (RSC - London).

1.1.13 How does the institution contribute to the development of integrated learning methods and integrated healthcare management?

The institution comprises of a well structured method for evaluating integrated learning methods and integrated healthcare management: All pharmacy programme would have their own course outcomes or also commonly known as CO. These Cos are produced based on the requirement of the programme outcomes (PO). Each CO will be mapped to PO (the CO-PO)

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matrix. The PO will be then mapped to the programme educational objectives (PEO). Once the outcomes for a course have been identified, the delivery and assessment methods need to be designed in such a way to achieve the stated outcome. The delivery is important to ensure the student able to acquire the knowledge or skill required. Assessment is also important to assess whether the student or learner has attained what is expected out of them. The result from these will be used for continuous quality improvement. Suitable assessment method needs to be chosen, depending on the expected course outcome and the delivery method. In order to acquire the correct feedback, suitable assessment method is required.

Mapping of PO (Programme Outcome) and PEO (Programme Educational Objectives)

| Program outcomes (i to xii) | PEO1 | PEO2 | PEO3 | PEO4 |
|---|------|------|------|------|
| i) Graduates will demonstrate knowledge of Pharmaceutical science and Life Sciences | | | | |
| ii) Graduates will demonstrate an ability to identify, formulate and solve difficulties in Pharmaceutical Industry, Community and Hospital Pharmacy | | | | |
| (iii) Graduates will conduct analyze and interpret data of experiments in production, Analytical and clinical aspects | | | | |
| iv) Graduates will demonstrate an ability to design process, formulation and biological screening as per needs and specifications. | | | | |
| v) Graduates will demonstrate an ability to adapt technical knowledge to visualize and work on laboratory and multidisciplinary tasks. | | | | |
| vi) Graduate will demonstrate skills to use modern Pharmaceutical tools, software and equipment to analyze and solve problems. | | | | |
| vii) Graduates will demonstrate knowledge of professional and ethical responsibilities liable to the profession and society | | | | |
| viii) Graduate will understands and implement the professional knowledge in research team and or alone in multidisciplinary tasks | | | | |
| ix) Graduate will be able to communicate effectively and sustain in different environments and culture. | | | | |
| x) Graduate will show the understanding of impact of Pharmaceutical sciences on the society and also will be aware of modern issues. | | | | |
| xi) Graduate will develop confidence for self education and ability for life-long learning. | | | | |
| xii) Graduates will demonstrate knowledge in management skills and leadership qualities. | | | | |

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Programme Educational Objectives -

PEO 1: Graduate of the program will have successful technical or professional careers in pharmaceutical industry and/ or institute and /or Health care system

PEO 2: Graduate of the program will continue to learn and adapt in a globe of constantly developing trends

PEO 3: Graduate of the program will have foundation in science, formulation technology, synthetic knowledge, Discovery tools as per the requirement of Pharmaceutical sectors.

PEO 4: Students will possess professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate Pharmaceutical Sciences issues to broader social context.

Table. 11 Administrative system helps in attainment of Educational Objectives

| ASSESSMENT TOOL | FREQUENCY | STAKEHOLDER | RESPONSIBLE PERSON | Committee |
|---------------------|---------------|---------------------------------------|----------------------------|-----------------------------------|
| Alumni Survey | Every year | Alumni (2 years after the graduation) | Alumni Cell coordinator | Alumni association |
| Employer Survey | Every year | Employer | Placement cell coordinator | Placement and training |
| Student Exit survey | Every year | students | Program coordinator | College Academic Committee |
| Course Exit Survey | End of Course | Students | Program coordinator | College Academic Committee |
| Project Evaluation | Every year | Faculty | College Academic committee | College Academic Committee |
| Course Evaluation | Every year | Faculty | Program coordinator | College Academic Committee |
| Parents survey | Every year | Parents | Public relation officer | Establishment and Public relation |

The type of assessment methods would also be dependent upon the expected educational objectives and programme outcome and the delivery method.

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| ASSESSMENT TOOLS | Frequency | DIRECT/ INDIRECT | DESCRIPTION |
|--------------------------------|---------------|---------------------|---|
| Alumni survey | Every year | Indirect | Collection of a wide variety of information about program satisfaction, how well students are prepared for their careers, what types of jobs or graduate degrees majors have gone on to obtain, and the skills that are needed to succeed in the job market or in graduate study, 3 years after the graduation. Provide the information opportunity to collect data on which areas of the program should be Changed, altered, improved or expanded. |
| Employer Survey | Every year | Indirect | Provide information about the curriculum, programs and course outcomes, on-the-job field specific information about the application and Value of the skills that the program offers. It helps to determine if their graduates have the necessary job skills and if there are other skills Those employers particularly value that graduates are not acquiring in the program. |
| Student / Graduate Exit survey | Every year | Indirect | To evaluate the success of the programme in providing students with opportunities to achieve the programme outcomes. |
| Course Exit Survey | End of Course | Indirect | To determine the quality of the course, the various outcomes, that this course tries to satisfy, and the level of achievement of these Outcomes. |
| Project Evaluation | Every year | Direct | This is a demonstration of the abilities of a student throughout the programme |
| Course Evaluation | Every year | Direct | It gives information about what and how students are learning within the classroom environment; using existing information that faculty routinely collects (test / end-semester exam performance, assignments etc.) Methods of assessing student learning within the Class room environment. |
| Parents satisfaction survey | Every year | Direct | |

1.1.14 How is compatibility of programs with goals and objectives achieves with particular reference to priority of interface between Public health, Medical practice and Medical education?

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The compatibility of programs with goals and objectives is achieved by the institute through developing and following an extensive Quality Policy, fixture of Long term goals and Short goals, and defining all these through imparting mission and vision of the institute.

| | |
|------------------|---|
| QUALITY POLICY | Dedicated to impart quality pharmacy education and training leading to “Degree in Pharmacy” and aims at being a global education and research institution through continual improvement and effectiveness of the quality system. |
| SHORT TERM GOALS | <ul style="list-style-type: none"> ▪ Begin campaign plans on developing RIPER as renowned institute in the state for quality pharmaceutical education. ▪ Enhance and upgrade laboratory environment with the appropriate industry recommended technology. ▪ Establish various units to encourage education with industry orientation and research developmental activity. ▪ Pursue opportunities for students by establishing various units like placement, training, industrial interaction and research cell. |
| LONG TERM GOALS | <ul style="list-style-type: none"> ▪ Develop RIPER as centre of excellence for pharmacy in the country. ▪ Pursue industry, research institution collobration across the globe with adequate contribution to down trodden community. ▪ Enhance to pursue research grants and number of intellectual property in pharmaceutical and socioeconomic health Research. |
| VISION | To create professionally competent and socially sensitive pharmacists, capable of working in multifaceted environment with newer evolving technology |
| MISSION | To enable our students to develop into outstanding professionals and aware of the immense responsibilities to make the world better in the field of pharmacy. |

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1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following

Programmes offered

| S.No | Courses | Duration | Year of Approval by Univ. /UGC / AICTE (Give approval Ref. No & Date) [Annexure XI] | Sanctioned Annual Intake | Accredited by NBA |
|------|---|----------|--|--------------------------|-------------------|
| 01 | B. Pharmacy | 4 Years | AICTE: F.No. South - Central / 1-2454907332 / 2015 / EOA, Dated: 07.04.2015. INTUA: Proc.No.A2/Permanent Affiliation /RIPER-L8/2013/2014 Dated: 11.10.2013. | 100 | YES |
| 02 | Pharm. D | 6 Years | PCI: Ref.No:50-291/2013-PCI/14750-56,Dt.24.07.2014. INTUA: Proc.No.A2/Affi/RIPER-L8/2014-15 Dated.28.11.2014. | 30 | NA |
| 03 | Pharm. D (PB) | 3 Years | PCI: Ref.No:50-291/2013-PCI/14750-56,Dt.24.07.2014. INTUA: Proc.No.A2/Affi/RIPER-L8/2014-15 Dated.28.11.2014. | 10 | NA |
| 04 | M. Pharmacy Ph.Analysis & Quality Assurance | 2 Years | AICTE: F.No. South - Central / 1-2454907332 / 2015 / EOA, Dated: 07.04.2015. INTUA: Proc.No.A2/Affi/RIPER-L8/2014-15 Dated.28.11.2014. | 60 | NA |
| 05 | M. Pharmacy Pharmacology | 2 Years | AICTE: F.No. South - Central / 1-2454907332 / 2015 / EOA, Dated: 07.04.2015. INTUA: Proc.No.A2/Affi/RIPER-L8/2014-15 Dated.28.11.2014. | 18 | NA |
| 06 | M. Pharmacy Pharmaceutics | 2 Years | AICTE: F.No. South - Central / 1-2454907332 / 2015 / EOA, Dated: 07.04.2015. INTUA: Proc.No.A2/Affi/RIPER-L8/2014-15 Dated.28.11.2014. | 54 | NA |
| 07 | M. Pharmacy Pharmacy Practice | 2 Years | AICTE: F.No. South - Central / 1-2454907332 / 2015 / EOA, Dated:07.04.2015. INTUA: Proc.No.A2/Affi/RIPER-L8/2014-15 Dated.28.11.2014. | 24 | NA |

Overseas programmes offered on campus - Not Applicable

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1.2.2 Give details on the following provisions with reference to academic flexibility

A. Core options:

Core options available for B. Pharmacy students are to pursue Master of Pharmacy in Pharmaceutical Analysis and Quality Assurance, Pharmacology, Pharmaceutics, Pharmacy Practice or Pharm D (PB). Also they can undergo the mandatory 180 hours training in a pharmaceutical industry or in a hospital.

The M. Pharm Students have the option to choose an industry oriented project along with a project to be pursued on the campus. The M. Pharm Students can opt for Ph. D in the specialization of Pharmaceutical Sciences.

B. Elective options: Not Applicable

C. Bridge Course:

The 10+2 students who have not studied Mathematics / Biology/ Computer science are given additional coaching in the concerned subjects.

D. Enrichment programmes:

Certified Advanced Training Module in Clinical Pharmacy Practice offered to students of Pharm. D and M/ Pharmacy Practice, by the institute in collaboration with FORTIS HEALTHCARE LIMITED.

E. Credit accumulation and transfer facility: Not Applicable.

F. Courses offered in Modular form

Institute offers pharmacy programmes in all degree levels, in a structured way of preparing an academic planner for each academic year based on the academic calendar which is a innovative and modular approach in teaching and learning process through which an effective output of programme goal and objective is achieved.

G. Lateral and vertical mobility within and across programs, courses and disciplines and between higher education institutions - Not Applicable

H. Twinning programs - Not Applicable.

I. Dual Programme - Not Applicable, the institute offers pharmacy courses as per norms of affiliating university Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh., India.

1.2.3 Does the institution have an explicit policy and strategy for attracting students from other states, socially and financial backward classes, international students?

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YES.

- The institution offers the pharmacy programme to other state students through management quota and merit quota.
- Students are provided with excellent boarding and lodging facilities through hostels separate for boys and girls with all basic and luxurious amenities.
- Exclusive transport facilities are provided.
- Seats are reserved for socially and financially backward classes as per the Govt. norms. They are further guided to make use of the facilities provided by the government in terms of hostel, scholarship, books, stationery and so on.
- The institution administration has appointed a staff exclusively dedicated to students on all these matters (Students Wing) to favor and satisfy the needs of students.
- Director of Foreign Affairs (specially appointed) for admissions of international students, who looks after all the needs of students regarding their transport, stay, academics, visa processing etc.

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding the admission, fee structure, teacher qualification and salary are at par with the aided programs?

YES, all the programmes offered by the institution self – financing programmes.

Courses offered

| S. No | Courses | Year | Intake |
|-------|---|------|--------|
| 01 | Diploma in Pharmacy (D. Pharmacy) | 2003 | 60 |
| 02 | Bachelor of Pharmacy (B. Pharmacy) | 2002 | 120 |
| 03 | Master of Pharmacy (M. Pharmacy) | | |
| | Pharmaceutical Analysis & Quality Assurance | 2008 | 60 |
| | Pharmaceutics | 2009 | 54 |
| | Pharmacology | 2009 | 18 |
| | Pharmacy Practice | 2013 | 24 |
| 04 | Pharm. D (Doctor of Pharmacy) | 2008 | 30 |
| 05 | Pharm. D (Doctor of Pharmacy – Post Baccalaureate) | 2009 | 10 |
| 06 | Doctorate in Philosophy (PhD) – Pharmaceutical Sciences | 2013 | 5 |

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Table. 12 Mode of admission / Selection of Students

| Programme | Duration | Eligibility | Admission Mode | Approved By | Awarding University |
|--------------|----------|--|---|-------------------------------------|---------------------|
| D. Pharm | 02 years | Intermediate (only Regular) (Bi.P.C and M.P.C) | AP-ICET Counseling / Spot admission at Institute | AICTE, PCI, SBTET, and Govt. of AP. | SBTET |
| B. Pharm | 4 years | Intermediate (only Regular) Bi.P.C & M.P.C D. Pharm for Lateral Entry (to II Year) | Category A (EAMCET Counseling) Category B (Management Quota) ECET for Lateral Entry | AICTE, PCI, Govt. of AP | JNTUA |
| Pharm.D | 06 years | Intermediate (only Regular) (Bi.P.C and M.P.C) | Category A (EAMCET Counseling) Category B (Management Quota) ECET for Lateral Entry | PCI, Govt. of AP | JNTUA |
| Pharm.D (PB) | 03 years | B.Pharm from Recognized University | Category A (EAMCET Counseling) Category B (Management Quota) ECET for Lateral Entry | PCI, Govt. of AP | JNTUA |
| M. Pharm | 02 years | B. Pharmacy from recognized University | Category A (PGECET Counseling) Category B (Management Quota) | AICTE, Govt. of AP | JNTUA |
| PhD | 03 years | M. Pharmacy from recognized University | Notification by the University and admitted through University | JNTUA | JNTUA |

- Admission process is based on interview and merit conducted by the institution.
- Fee Structure is stipulated by the State Govt.
- Teacher qualifications are as per the rules of PCI, AICTE and JNTUA.
- Salaries are as per AICTE.

1.2.5 Has the institution adopted the Choice Based Credit System (CBCS) / credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction CBCS in its affiliated college?

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The institution Raghavendra Institute of Pharmaceutical Education and Research – RIPER is affiliated to JNTUA, which conducts examination as per norms of affiliating university.

Present mode of Examination

Degree in Bachelor of Pharmacy – B. Pharmacy

1. A student will be declared eligible for the award of the Degree if he / she fulfil the following academic regulations

i. Pursue a course of study for not less than four academic years and in not more than eight academic years.

ii. Register for 220 credits and secure all 220 credits

2. Students, who fail to fulfill all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Pharm course and their admission is cancelled.

3. Courses of study

The course of study offered is B.Pharm at present and any other course as approved by the authorities of the University from time to time

4. Distribution and Weightage of Marks

i. The performance of a student in each semester / I year shall be evaluated subject –wise with a maximum of 100 marks for theory and 75 marks for practical subject. In addition seminar and project work shall be evaluated for 50 and 200 marks respectively.

ii. For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.

iii. For theory subjects, during the semester there shall be two midterm examinations. Each midterm examination consists of objective paper for 10 marks and subjective paper for 20 marks with duration of 1hour 50 minutes (20 minutes for objective and 90 minutes for subjective paper).

Doctor of Pharmacy – Pharm. D

1. A student will be declared eligible for the award of the Degree if he / she fulfil the following academic regulations

i. Pursue the course of study for not less than 06 academic years and is not more than 12 years.

ii. Pursue the course of study for not less than 03 academic years and is not more than 06 years.

(Pharm. D Post Baccalaureate)

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2. i. Students, who fail to fulfill all the academic requirements for the award of the degree within 12 academic years from the year of their admission, shall forfeit their seat in Pharm D. course and their admission is cancelled

ii. Students, who fail to fulfill all the academic requirements for the award of the degree within 06 academic years from the year of their admission, shall forfeit their seat in Pharm. D (PB) course and their admission is cancelled.

3. Courses of study

The course of study offered is Pharm. D at present and any other course as approved by the authorities of the University from time to time.

4. Award of sessional marks and maintenance of records:

i. A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm. D or as the case may be, Pharm. D (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.

ii. There shall be at least three periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.

iii. The sessional marks in practicals shall be allotted on actual performance in the sessional examination (20 marks); Day to day assessment in the practical class work, promptness, viva-voce, record maintenance, etc. (10 marks)

5. Distribution and Weightage of Marks

i. Theory examination shall be of three hours and practical examination shall be of four hours duration both of 70 marks.

ii. A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.

iii. Practical examination shall also consist of a viva -voce (Oral) examination.

iv. Clerkship examination - Oral examination shall be conducted after the completion of clerkship of students.

v. An external and an internal examiner will evaluate the students. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering

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clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

6. For End examinations: A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks.

Masters of Pharmacy (M. Pharmacy)

1. Weightage of Marks: The performance of the candidate in each semester shall be evaluated subject wise, with a maximum of 100 marks for Theory and 100 marks for practicals, on the basis of Internal Evaluation and End Semester Examination.

i. For the theory subjects 60% of the marks will be for the External End Examination. While 40% of the marks will be for Internal Evaluation, based on the better of the marks secured in the two Mid Term-Examinations held, with three questions to be answered out of four in 2 hours, evaluated for 40 marks.

*Note: All the Questions shall have equal weightage of 10 marks and the marks obtained for 3 questions shall be extrapolated to 40 marks, any fraction rounded off to the next higher mark.

ii. For practical subjects, 60 marks shall be for the End Semester Examinations and 40 marks will be for internal evaluation based on the day to day performance.

iii. For mini project there will be an internal evaluation of 50 marks. The candidate has to secure a minimum of 50% to be declared successful.

iv. For Seminar there will be an internal evaluation of 50 marks. A candidate has to secure a minimum of 50% to be declared successful.

2. Course of study:

i. A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the End Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.

ii. In case the candidate does not secure the minimum academic requirement in any subject he/she has to reappear for the Semester Examination either supplementary or regular in that subject, or repeat the course when next offered or do any other specified subject as may be required.

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1.2.6 What percentage of programs offered by the institution follow?

The pharmacy programmes offered at various degree levels are as per the statutory regulatory bodies (AICTE and PCI) and the affiliating university JNTUA.

| | |
|-----------------|---|
| Semester System | B. Pharmacy M. Pharmacy |
| Annual System | Pharm. D Pharm. D (Post baccalaureate) |

1.2.7 How does the institution promote multi / inter disciplinary programs? Name a few programs and comment their outcome?

All the pharmacy programmes at various degree levels are designed with program outcomes (PO) with well planned programme educational objectives (PEO) which definitely caters the need of students and public with global standards. The PO's and PEO's of the programmes are clearly disseminated in College website, brochures, record note books, orientation programmes in higher secondary education institutions.

Table. 13 PO' S and PEO's of M. Pharmacy

| PEO's | PO's |
|--|---|
| PEO1: Produce graduates who will have the ability to apply the knowledge of pharmaceutical sciences to excel in a career. PEO2: Produce graduates who will continue to enhance their knowledge. PEO3: Produce graduates who are confident to take up diverse carrier paths. PEO4: Produce graduates who will provide leadership and demonstrate the importance of Professional integrity. | 1. Ability to acquire knowledge of pharmaceutical sciences. 2. Ability to design and conduct experiments, to analyze and interpret data. 3. Ability to design solutions for complex research problems to meet the specified needs with appropriate considerations of public health. 4. Ability to provide valid conclusions from the use of research based knowledge and research methods. 5. Ability to use current techniques, skills, and modern tools. 6. Ability to demonstrate the understanding of societal, health, safety and legal issues related to pharmaceutical manufacturing and pharmacy practice. 7. Ability to understand the impact of the products and processes employed on societal and environmental contexts. 8. Awareness of ethical and professional |

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| | |
|--|--|
| | <p>responsibilities.</p> <p>9. Ability to function effectively individually and on teams, including diverse and multidisciplinary settings, to accomplish a task.</p> <p>10. Ability to develop necessary interpersonal and communication skills to be a productive member of the team in work environment.</p> <p>11. Ability to demonstrate effective planning, develop and implement plans within time frame through proper knowledge and understanding of professional and management principles and apply these skills to one's own work, and also as a leader in a team.</p> <p>12. A strong background and motivation to pursue lifelong learning</p> |
|--|--|

Table. 14 PO' S and PEO's of Pharm. D

| PEO's | PO's |
|---|--|
| <p>PEO 01: Patient Assessment</p> <p>PEO 02: Pharmaceutical Care Plan Development:</p> <p>PEO 03: Drug Therapy Evaluation.</p> <p>PEO 04: Pharmacotherapy Decision Making</p> <p>PEO 05: Medication Preparation, Distribution, and to administer medications.</p> <p>PEO 06: Systems Management</p> | <p>PO 01: Graduates will demonstrate knowledge of Pharmaceutical sciences</p> <p>PO 02: Graduates will demonstrate an ability to identify, formulate and resolve difficulties in pharmaceutical industry, community and hospital Pharmacy.</p> <p>PO 03: Graduates will conduct analyze and interpret data of experiments in production, analytical and clinical aspects.</p> <p>PO 04: Graduates will enter into the practice of pharmacy to serve society as ethical and caring professionals.</p> <p>PO 05: Graduates will apply knowledge of drugs and drug therapy to resolve problems and make decisions on behalf of their patients for better patient care.</p> <p>PO 06: Graduates will educate, communicate, and collaborate with patients and health care professionals.</p> <p>PO 07: Graduates will assume a leadership</p> |

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| | |
|--|--|
| | <p>role in the future direction of the profession and practicing with international standards.</p> <p>PO 08: Graduates will demonstrate knowledge of professional and ethical responsibilities liable to the profession and society.</p> <p>PO 09: Graduate will understand and implement the professional knowledge in research team and or alone in multidisciplinary tasks.</p> <p>PO 10: Graduates will develop professional practice as a lifelong learning experience.</p> |
|--|--|

Table. 15 PO' S and PEO's of B. Pharmacy

| PEO's | PO's |
|---|---|
| <p>PEO 1: Graduate of the program will have successful technical or professional careers in pharmaceutical industry and/ or institute and /or Health care system</p> <p>PEO 2: Graduate of the program will continue to learn and adapt in a globe of constantly developing trends</p> <p>PEO 3: Graduate of the program will have foundation in science, formulation technology, synthetic knowledge, Discovery tools as per the requirement of Pharmaceutical sectors.</p> <p>PEO 4: Students will possess professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate Pharmaceutical Sciences issues to broader social context.</p> | <p>PO 01: Graduates will demonstrate knowledge of Pharmaceutical science and Life Sciences</p> <p>PO 02: Graduates will demonstrate an ability to identify, formulate and solve difficulties in Pharmaceutical Industry, Community and Hospital Pharmacy.</p> <p>PO 03: Graduates will conduct analyze and interpret data of experiments in production, Analytical and clinical aspects</p> <p>PO 04: Graduates will demonstrate an ability to design process, formulation and biological screening as per needs and specifications.</p> <p>PO 05: Graduates will demonstrate an ability to adapt technical knowledge to visualize and work on laboratory and multidisciplinary tasks.</p> <p>PO 06: Graduate will demonstrate skills to use modern Pharmaceutical tools, software and equipment to analyze and solve problems.</p> <p>PO 07: Graduates will demonstrate knowledge of professional and ethical responsibilities liable to the profession and society</p> <p>PO 08: Graduate will understand and implement the professional knowledge in research team and or alone in multidisciplinary tasks</p> |

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| | |
|--|---|
| | <p>PO 09: Graduate will be able to communicate effectively and sustain in different environments and culture.</p> <p>PO 10: Graduate will show the understanding of impact of Pharmaceutical sciences on the society and also will be aware of modern issues.</p> <p>PO 11: Graduate will develop confidence for self education and ability for life-long learning.</p> <p>PO 12: Graduates will demonstrate knowledge in management skills and leadership qualities.</p> |
|--|---|

1.2.8 What programmes are offered for practicing health professionals for skills training and career advancement?

- Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.
- Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.
- All the faculty members are motivated and encouraged to pursue their doctoral degrees.
- Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.
- Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.
- Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc

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- Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and/or skill oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum is reviewed and upgraded on a regular basis as Old Scheme, revised scheme. The College implements the curriculum based on the syllabus approved by JNTUA. However the enrichment of the curriculum happens through guest lectures and the regular inputs from the internet.

1.3.2 During the last four years, how many new programs were introduced at the UG and PG levels? Give details.

Table. 16 Hierarchy of Programmes established in RIPER

| S. No | Courses | Year |
|-------|---|------|
| 01 | Diploma in Pharmacy (D. Pharmacy) | 2003 |
| 02 | Bachelor of Pharmacy (B. Pharmacy) | 2002 |
| 03 | Master of Pharmacy (M. Pharmacy) | |
| | Pharmaceutical Analysis & Quality Assurance | 2008 |
| | Pharmaceutics | 2009 |
| | Pharmacology | 2009 |
| | Pharmacy Practice | 2013 |
| 04 | Pharm. D (Doctor of Pharmacy) | 2008 |
| 05 | Pharm. D (Doctor of Pharmacy – Post Baccalaureate) | 2009 |
| 06 | Doctorate in Philosophy (PhD) – Pharmaceutical Sciences | 2013 |

1.3.3. What are the strategies adopted for the revision of the existing programs? What percentage of courses underwent a syllabus revision?

The faculties are involved in the revision of the UG and PG programmes as subject experts. Members of faculty are appointed as the members of Board of studies of the University for Curriculum Revision and up-gradation. The suggestions are presented at the meeting of Board

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of studies. The Minutes of meeting is forwarded to the affiliating university (JNTUA) Faculties are involved in preparation of question bank for both UG and PG courses.

- The PG syllabus is updated with recent developments in 2015.
- The UG syllabus is updated with recent developments in 2014.
- The Pharm.D syllabus is updated with recent development in 2014.
- 100% of all the courses underwent syllabus revision.

1.3.4. What are the value-added courses offered by the institution and how does the institution ensure that all students have access to them?

The value added courses are Hands on training on instrumentation, series of training modules on software's (QbD and Clinical Pharmacology) and computer savvy, advanced language communication laboratories, journal club presentations, drug club presentations, case discussions, developing skills on laboratory parameter interpretations, personality development classes and workshops, health awareness outreach programmes.

1.3.5 Has the institution introduced skills development programs in consonance with the national health programs?

The institution gives training to the students on various national health programmes like AIDS, Diabetes, Cardiovascular disorders and strokes. NSS unit in co-ordination with Pharm. D. students involves in various health camps and awareness programmes.

1.3.6 How does the institution incorporate the aspects of overall personality development addressing physical, mental, emotional and spiritual well being of the student?

Physical well being is developed by sports and athletic meets, the institution provides an exclusive and extraordinary sport facility for the students with both indoor and outdoor facilities.

Mental well being is stabilized by Yoga and meditation classes.

Personality development through Student mentorship programme (SMP)

Institution also encourages student to participate in spiritual lectures organized by Sri Ramakrishna Mission and Swamy Vivekananda missions.

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education?

The students of Pharm. D programme concentrates extremely on health outcomes of patients, suggests rational prescription of medications to physicians, assisting nursing staffs during

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administrations, informing and education patients regarding the disease and medication use (patient counseling), prepares action plan on drug use for appropriate and indicated therapy, favours and decreases economic burden of patient by performing pharmacoeconomic analysis, assessing the epidemiology of study and its risk of medication use through pharmacoepidemiology research studies.

1.3.8 Does the curriculum cover additional value systems? YES

- Emphasis on discipline, punctuality and obedience.
- Informing parents about the attendance of their wards regularly.
- Informing parents about the academic performance of their wards periodically.
- Allotment of library hours in the time table.
- Implementation of tutorials as a part of regular time table.
- NSS activities.
- Orientation classes for fresher's.
- Updating the central library and departmental libraries on a regular basis.
- Training the PG students on instrumentation and research works.

1.4. Feedback system

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how it is made use of?

The institution designed a frame work process of obtaining feedback from students regarding the teaching and learning process regarding the curriculum. The framework starts initially with collecting feedback from all the students at the end of semester and examination on every course (subject) by obtaining formal written feedbacks, which is analyzed by the principal, coordinator academic and planning, programme in-charges. Based on which corrective measures if any is taken. Corrective measures taken in last three years are 15.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and their impact.

The institution from its inception has conducted more than 30 conferences/seminars/symposium/workshops both of national and international level, inviting resource persons from all universities of India in the field of pharmaceutical education and research, healthcare, pharmaceutical industries and R&D, which provided a platform for

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both faculties and students to interact with experts which was more useful in incorporating new ideas and innovative learning teaching methodologies for the improvement of curriculum.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and the extent to which it is made use of?

Jawaharlal Nehru Technological University Anantapur (JNTUA) follows a systematic approach in framing curriculum, which invites senior faculty members and subject experts from affiliated colleges of both UG and PG levels conducts workshop on curricular framework, the suggestions of the experts on panel discussion will be documented, will be passed through the respective boards of studies, academic council, senate and syndicate for the final notification by the university.

1.4.4 Based on feedback, what is the quality sustenance and quality enhancement measure undertaken by the institution in ensuring the effective development of the curricula?

The feedback obtained by various quarters is pooled together for a thorough discussion, department wise. Based on the deliberations, considering the pros and cons, advantages and disadvantages and the feasibility, a brain storming session is conducted, department wise for the effective development of the curricula.

1.4.5 What mechanisms are adopted by the management of the institution to obtain adequate information and feedback from faculty, students, patients, parents, industry, hospitals, general public, employers, alumni and interns, etc. and review the activities of the institution?

The administration of institute regularly conducts surveys which will be both direct and indirect measures in obtaining feedback/information's from all stakeholders and regularly conducting meetings (Parents meeting, alumni meeting, students meeting). During this process following steps are followed in making corrections in curriculum and action plan for future for development.

- Collect and review documents that describe programmes
- Collect and review instructional materials
- List the achievements of graduates in their field.
- Alumni achievements such as career accomplishments, social activities, aesthetic and intellectual involvement.
- Committee meeting and its minutes on discussion. The committee was consisted of Head of the Department, Programme coordinator, Senior Faculty members,

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representatives from students, parents, Alumni, employers and members from professional, bodies like AICTE, PCI, APTI, Pharmacy Student forum.

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the institution ensure publicity and transparency in the admission process?

The institution strictly adheres to the norms of affiliating university (JNTUA) and the statutory bodies All India Council for Technical Education (AICTE) and Pharmacy Council of India (PCI) for admission procedures for both UG and PG courses.

Table. 17 ADMISSION MODES

| Programme | Duration | Eligibility | Admission Mode | Approved By | Awarding University |
|--------------|----------|--|---|-------------------------------------|---------------------|
| D. Pharm | 02 years | Intermediate (only Regular) (Bi.P.C and M.P.C) | AP-ICET Counseling / Spot admission at Institute | AICTE, PCI, SBTET, and Govt. of AP. | SBTET |
| B. Pharm | 4 years | Intermediate (only Regular) Bi.P.C & M.P.C D. Pharm for Lateral Entry (to II Year) | Category A (EAMCET Counseling) Category B (Management Quota) ECET for Lateral Entry | AICTE, PCI, Govt. of AP | JNTUA |
| Pharm.D | 06 years | Intermediate (only Regular) (Bi.P.C and M.P.C) | Category A (EAMCET Counseling) Category B (Management Quota) ECET for Lateral Entry | PCI, Govt. of AP | JNTUA |
| Pharm.D (PB) | 03 years | B.Pharm from Recognized University | Category A (EAMCET Counseling) Category B (Management Quota) ECET for Lateral Entry | PCI, Govt. of AP | JNTUA |
| M. Pharm | 02 years | B. Pharmacy from recognized University | Category A (PGECET Counseling) Category B (Management Quota) | AICTE, Govt. of AP | JNTUA |
| PhD | 03 years | M. Pharmacy from recognized University | Notification by the University and admitted through University | JNTUA | JNTUA |

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The institution is the premier pharmacy teaching centre in Anantapur district which is first of the choice for conducting examinations like PG CET/EAMCET etc. during public relation committee of the college plays a vital role in distributing college brochures, Awareness lectures are conducted by our staff members for 10+2 students in higher secondary schooling educational institutes which are the basic ways for bringing awareness among general public regarding pharmacy profession and the institute.

2.1.2 Explain in detail the process of admission put in place by the institution. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test, aptitude and interview, (iv) common entrance test conducted by state agencies and national agencies (v) any other criteria (specify).

Raghavendra Institute of Pharmaceutical Education and Research was started in the year 2002 with intake of 60 students into B.Pharm program after acceptance from All India Council for Technical Education (AICTE) vide letter no. F.No: 06/05/AP/PHAR/2002/006 dated 27.05.2002. The college was notified in the official gazette of Govt. of Andhrapradesh bearing the G.O.Ms No.41 dated 27.06.2002. Based on the above approvals, Expert committee proceedings No. A2/E.C/Raghavendra-B.Pharm/2002 dated 17.07.2002 and Expert committee report dated 24.09.2002 the institute had been affiliated to Jawaharlal Nehru Technological University, Hyderabad with proceedings No. A2/Affi/Raghavendra/2002-2003 dated 14.11.2002. Later it was approved by 77 th Central Council of Pharmacy Council of India to admit 60 students into B.Pharm program vide letter no. 32-291/2004-PCI-5051-52 dated 28.07.2006. Further the approval from AICTE was extended every year. Raghavendra Institute of Pharmaceutical Education and Research had been approved by AICTE for double shift of B.Pharm program with intake of 60 students in each shift vide No: South Central Region/1-5523281/2010/EOA dated 23.08.2010. Currently 100 is the sanctioned intake on B. Pharmacy programme (AICTE: F. No. South-Central/ 1-2454907332/2015/EOA, dated 07. 04. 2015) and JNTUA: Proc. No. A2/Permanent Affiliation/RIPER-L8/2013/2014 dated 11.10.2013.

Student Admission

Eligibility criteria: It is as per Govt. of AP, AICTE and PCI, New Delhi and subjected to change and adopt all time to time changes announced by the Govt / AICTE / PCI.

Admission Intake: As sanctioned by AICTE, PCI and approved by Govt. of AP

Admission Criteria:

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Criterion I: Admission intake is approved by AICTE, PCI, State Government and the affiliating University. There is a necessity to apply and grant permission from above mentioned authorized bodies belonging to state and central government.

Criterion II: Allocation of the total intake into category A and category B respectively, for counseling seats and management quota, is being governed by Andhra Pradesh state council of Higher Education; hence the percentage allocation may vary from year to year. At present 70% of seats fall under Category A (Convenor quota) and remaining 30% seats fall under Category B (Management quota).

| S.no | Program | Academic Year | Seats Admitted (as per Quota) | | | Total | Lateral Entry | Gross Total |
|------|-------------|---------------|-------------------------------|------------|------|-------|---------------|-------------|
| | | | Convenor | Management | Spot | | | |
| 1 | B. Pharmacy | 2013-14 | 69 | 27 | 3 | 99 | 1 | 100 |
| 2 | B. Pharmacy | 2012-13 | 41 | 24 | 1 | 66 | 4 | 70 |
| 3 | B. Pharmacy | 2011-12 | 63 | 19 | 2 | 84 | 8 | 92 |
| 4 | B. Pharmacy | 2010-11 | 58 | 14 | 6 | 78 | 13 | 91 |
| 5 | B. Pharmacy | 2009-10 | 34 | 18 | 8 | 60 | 11 | 71 |
| 6 | B. Pharmacy | 2008-09 | 42 | 15 | 5 | 62 | 10 | 72 |
| 7 | B. Pharmacy | 2007-08 | 52 | 11 | -- | 63 | 6 | 69 |
| 8 | B. Pharmacy | 2006-07 | 43 | 12 | 5 | 60 | 7 | 67 |
| 9 | B. Pharmacy | 2005-06 | 46 | 9 | 5 | 60 | 8 | 68 |
| 10 | B. Pharmacy | 2004-05 | 48 | 9 | 3 | 60 | 6 | 66 |
| 11 | B. Pharmacy | 2003-04 | 49 | 9 | 2 | 60 | 6 | 66 |
| 12 | B. Pharmacy | 2002-03 | 35 | 6 | 19 | 60 | -- | 60 |

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

Following is the procedure followed by university for admission in affiliated colleges

- The university releases the calendar of events for the academic year detailing the last dates for application for eligibility, admission and submission of original documents for admission approval for both UG and PG courses.
- The university announces the information regarding the examination EAMCET/PGCET

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- Online application and registration
- Conduct of EAMCET / PG CET
- Announcement of results
- Announcement of merit list and Counselling for admission
- Issue of allotment/admission letter to selected candidates.
- Online uploading of admission statement for both UG and PG with all the documents for final approval is done on the last date announced by the university.

2.1.4 Does the institution have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

YES, the institution has a mechanism to review its admission process and student profile annually and the quality of input is assessed by their academic achievements.

Table. 18 The outcome of the analysis is improvement in student's enrollment every academic year.

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | Pass percentage |
|-------|-------------|-------------------|--------------------|-------------------|-----------------|
| 01 | B. Pharmacy | 2008 | 2012 | 60 | 88 |
| 02 | B. Pharmacy | 2009 | 2013 | 60 | 92.42 |
| 03 | B. Pharmacy | 2010 | 2014 | 80 | 93.46 |

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | Pass percentage |
|-------|--------------------------------|-------------------|--------------------|-------------------|-----------------|
| 01 | Pharm. D | 2008 | 2014 | 30 | 100 |
| 02 | Pharm. D Post Bacculaureate | 2009 | 2012 | 10 | 100 |
| 03 | Pharm. D Post Bacculaureate | 2010 | 2013 | 06 | 100 |
| 04 | Pharm. D Post Bacculaureate | 2011 | 2014 | 10 | 100 |

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| S. No | Program | Year of Admission | Year of Completion | Students enrolled | Pass percentage |
|-------|-----------------------------|-------------------|--------------------|-------------------|-----------------|
| 01 | M. Pharmacy (Pharmaceutics) | 2010 | 2012 | 18 | 100 |
| 02 | M. Pharmacy (Pharmaceutics) | 2011 | 2013 | 37 | 100 |
| 03 | M. Pharmacy (Pharmaceutics) | 2012 | 2014 | 41 | 100 |

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | Pass percentage |
|-------|----------------------------|-------------------|--------------------|-------------------|-----------------|
| 01 | M. Pharmacy (Pharmacology) | 2010 | 2012 | 18 | 100 |
| 02 | M. Pharmacy (Pharmacology) | 2011 | 2013 | 17 | 95 |
| 03 | M. Pharmacy (Pharmacology) | 2012 | 2014 | 12 | 100 |

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | Pass percentage |
|-------|-----------------------|-------------------|--------------------|-------------------|-----------------|
| 01 | M. Pharmacy (PA & QA) | 2008 | 2010 | 08 | 87.5 |
| 02 | M. Pharmacy (PA & QA) | 2009 | 2011 | 19 | 94.7 |
| 03 | M. Pharmacy (PA & QA) | 2010 | 2012 | 37 | 94.44 |
| 04 | M. Pharmacy (PA & QA) | 2011 | 2013 | 36 | 100 |
| 05 | M. Pharmacy (PA & QA) | 2012 | 2014 | 30 | 100 |

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | Pass percentage |
|-------|---------------------------------|-------------------|--------------------|-------------------|-----------------|
| 01 | M. Pharmacy (Pharmacy Practice) | 2013 | 2015 | 01 | 100 |

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2.1.5 Number of students admitted in the institution in the last four academic years?

Table. 19 Students admitted in the institution in the last four academic years

| S. No | Academic Year | Number of students |
|-------|---------------|--------------------|
| 01 | 2015 - 2016 | 721 |
| 02 | 2014 - 2015 | 742 |
| 03 | 2013 - 2014 | 654 |
| 04 | 2012 - 2013 | 520 |
| Total | | 2637 |

2.1.6 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

No, The institution is satisfied with admissions, which is followed as per norms of affiliating university (JNTUA), and the statutory bodies All India Council for Technical Education (AICTE) and Pharmacy Council of India (PCI).

2.1.8 Were any programs discontinued/ staggered by the institution in the last four years? If yes, specify the reasons.

No, the institution has not discontinued / staggered any programs in the last four years.

2.2 Catering to Student Diversity

2.2.1 Does the institution organize orientation / induction program for fresher's? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

The institution professional obligation is conducting orientation classes regularly for the newly admitted students at various degree levels, for which the College Academic Committee (CAC) frames scheduled time table with faculties who are subject experts in first module, where head of institute - principal, coordinator academic and planning, course in-charges, interacts with the student community about the significance of the programme they chose and about the rules and regulations and policies of institutes with both parents and their wards, the second module of the orientation will be handled by senior faculties and head's of department who explains the basics of pharmaceutical sciences and research in a broad perspective, which nourishes the students interest and ideas towards teaching-learning process in a good manner. The third

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module of orientation will be by the entire faculty team irrespective of the fact whether or not they are teaching any of the first year subjects. This not only integrates the students but also helps them in visualizing their role in shaping their professional career. The orientation program is displayed on the notice board. The feedback of orientation classes both for parents and students are collected and analysed for further development in forthcoming academic years.

| S. no | Faculty Name | Designation | Induction programmes |
|----------|---------------------------|---|---|
| I MODULE | | | |
| 01 | Dr. Y. Padmanabha Reddy | Professor & Principal | About the institute, rules & regulations, policies |
| 02 | Dr. J. Ravindra Reddy | Professor & Vice-principal | Pharmacy programme importance and regarding curriculum |
| 03 | Dr. K. Ramakrishna Reddy | Professor & Coordinator Academic & Planning | Teaching learning process |
| 04 | Dr. P. Ramalingam | Professor & PG Programme Director | Basics of Pharmaceutical Science and research |
| 05 | Mr. B. Srinadh | Assoc Professor & Head B. Pharmacy Programme | Overview on biochemistry and biotechnology and its applications in pharmacy |
| 06 | Dr. Mohanraj Rathinavelu | Asst Professor & Head Pharm. D Programme | Perspective of Clinical pharmacy and pharmacy practice |
| 07 | Dr. C. Sowmya | Assoc Professor & Head Division of Pharmaceutics | Basics of Pharmaceutical Formulations |
| 08 | Mr. K. Vinod Kumar | Assoc Professor & Head Division of PA & QA | Intellectual Property Rights |
| 09 | Mr. S. Nagarjuna | Asst Professor & Head Division of Pharmacology | Pre clinical toxicity testing |
| 10 | Dr. M. Jaffar Sadiq | Assoc Professor & Head Division of Pharmacy practice | Immunology |
| 11 | Dr. M. Vijaya Jyothi | Professor & Head Division of Pharmaceutical Chemistry | Applied chemistry |
| 12 | Dr. K. Somasekhar Reddy | Assoc Professor | Clinical Trials & its Phases |
| 13 | Mrs. M. Geethavani | Assoc Professor | Naming reactions |
| 14 | Mr. C. Suryaprakash Reddy | Assoc Professor | Regulatory Affairs |
| 15 | Mr. G. Narayana | Assoc Professor | Basics of Pharmacotherapeutics |
| 16 | Mr. A. S. Mansoor | Assoc Professor | Chemistry of Natural Products |
| 17 | Mr. K. V. V. Badhrappa | Assoc Professor | Pharmacognosy & |

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| | | | |
|----|--------------------------|-----------------|---|
| | | | phytochemistry |
| 18 | Mr. A. Sudheer | Assoc Professor | Pharmacological Screening |
| 19 | Mr. A. Sanjeev Kumar | Asst Professor | Applications of medicinal plants in healthcare |
| 20 | Mr. B. Pradeep Kumar | Assoc Professor | Anti - Inflammatory medications (Analgesics/Anti pyretics) |
| 21 | Mr. C. Haranath | Assoc Professor | Novel Drug Delivery System |
| 22 | Mr. K. Arshad Ahmed Khan | Asst Professor | Pharmaceutical Technology |
| 23 | Mrs. U. Usharani | Asst Professor | Chemistry of Antibiotics |
| 24 | Mrs. K. V. Lalitha | Asst Professor | Instrumentation |

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes, the institution has a mechanism through which the “differential requirements of the student population” are analyzed.

The Coordinator academic & planning (CAP), is the head of student wing, whose team comprising of course in-charges and class in-charges interacts with students and discusses about their requirements for learning –teaching process and other needs which are documented and during the meeting of students wing all the points suggested by students are discussed with CAP, and action plan is framed as a collective measure.

The Student mentorship programme (SMP) is an another process carried by institution biannually where students are regularly placed under subject experts and senior faculties on rotation basis, in which students have an opportunity to interact with all faculties by which diversity of learning-teaching process happens, students be able to acquire more innovative thought of learning and research guidance takes place which will be tool of moulding the students in to future healthcare service provider to public.

Peer project evaluation will be another tool in student’s learning-teaching process, where it gives chance for a student to know about the basic interdisciplinary professional well being like: quality of work, timeliness of work, task support, interactions, attendance, responsibilities, involvement, leadership by which they can evaluate their own overall performance.

2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners?

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The institution considers the advanced learners as teachers and slow learners has students, for which the administration of institute responds in a broad way, for the advanced learners the institute provides all type of learning-teaching resources which are required like library usage facility for all primary, secondary, and tertiary resources made available. Workshops on research orientations, regular meetings with subject experts as visiting faculties from all reputed universities and renowned researcher. For slow learners the College academic committee recommends faculty members to take extra classes on subjects the students feel hard and doubtful, incorporating practical explanation, and assessing their knowledge by making certain intervention which is reflected in their term examinations of both theory and laboratory.

2.2.4 Does the institution offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department wise/faculty wise?

The institution offers pharmacy programmes at various degree levels as per norms of affiliating university JNTUA and the statutory bodies AICTE & PCI. As per the recommendations the institution takes remedial mathematics subject learnt at the entry level that is 10+2 for B.Pharm and Pharm D students.

2.2.5 Has the institution conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc.? If yes, what are the main findings?

The institution has currently decided to conduct study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc for which the administrative set up of institution has framed a committee called public relation committee.

2.2.6 Is there a provision to teach the local language to students from other states/countries?

NO.

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

The institution is keen on concentrating on student's interdisciplinary professional and personal development and living, making them the more responsible citizen of the country with all responsibilities.

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The institution regularly organizes personality development courses which define them more ethical with moral living.

We ask students to participate in all the public activities organized by Sri Ramakrishna Matt and Swamy Vivekananda Matt, where they learn patience and social living.

Apart from this the administration of institution frames and refines regularly the rules, procedures, recruitment, and promotional policies in accordance to improve the quality policy, mission and vision every academic year.

Academic Rules and Regulations

The rules and regulation for academic is governed by Jawaharlal Nehru Technological University Anantapur (JNTUA), which is our affiliating university for examination, evaluation and award of Degree. These regulations are provided to all students along with program syllabus.

Discipline Rules and Regulations for Parent & Student Guide

Behavior reflects the academic and social progress of a student. We expect our students to behave at all times in a manner that reflects the culture, traditions and beliefs of our society and is conducive to a positive working environment. The administration and staff of RIPER believe that it is important to encourage and reinforce positive behavioural patterns and to discourage negative behavioural patterns, and rely upon parental support and cooperation to accomplish this objective.

Behavior Guideline in campus

- Be punctual for College and all classes.
- Wear correct College uniform.
- Respect the rights of others and avoid disturbing or interrupting the class.
- Respect and cooperate with teachers, staff and other students.
- Work quietly during class and follow all the instructions of the teacher.
- Obtain the permission of the teacher before moving, in or out the class.
- Keep the classroom and College premises clean and tidy at all times.
- Avoid rough games in the playground.
- Walk quietly and orderly in the corridors when moving around the College.
- Sit quietly in the assigned seat of the bus
- Be alert to the instructions of the driver.

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- Respect College property and the property of others.
- Behave in an honest and honourable manner.

Unacceptable Conduct in Campus

- Displaying a negative attitude towards society and College.
- Showing disrespect towards religion, community, or honesty.
- Taking or damaging property belonging to the College or other people.
- Defacing the walls or other College properties.
- Smoking or involvement with illegal substances (drugs/alcohol).
- Trespassing on College property during holidays.
- Mal Practice during tests or examinations.
- Falsifying College reports and certificates.
- Dealing with videos, pictures and magazines which are unacceptable
- Fighting, bullying or violent behavior towards others.
- Swearing or using abusive language.
- Throwing or using objects in a manner that may hurt others.
- Playing or looking around restrooms.
- Chewing gums while on College premises.
- Littering the playground or campus.
- Conduct deemed as inappropriate by the College in time to time

Repetition of any of the previous behaviours notified under unacceptable conduct, the college will be taking action in the following Steps

Step.1: Receiving hand written complaints from the victim / evident

Step.2: implementation suspension (if required and is decided by the committee)

Step.3: Intimation to the Parent and making compulsory visit to the college

Step.4: Written apology from student and countersigned by his / her parent

Step.5: Filed in disciplinary action file

Note: If any complaints related to ragging / Eve teasing etc. Intimation to the Nearest Police station will be done along with parents (as per Act). No excuse will be allowed for Ragging or Eve –teasing incidents.

A repetition of misconduct

- A repetition of misconduct after step 5 of any candidate would result in suspension from the College premises / class until examinations.
- But, the student will be allowed to take the examination in the following cases:

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- Repetition of the behavior described above.
- Drug or alcohol abuse.
- Bullying.

Student will be expelled if he/she

- Shows violence towards staff members.
- Is convicted of a criminal offence.
- Purposeful damage to the college property

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women's empowerment, etc.

- The yoga classes and AOL training for the teachers help them to efficiently mentor the students in terms of national integration.
- The various competitions held during the Fresher's / Farewell / College Day are the platform provided for recognizing and development of Indian art and culture.

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

- Following dress code to make students realize their true potential and not to be swayed away by other influences.

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

Yes.

2.2.11 How does the institution attend to the diverse health issues (physical and mental) of students and staff?

- The diverse health issues (physical and mental) of students is completely taken care by the Coordinator academic & planning assisted by his team of course in-charges and class in-charges, where regular counseling with students takes place to satisfy the demands of students.
- To attend to the health needs of the students a doctor is available in the hostel premises.
- Also, to attend to the mental and emotional problems of needy students a psychological counsellor advice and assistantship is followed.
- In the college premises, a sick room and a first aid room is made available with the services of pharmacy practice staff to offer preliminary medical care.

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- Common rooms for both boys and girls are provided for students within the institute.
- The student mentorship meeting is regularly organized which provides the emotional and psychological support needed for the students.

2.2.12 Does the institution cater to the needs of groups / individuals requiring special attention by conducting group classes / special individual trainings / focused group discussion / additional training measures etc.?

YES, the institute caters all the needs of the student community.

2.3 Teaching - Learning Process

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as: academic calendar, master plan, teaching plan, rotation plan, course plan, unit plan, evaluation blue print, outpatient teaching, in-patient teaching, clinical teaching in other sites, teaching in the community.

The institution college academic committee (comprising of coordinator academic & planning, and all programme/course in-charges) in the presence of head of institute, organizes a meeting with all department heads regarding the teaching-learning process and curriculum.

The college academic committee plays a significant role in imparting quality education and also refines it time to time, for attaining an optimum best Program Outcome (PO) with well structured Program Educational Objectives (PEO's) in accordance to improve and sustain the quality policy.

Documents of Academic Committee are prepared with main focus in improving student's knowledge and practice of pharmacy with global standards and also to improve writing skills, communication skills through seminars, establishing team work and leadership qualities by projects and also get updated with recent advancements.

During the meeting with all department head, college academic committee comes with the academic calendar and syllabus obtained from the affiliating university, and insists the course in-charges and programme in-charges, head of department to refine the PO's and PEO's further and justify its correlation with curriculum, by framing the scope of each subjects.

The programme/course in-charges are directed to prepare the time table of all programmes at various degree levels and to design a academic planner for syllabus completion based on number of weeks (of theory/practicals/tutorials) in accordance with syllabus. Further, college academic committee conducts meeting with all faculties of the institute were details regarding

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their work time table, department time table is issued. Faculties are directed to handle classes as per the academic planner, which encompasses of all basic details regarding: course description, course of study, stipulated hours and planned hours of teaching, tutorials, credits, examination particulars (its mode/eligibility of appearance by students / student attendance), evaluation process, programme outcomes / programme educational objectives / course outcomes, and mode of teaching - learning process.

During the meeting a panel discussion on suggestions pertaining to teaching-learning process is obtained and further incorporated for attaining better quality policy, mission and vision of the institution.

Documents to be maintained by all faculties as directed by college academic committee are being maintained for all admitted batches.

Doc. 01: Academic calendar

Doc. 02: Academic planner

Doc. 03: Structured lesson plan

Doc. 04: Time table of individual faculty

Doc. 05: Students attendance

Doc. 06: Particulars of marks obtained by students on each term of examination

Doc. 07: Assignments particulars submitted by students

Doc. 08: Particulars of beyond the syllabus taught

Doc. 09: Demo classes particulars.

Doc. 10: Seminars taken by students

Doc. 11: Tutorials particulars

Doc. 12: Projects guided

Doc. 13: Presentations (Journal club/Drug club/Case presentations).

2.3.2 Does the institution provides course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

YES, the institution provides course objectives and correlates it with assessed course outcomes attained.

Summative/formal assessment (course evaluation) is the direct assessment tool practiced once yearly, where the students are given a standardized test or examination, to evaluate the

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students at particular point of time, whether they have met the course goal or the learning outcome.

Course outcome evaluation grouped under 06 categories:

1. Final examination
2. Tests/internal examination
3. Quizzes
4. Assignments
5. Project

A listing and description of the assessment processes used to gather the data upon which the evaluation of each the programme educational objective is based reflected from attainment of course outcome. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, senior project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee; the frequency with which these assessment processes are carried out.

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

No.

The institution as a well structured and dynamic college academic committee whose systematic approach defines and satisfies the curricula and students expectations.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

Raghavendra Institute of Pharmaceutical Education and Research has always believed in the spirit of academic excellence and commitment to high quality education. The institution teaching-learning process is well defined and student centric.

1. Generation of self-learning facilities and availability of materials for learning beyond syllabus is provided.

- Applied science related journals
- Books for MCQ, GRE, TOEFL examinations
- White board in the corridor Pharma News exclusively for current updates

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- Guest lectures from R&D
- Video CD collections and Audio-Visual Room

2. Scope of self learning in the institution

- Journals related to other than pharmacy
- Competitive examinations guidance
- Seminars and workshops
- Guest lectures from Industry

3. Provision of Tutorial classes in academic time table

4. Student mentorship system

5. Student peer assessment and discussion

6. Preceptorship

7. Internship training

2.3.5 What is the institution's policy on inviting experts / people of eminence to augment teaching-learning activities?

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

2.3.6 Does the institution formally encourage learning by using e-learning resources?

Yes.

- | | |
|---|----------------|
| ▪ Internet Service Facilities | Yes |
| ▪ Name of the Internet provider | BSNL Broadband |
| ▪ Available bandwidth | 1 Mbps |
| ▪ Access speed | 0.60 Mbps |
| ▪ Availability of Internet in an exclusive lab | YES |
| ▪ Availability in most computing labs | YES |
| ▪ Availability in departments and other units | YES - Wi-Fi |
| ▪ Availability in faculty rooms | Wi-Fi |
| ▪ Institute's own e-mail facility to faculty/students | No |
| ▪ Security/privacy to e-mail/Internet users | No |
| ▪ E-library is made available to students and faculty to browse various journals and books. | |

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2.3.7 What are the technologies and facilities such as virtual laboratories,

- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software's (QbD and Clinical Pharmacology)
- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the institution's educational processes?

YES

Table. 20 The institution has a Research Review Committee.

| | | |
|---------------------------|-------------------|-------------------------|
| Research Review committee | Chair person | Dr. Y. Padmanabha Reddy |
| | Co-chairman | Dr. J. Raveendra Reddy |
| | Research Director | Dr. P. Ramalingam |
| | Member | Dr. M. V. Jyothi |
| | Member | Dr. C. Sowmya |

2.3.9 What steps has the institution taken to transition from traditional classrooms into an e-learning environment?

- Smart board teaching methodology is made available in audio visual room.
- Students are encouraged to access the internet for various topics on the basis of the key words written down in each class.

2.3.10 Is there provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

YES.

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2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

The institution encourages students to write scientific papers and reviews of study to encourage their creativity and scientific temper and publishes it in the institutional publications of division of pharmacy practice ISPOR – RIPER – PDIC BULLETIN and division of centre for pharmaceutical research Chemistry News Letter.

The institution also encourages students to publish their project work in reputed journals as original research article.

2.3.13 Does the institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

YES, the institution makes it mandatory for carrying out projects within students in learning process as per syllabus of programme framed by the affiliating university JNTUA and statutory bodies of ACITE and PCI. According to which the students of following programs perform project work under the guidance of allotted faculties:

B. Pharmacy

M. Pharmacy

Pharm. D

Pharm. D (Post bacalaureate)

For which, the institution has made MoU with reputed pharmaceutical industries and healthcare organization set up.

- Waksman Selman Pharmaceutical Pvt. Ltd, Anantapuramu.
- Rexer Pharma Pvt Ltd, Hyderabad
- AIMEX Pharma, Hyderabad.
- M/s Pellets Pharma Ltd, Medak
- Trimurthy formulations Pvt Ltd, Hyderabad
- RA Chem Pharma Ltd, Hyderabad
- The institution has made a MoU with a Spain based secondary care referral hospital, in Bathalapalli, Andhra Pradesh, for Pharm. D and pharmacy practice students for carrying out their projects and advanced clinical pharmacy practice training.
- Other collaboration includes with Fortis Healthcare Limited, Mulund, Mumbai and Bangalore for training Pharm. D students.

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Role of Faculty towards student projects in learning process

- The students of UG and PG levels are designated under faculties of the respective department through a lot system.
- The faculties ask the students about their research areas and search for the availability of study site, and moves with a concern.
- The students are directed by faculties to collect and make an extensive literature survey about the studies and design the profoma.
- The profoma of the entire study is designed and with a letter of requisition from head of institute the profoma is submitted to head of study site for acknowledgement.
- Once the authority signature on approval of permission is granted, the institutional ethical committee and research review committee officially process the study with IEC codes and the project is started at the mentioned time.
- Through the whole process students are given immense guidance and faculty members monitor all the development of projects periodically and the projects are submitted within the stipulated time.

2.3.14 Does the institution have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

YES.

The institution has sufficient faculty members (human resource) to meet the requirements of the curriculum and also the institute invites guest faculties/resource persons on regular intervals through which the students and faculties may better interact and moves to the next level of teaching-learning process.

2.3.15 How are the faculty enabled to prepare computer-aided teaching / learning materials?

What are the facilities available in the institution for such efforts?

- Computers with internet facilities are available in the library and the departments which can be accessed by all the staff members.
- Educational software, CDs and DVDs in the library augment the teaching learning materials.
- Smart board teaching facilities are available in PG class rooms.

2.3.16 Does the institution have a mechanism for the evaluation of teachers by the students alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

The institution has a good alumni framework, for which a committee is established, whose inputs are very useful in designing curriculum, placements, resource person, feedback on teaching-learning process, scenario of pharmaceutical industries, R & D, Healthcare etc.

The institution has process of surveying alumni's suggestion about the institution which is an indirect tool of assessment of programme outcomes and teaching-learning process conducted every year (two years after the graduation) under the supervision of alumni cell coordinator, which involves collection of a wide variety of information about programmes satisfaction, how well students are prepared for their careers, what types of jobs or graduate degrees majors have gone on to obtain, and the skills that are needed to succeed in the job market or in graduate study, 3 years after the graduation. Provide the information opportunity to collect data on which areas of the programme should be changed, altered, improved or expanded.

The institution develops a pattern of rules, regulations and promotion policies for faculties, to develop and reinforce positive behavioural patterns in students. Below are some guidelines that will help to develop such patterns to be strictly followed by faculty team:

- Treat students in a fair and non- discriminatory fashion at all times.
- Consider the age and needs of all students.
- Develop activities that show positive behavior.
- Praise positive behavior, efforts and work done.

Faculty Recruitment Policies

- Faculty qualification and experience is based on the requirement of AICTE, PCI and the affiliating body
- Notification for faculty will be proceeded through new paper or notified in website
- Pay scale as per AICTE norms
- Staff selection will be based on
- Committee consists of Principal, Head of particular specialization and two senior faculties.
- Feedback from student on Demo class
- Appoint will be issued by the Secretary and correspondent / Principal

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- Faculty will be recruited under permanent / except for visiting faculty
- After Two years of experience, in our institute / or based on the profile, faculty member may be ratified by the University.
- Increment / incentives will be provided based on appraisal report by the principal, academic performance. The level of increment may vary from time to time.
- Faculty will be terminated in any criminal offence /not satisfactory academic report continuously for Two years / indirect involvement in germination of violence / activity against college / society.

Promotional Policies

- Promotion of a faculty is based on AICTE Norms, If necessary, the management would decide the promotion of faculty, based on the competency, research publications, to meet the faculty cadre ratio.

2.3.17 Does the institution use telemedicine facilities for teaching-learning processes? If yes, cite a few instances.

NO

2.3.18 Does the institution utilize any of the following innovations in its teaching-learning processes?

The institution has follows' innovative teaching-learning process like:

- Reflective learning: The class room lectures/theory classes, presentations, tutorials and subject seminars involve reflective learning
- Simulations: Used in clinical case studies and animal experiments.
- Evidence based medicine: Medical/department library has varieties of textbooks, journals and data base to support evidence based medicine practice in the hospital.
- Problem based learning (PBL): All the clinical case study presentations by the students are problem based Learning practices.
- Student assisted teaching (SAT): Selected Pharm. D and Pharm. D (Post bacca laurate) V/VI and M. Pharm II year students are assigned the responsibilities of conducting undergraduate practical classes, seminars, journal club presentation, drug club presentation, case presentation under the supervision of faculty members.

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- Self directed learning and skills development (SDL): Students are encouraged to learn the theoretical backgrounds of practicals to be conducted and correlate the same with the actual conduct of practicals. This concept helps them to know the importance of the procedure being adopted for the conduct of practicals which in turn helps them in the development of skills.
- Drug and poison information assistance centre.
- Hospital Pharmacy practice department provides information regarding drug and poison to medicos and non-medicos on the basis of request and assists in dispensing of medications.

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

The institution offers Pharm. D and Pharm. D programme and M. Pharmacy Practice under the division of pharmacy practice empanelled with RDT Hospitals for clinical pharmacy training where for rendering patient care with pharmacist centred patient cares services and follow up, the department of pharmacy practice in RDT hospitals have Medical Record Facility, handled by the hospital in-charge of the department.

2.3.20 Does the institution have well documented procedures for case sheet writing, obtaining informed consent and the discharge process of the patients?

YES

The institution offers Pharm. D and Pharm. D programme and M. Pharmacy Practice under the division of pharmacy practice empanelled with RDT Hospitals for clinical pharmacy training where for rendering effective patient care with pharmacist centred patient cares services and follow-up, the department has a well structured and systemised documentation forms:

- Patient profile form.
- Medication history interview form.
- Treatment chart review form.
- Drug information services form.
- Medication therapy management form.
- ADR reporting form.
- Daily activity form.
- Monthly activity form.

2.3.21 Does the institution produce videos of clinical cases and use them for teaching-learning processes?

YES

2.3.22 Does the institution perform medico legal/post-mortem procedures with a view to train the undergraduate and post-graduate students in medico legal procedures?

NO

2.3.23 Does the institution has drug and poison information and poison detection centres?

How are these used to train the students?

YES.

The division of pharmacy practice has a RIPER - Poison and Drug Information Centre (PDIC) established at Spain based Secondary care referral hospital - Rural Development Trust (RDT) in Anantapuramu, Andhra Pradesh., India.

The PDIC plays a significant role in hospital setting by providing information to healthcare professionals, and regularly update healthcare professionals about recent developments medicine and research.

The students of Pharm. D programme plays an imperative role in answering drug information queries of healthcare professionals with help of Clinical Pharmacology software, by which their knowledge on computer savvy and the process of searching of resources improves.

2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre /clinical pharmacy facility / drug information centre/Centre for disease surveillance and control/ Prevention through Yoga/Promotion of positive health/Well-equipped Psychology Laboratory/ Naturopathic diagnostic centre, etc.?

Yes.

The institution as a well structured facilities utilized by all the students in the areas of pharmacovigilance, toxicology, clinical pharmacy, drug information, centre for disease surveillance through a dedicated division of pharmacy practice.

2.3.25 Laboratories / Diagnostics

How is the student's learning process in the laboratories / diagnostics monitored?

The institution offers a good and well established laboratories and instrumentation room, utilized by various departments, the laboratories of maintained with help of in-charges and assistants. The ratio of student staff ratio is well designed by making students as batches.

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2.3.26 How many procedures / clinical cases / surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfill learning objectives?

Minimum of 15 clinical cases per clinical subject are observed, assisted, performed with the teaching preceptor's assistance and carried out independently by students for their case presentation requirement.

2.3.27 Does the institution provide patients with information on complementary an alternative systems of Medicine?

NO, only Allopathic system of medicine is practiced.

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

Teaching-learning process promoted in clinical setting is of global standards in the institution, which is followed in steps:

Ward round participation

Treatment chart reviews

Medication history interview

Patient counseling

Providing drug information's

Providing poison information's

Case discussion with preceptor

Case presentation

Journal club presentation

Drug club presentation

Carrying out clinical research work under the guidance of preceptors

Designing of pharmacotherapy plan

Assisting interventions

Assisting in dosage adjustment

Medication therapy management services: like drug interactions, adverse drug reactions, side effects of drug.

2.3.29 Do students maintain log books of their teaching-learning activities?

YES, a log book for the daily activity is maintained for each clinical subject pertaining to the bedside teaching and the students are directed to submit their monthly reports for each ward posted as clerkship report and internship report.

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2.3.30 Is there a structured mechanism for post graduate teaching-learning process?

YES.

The institute taught the syllabus prescribed by the affiliating university JNTUA and the statutory bodies PCI and AICTE. The teaching-learning process followed are:

- Reflective learning: The class room lectures/theory classes, presentations, tutorials and subject seminars involve reflective learning
- Simulations: Used in clinical case studies and animal experiments.
- Evidence based medicine: Medical/department library has varieties of textbooks, journals and data base to support evidence based medicine practice in the hospital.
- Problem based learning (PBL): All the clinical case study presentations by the students are problem based Learning practices.
- Student assisted teaching (SAT): Selected Pharm. D and Pharm. D (Post bacallaureate) V/VI and M. Pharm II year students are assigned the responsibilities of conducting undergraduate practical classes, seminars, journal club presentation, drug club presentation, case presentation under the supervision of faculty members.
- Self directed learning and skills development (SDL): Students are encouraged to learn the theoretical backgrounds of practicals to be conducted and correlate the same with the actual conduct of practicals. This concept helps them to know the importance of the procedure being adopted for the conduct of practicals which in turn helps them in the development of skills.

2.3.31 Provide the following details about each of the teaching programs.

Table. 21 Number of lectures per course – B. Pharmacy programme

| S. no | Course Title | Total number of contact hours | | | |
|-------|---|-------------------------------|----------|-----|-------|
| | | Theory | Tutorial | Lab | Total |
| 1 | Remedial Mathematics (for Bi P.C stream) | 3 | 1 | -- | 4 |
| 2 | Remedial Biology (for M.P.C stream) | 2 | 1 | 2 | 5 |
| 3 | English | 3 | -- | -- | 3 |
| 4 | Dispensing and hospital pharmacy | 3 | 1 | 3 | 7 |
| 5 | Pharmaceutical inorganic chemistry | 3 | -- | 3 | 6 |
| 6 | Pharmaceutical organic chemistry I | 3 | 1 | 3 | 7 |
| 7 | Anatomy, physiology and health education | 3 | 1 | 3 | 7 |
| 8 | Statistical methods & computer applications | 4 | -- | 3 | 7 |
| 9 | Pharmaceutical engineering I | 4 | -- | -- | 4 |

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| | | | | | |
|----|---|----|----|----|---|
| 10 | Pharmaceutical organic chemistry II | 4 | -- | 3 | 7 |
| 11 | Physical pharmacy I | 4 | -- | 3 | 7 |
| 12 | Anatomy, physiology and pathophysiology | 4 | -- | 3 | 7 |
| 13 | Environmental studies | 4 | -- | -- | 4 |
| 14 | Pharmaceutical engineering II | 4 | -- | 3 | 7 |
| 15 | Pharmaceutical analysis I | 4 | -- | 3 | 7 |
| 16 | Pharmacognosy I | 4 | -- | 3 | 7 |
| 17 | Physical pharmacy II | 4 | -- | 3 | 7 |
| 18 | Pharmaceutical biochemistry | 4 | -- | 3 | 7 |
| 19 | Pharmaceutical microbiology | 4 | -- | 3 | 7 |
| 20 | Pharmacognosy II | 4 | -- | 3 | 7 |
| 21 | Pharmaceutical technology I | 4 | -- | 3 | 7 |
| 22 | Pharmacology I | 4 | -- | -- | 4 |
| 23 | Medicinal chemistry I | 4 | -- | 3 | 7 |
| 24 | Pharmaceutical technology II | 4 | -- | 3 | 7 |
| 25 | Pharmacology II | 4 | -- | 3 | 7 |
| 26 | Chemistry of natural drugs | 4 | -- | 3 | 7 |
| 27 | Pharmaceutical jurisprudence | 3 | -- | -- | 3 |
| 28 | Advanced communication skills laboratory | -- | -- | 3 | 3 |
| 29 | Pharmaceutical analysis II | 4 | -- | 3 | 7 |
| 30 | Biopharmaceutics and pharmacokinetics | 3 | -- | 3 | 6 |
| 31 | Pharmacology III | 4 | -- | 3 | 7 |
| 32 | Medicinal chemistry II | 4 | -- | 3 | 7 |
| 33 | Pharmacy administration | 3 | -- | -- | 3 |
| 34 | Novel drug delivery system and regulatory affairs | 3 | -- | 3 | 6 |
| 35 | Pharmaceutical biotechnology | 3 | -- | 3 | 6 |
| 36 | Medicinal chemistry III | 3 | -- | 3 | 6 |
| 37 | Pharmacognosy III | 3 | -- | 3 | 6 |
| 38 | Clinical pharmacy and therapeutics | 4 | -- | -- | 4 |

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Table. 22 Number of lectures per course - (Pharm. D) Doctor of Pharmacy Programme

| S. no | Course Title | Total number of contact hours | | | |
|-------|---|-------------------------------|-----|----------|-------|
| | | Theory | Lab | Tutorial | Total |
| 1 | Human Anatomy & Physiology | 3 | 3 | 1 | 7 |
| 2 | Pharmaceutics | 2 | 3 | 1 | 6 |
| 3 | Medicinal Biochemistry | 3 | 3 | 1 | 7 |
| 4 | Pharmaceutical Organic Chemistry | 3 | 3 | 1 | 7 |
| 5 | Pharmaceutical Inorganic Chemistry | 2 | 3 | 1 | 6 |
| 6 | Remedial Mathematics /Remedial Biology* | 3 | 3* | 1 | 7 |
| 7 | Pathophysiology | 3 | - | 1 | 4 |
| 8 | Pharmaceutical Microbiology | 3 | 3 | 1 | 7 |
| 9 | Pharmacognosy & Phytopharmaceuticals | 3 | 3 | 1 | 7 |
| 10 | Pharmacology I | 3 | - | 1 | 4 |
| 11 | Community Pharmacy | 2 | - | 1 | 3 |
| 12 | Pharmacotherapeutics I | 3 | 3 | 1 | 7 |
| 13 | Pharmacology II | 3 | 3 | 1 | 7 |
| 14 | Pharmaceutical Analysis | 3 | 3 | 1 | 7 |
| 15 | Pharmacotherapeutics II | 3 | 3 | 1 | 7 |
| 16 | Pharmaceutical Jurisprudence | 2 | - | - | 2 |
| 17 | Medicinal Chemistry | 3 | 3 | 1 | 7 |
| 18 | Pharmaceutical Formulations | 2 | 3 | 1 | 6 |
| 19 | Pharmacotherapeutics III | 3 | 3 | 1 | 7 |
| 20 | Hospital Pharmacy | 2 | 3 | 1 | 6 |
| 21 | Clinical Pharmacy | 3 | 3 | 1 | 7 |
| 22 | Biostatistics & Research Methodology | 2 | - | 1 | 3 |
| 23 | Biopharmaceutics & Pharmacokinetics | 3 | 3 | 1 | 7 |
| 24 | Clinical Toxicology | 2 | - | 1 | 3 |
| 25 | Clinical Research | 3 | - | 1 | 4 |
| 26 | Pharmacoepidemiology & Pharmacoeconomics | 3 | - | 1 | 4 |
| 27 | Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring | 2 | - | 1 | 3 |

*Clerkship / Project (06 months) - 20 Hrs / week.

2.4 Teaching Quality

2.4.1 How does the institution plan and facilitate its faculty to meet the changing requirements of the curriculum?

The college academic committee, during every academic meeting distributes the syllabus obtained from the affiliating university, and directs them to prepare the learning teaching objectives of their respective faculty members, and are asked to prepare academic planner, lesson plan, and the college academic committee hears the faculty for the optimum good resources of learning and make it available at the earliest to faculties.

2.4.2 Does the institution encourage diversity in its faculty recruitment?

YES, the institution encourages diversity in its faculty recruitment.

2.4.3. How does the institution ensure that qualified faculty are appointed for new programs / emerging areas of study? How many faculty members were appointed to teach new programs during the last four years?

Mode of Selection of Teachers

Step 01 Department insists the management (Principal) regarding the requirement of Faculty position to be filled / vacant.

Step 02 Management (Principal) officially conveys to the University regarding the vacancy to be filled and the eligibility criteria for the post

Step 03 Management advertises the notification as issued by the university in at least two news papers. (clearly mentioning about eligibility, deadline of submission of documents, and contact information of the institute)

step 04 Interview call will be intimated to person.

Step 05 Applicant during interview will be evaluated based on his / her performance in Demo classes (regarding content of delivery, communication skills and knowledge in subject) will be by a team of College Academic Committee members and further appointment be made by their valuable feedback.

Step 06 Ratification of appointed faculty be done by 02 senior experts from different universities / Registrar / Head Centre for Academic & Planning.

In the last four years 11 faculties were appointed to teach new programs.

2.4.4 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the institution?

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Five visiting faculty members are on the rolls for advanced learning in the field of pharmaceutical sciences and research, regulatory affairs, intellectual property rights, clinical pharmacy, biostatistics and research methodology.

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers? (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

The Management assists the Institution in all aspects both morally and financially, with prime objective on quality and advancement in learning, evidence based teaching, practice and research. The Management of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) supports the institution in various facets:

- Laboratory chemicals and Equipments
- Software
- Additional facility and maintenance
- Organizing Workshops / Seminars / Symposium in collaboration with International & National Educational Bodies & Industries
- Inviting Guest speakers / Visiting faculty of expertise in respective fields.
- Assistantship of Faculties for Orientation programme / Faculty Development Programme
- Assisting overseas visit for research presentations
- Books and journals
- New facilities
- Transportations
- Affiliation and approval fees

Table. 23 Summary of budget and the actual expenditure incurred exclusively for the institution for three previous financial years.

| Items | Budgeted | Actual expenses | Budgeted | Actual expenses | Budgeted | Actual expenses |
|-------------------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | 2014 - 2013 | | 2013 - 2012 | | 2012 - 2011 | |
| Infrastructure built-up | 650000 | 600000 | 650000 | 5027856 | 650000 | 6018686 |
| Library | 650000 | 600000 | 650000 | 589087 | 650000 | 602239 |
| Laboratory equipment | 550000 | 500000 | 550000 | 410139 | 550000 | 1199358 |
| Laboratory | 1100000 | 100000 | 1100000 | 931122 | 1100000 | 1672607 |

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| | | | | | | |
|--|----------|----------|----------|----------|----------|----------|
| consumables | | | | | | |
| Teaching & Non-teaching faculty salary | 17000000 | 16000000 | 17000000 | 14445417 | 17000000 | 13075155 |
| R & D | 1200000 | 1000000 | 1200000 | 1200000 | 1200000 | 800000 |
| Training & travel | 1500000 | 1000000 | 1500000 | 1426142 | 1500000 | 757524 |
| Total | 22650000 | 20700000 | 22650000 | 24029763 | 22650000 | 24125569 |

Table. 24 Inviting Guest speakers / Visiting faculty of expertise in respective fields

| S. No | Speaker Particulars | Topics Delivered | Target Audience |
|-------|---|--|------------------------------------|
| 01 | Mr. M. VenkataRao Associate Professor, Tirupathi | Colloidal dispersion with NDDS | GPAT students |
| 02 | Dr.Maruthi Prasad, Head Ascenthra Health Technologies, U S A | Medication Adherence & Compliance | Pharm. D students |
| 03 | Dr. P. Ramalingam, Professor & In-Charge, Dept of PA & QA, RIPER. | Regulatory Aspects in U A E | M. Pharm & Pharm. D students |
| 04 | Dr. P. Ramalingam, Professor & In-Charge, Dept of PA & QA, RIPER. | N M R & interpretations | M. Pharm students |
| 05 | Mr.Prasanna Kumar, Reliance Pharmaceuticals | Widening career opportunities in Pharmacy | B. Pharmacy & M. Pharmacy students |
| 06 | Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSr, Vijayawada, A. P | Assessment of Medication Related Problems | Pharm. D students |
| 07 | Dr. Abdul Roof, Senior Scientists, Novartis, Hyderabad | A N S | B. Pharmacy & M. Pharmacy students |
| 08 | Dr. M. Sudhakar, Professor & Principal, MRCP, Hyderabad | Tablets, Capsules, Parenterals | B. Pharmacy students |
| 09 | Mr.Uperdranath, Avant Sante, Hyderabad | Career opportunities - Pharmacy profession | B. Pharmacy students |
| 10 | Mr. K. Naidu, Lecturer, SGPR, Govt Polytechnic College, Kurnool | Organic chemistry | GPAT students |
| 11 | Mr. M. VenkataRao Associate Professor, Tirupathi | Complexation, H L B | GPAT students |
| 12 | Mr.Hari Hara Teja, Drug Inspector, Ananthapuramu | Mass Spectroscopy | M. Pharmacy & B. Pharmacy students |
| 13 | Mr. J. P. Yanadayya, Fathima College of Pharmacy, Cuddapah | Fundamentals of Alkaloids, Glycoside | B. Pharmacy students |
| 14 | Mr.Hari Hara Teja, Drug Inspector, Ananthapuramu | I R - Spectroscopy | M. Pharmacy & B. Pharmacy students |
| 15 | Dr. Gopal Rao, Vice Principal, COP, SRIPMS, Coimbatore, Tamil Nadu | Concepts in NDDS | B. Pharmacy & M. Pharmacy students |
| 16 | Dr. Prameela Rani, Prof & Principal, | Principles of | M. Pharmacy & B. |

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| | | | |
|----|--|---|---|
| | A N U, Guntur | Pharmacokinetics | Pharmacy students |
| 17 | Dr. Sharma, Retd. Professor, S K U | Hypothesis testing | Pharm. D students |
| 18 | Dr. Gopal Rao, Vice Principal, COP, SRIPMS, Coimbatore, Tamil Nadu | Drug discovery & development process | B. Pharmacy & M. Pharmacy students |
| 19 | Dr. Sharma, Retd. Professor, S K U | Report writing | Pharm. D students |
| 20 | Dr. Sharma, Retd. Professor, S K U | Hypothesis testing | Pharm. D students |
| 21 | Dr. Sharma, Retd. Professor, S K U | Sampling techniques | Pharm. D students |
| 22 | Dr. Sharma, Retd. Professor, S K U | Research & its Objectives | Pharm. D students |
| 23 | Dr. Sharma, Retd. Professor, S K U | Research methodology | Pharm. D students |
| 24 | Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad | Analytical method Validation & Stability | B. Pharmacy & M. Pharmacy students |
| 25 | Jagadeewara Reddy, Drug safety officer, Lupin Ltd., Mumbai | Clinical Trials & Pharmacovigilance | Pharm. D, B. Pharmacy & M. Pharmacy students |
| 26 | Dr. Anil Kumar, CEO, Bio Axis DNA Research Centre Pvt Ltd | Basics of Bio-Informatics | Pharm. D, B. Pharmacy & M. Pharmacy students |
| 27 | Dr. Sateesh. Rph USA, Dean & Associate Professor, Vignan College of Pharmacy | Advancement in Pharmacy Profession across the world | Pharm. D, students |
| 28 | Dr. Rajan Shukla, Assoc Professor, IIPH, Hyderabad | Pharmacoeconomics in India | Pharm. D, students |
| 29 | Dr. David Danko, Research Leader, Corvinus University, Hungary | Pharmacoeconomics in Europe & Asia | Pharm. D, students |
| 30 | Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd | Application of Biostatistics in Research studies | Pharm. D, B. Pharmacy & M. Pharmacy students |
| 31 | Mr. Chandra Shekar, Corporate Trainer, Bangalore | Personality Development | Pharm. D, B. Pharmacy & M. Pharmacy students & staffs |

Assistantship of Faculties for Orientation programme / Faculty Development Programme & Assisting overseas visit for research presentations

1. Dr. E. Vigneshwaran , Associate Professor of RIPER , attended 03day training programme in Faculty Development Programme conducted by JSS University, Mysore, in Association with Indian Association of College of Pharmacy (IACP) on 15th to 17th Sep - 2014

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2. Dr. E. Vigneshwaran, Associate Professor of RIPER, attended ISPOR 6th Asia Pacific Congress international conference in Beijing International convention centre, Beijing, China on 6th to 9th Sep - 2014.
3. Dr.Y.Padmanabha Reddy, Professor & Principal of RIPER attended 74th FIP World Congress of Pharmacy and Pharmaceutical Sciences – 2014 *Bangkok, Thailand on 31st August to 4 September 2014*, with the theme of “Pharmacists – Ensuring access to health Exploring our impact on providing medicines, care and information
4. Dr. Y. Samhitha Reddy, Assistant professor of RIPER attended 74th FIP World Congress of Pharmacy and Pharmaceutical Sciences – 2014 *Bangkok, Thailand on 31st August to 4 September 2014*, with the theme of “Pharmacists – Ensuring access to health Exploring our impact on providing medicines, care and information and presented her research paper entitled *“Impact of patient counseling on mindful attention and stress in cancer patients”*.”
5. Mr. A. Sanjeeva Kumar, Assistant Professor, attended two day on national seminar on scope and prospective on industry-institution interaction held at Sree Vidyanikethan College of pharmacy, Tirupathi 20th and 21st September-2014.
6. Mr. A. Nagarjuna, Assistant Professor, attended two day on national seminar on scope and prospective on industry-institution interaction held at Sree Vidyanikethan College of pharmacy, Tirupathi 20th and 21st September-2014.
7. Dr. Mohan Raj Rathinavelu, Assistant Professor of RIPER, participated as delegate in Indian Congress of Pharmacy practice – 2014 and Inaugural Convention of the Indian Association of Colleges of Pharmacy (IACP), 21st to 22nd Feb-2014.
8. 30 Pharm. D students of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) attended a three day International conference held at Hyderabad, India by OMICS group on Pharmacovigilance and drug safety on September 2014.
9. Mrs. Seeba Zachariah, Associate Professor of RIPER, attended one month (International Pharmaceutical Federation) FIP – Pharmabridge at Europe in Aug – 2012.
10. Dr.Y.Padmanabha Reddy Principal & Mr. Dixon Thomas Associate Professor attended (International Society for Pharmacoeconomics& Outcomes Research) ISPOR Asia-Pacific Conference at Taipei, China Sep 2012.

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11. 70 students and 3 faculty members had attended “Indian Congress on pharmacy graduates Nov-2012” at Chennai.
12. Dr.Y.Padmanabha Reddy Principal & Mr. Dixon Thomas Associate Professor along with two Pharm D Students attended (International Pharmaceutical Federation) FIP Conference at Netherlands in Nov- 2012

Making fruitful Expenditures on purchase of Laboratory equipments& books / journals.

1. HPLC - Elico make was procured to improve research facilities in Pharmaceutics Department.
2. Flash Chromatogram, Brookfield Viscometer, UV - Vis double beam Spectrophotometer (Shimadzu).
3. GC-FID, Rotary Evaporator, Disso Apparatus, Diffusion cell, BOD incubator, Homogenizers.
4. Clinical Pharmacology Database of Dept of Pharmacy Practice renewal made every year from 2008 update.

Extent of freedom enjoyed by the staff for advanced scholarships, research and experimentation and involvement in educational innovation and reforms

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.
2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.
3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

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4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.
5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.
6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.
7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.
8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc
9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

Table. 25 Funded R & D Projects and Consultancy Work (FRDC)

| S. No | Title of Project | Funded By | Year | Amount Sanctioned | Investigator & Co-Investigator |
|-------|--|-----------|------|-------------------|---|
| 01 | Design, fabrication and evaluation of controlled delivery systems using modified natural polymers for anti diabetic therapy | AICTE | 2013 | 10.05 Lakhs | Dr. C. Sowmya Y. Dr. Padmanabha Reddy |
| 02 | Development of Natural and Semi Synthetic Lead Molecules and their Formulation in Tuberculosis | AICTE | 2012 | 10.65 Lakhs | Dr. Y. Padmanabha Reddy Dr. P. Ramalingam |
| 03 | Design, Fabrication and Evaluation of Controlled Drug Delivery Systems using Modified Natural Polymers for Anti-Diabetic Therapy | AICTE | 2013 | 8.4 Lakhs | Dr. C. Sowmya Y. Dr. Padmanabha Reddy |

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Table. 26 University Grant Commission (UGC) - Research Proposals Submitted - 2014

| S. No | Principal Investigator | MRP ID - 2014 | Title |
|-------|-------------------------|---------------------------|--|
| 01 | Dr. Y. Padmanabha Reddy | MRP-MAJOR-PHAR-2014-60968 | Design, development and efficacy evaluation of polyherbal oral formulations for diabetes mellitus |
| 02 | Dr. J. Raveendra Reddy | MRP-MAJOR-PHAR-2014-64549 | Development of standardization protocol and efficiency evaluation procedure for existing herbal formulations |
| 03 | Dr. P. Ramalingam | MRP-MAJOR-PHAR-2014-60969 | Identification, isolation and evaluation of natural lead molecules from Indian plant origin for the treatment multi-drug resistant tuberculosis (MDR-TB) |
| 04 | Dr. C. Sowmya | MRP-MAJOR-PHAR-2014-61889 | Oral targeted delivery of natural Anti cancer drugs: Formulation optimization, characterization and functionality evaluation of drug loaded Nanoparticles. |
| 05 | Dr. M.V. Jyothi | MRP-MAJOR-PHAR-2014-62068 | Isolation, characterization and screening of natural and semi synthetic leads for colon cancer |
| 06 | Dr. E. Vigneshwaran | MRP-MAJOR-PHAR-2014-65293 | Knowledge, practice and attitude towards generic medicines among practising community pharmacists in Rayalaseema region - A Cross Sectional Study |
| 07 | Dr. M. Jaffar | MRP-MAJOR-PHAR-2014-70744 | Investigation of seeds of Nigella species for its anticancer potency. |

Table. 27 All India Council for Technical Education Research Proposals Submitted 2014

| S. No | Name of the Investigator | AQIS Application ID | AQIS Schemes | Faculty ID |
|-------|--------------------------|---------------------|--------------|-------------|
| 01 | Dr. Y. Padmanabha Reddy | 1-1940064071 | MODROBS | 1-465028693 |
| 02 | Dr. J. Raveendra | 1-12058108133 | MODROBS | 1-465028697 |

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| | | | | |
|----|--------------------|--------------|-----|-------------|
| | Reddy | | | |
| 03 | Dr. P. Ramalingam | 1-1940064075 | RPS | 1-462441812 |
| 05 | Dr. M.V. Jyothi | 1-1960981911 | FDP | 1-463279195 |
| 06 | Mrs. M. Geethavani | 1-1940064078 | FDP | 1-463279159 |

Leave Policies in RIPER

- Maternity Leave

The Management of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) have leave policies which always favors the staff (teaching & non-teaching) in terms of health apart from education, for which duration of 06 months will be provided for the female faculty as maternity leave.

- Permission per week: Faculties in RIPER have 01 permissions per week, totally 04 a month.
- Casual Leaves 18 a year.
- Vacation in RIPER Summer vacation in May for 03 weeks, and in winter for dhashara and sankranthi.

2.4.6 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

1. Dr. C. Sowmya Reddy, Assoc Professor and Head, Division of Pharmaceutics was awarded as BEST PHARMACIST AWARD for her contribution in teaching and research process by Education Division of Indian Pharmaceutical Association (IPA) Anantapuramu Local Branch, during the World Pharmacists Day 25 September 2015.
2. Dr. Y. Padmanabha Reddy, Professor and Principal, Principal, Raghavendra Institute of Pharmaceutical Education & Research, Andhra Pradesh was awarded as Best DIRECTOR / PRINCIPAL BY EDUCATION EXPO TV (EET CRS) - FACULTY BRANDING AWARDS 2014.
3. Raghavendra Institute of Pharmaceutical Education & Research - RIPER was awarded with BEST PRIVATE PHARMACEUTICAL INSTITUTE IN ANDHRA PRADESH, by EDUCATION EXCELLENCE AWARD 2013 - ONE PLANET RESEARCH
4. (Indo - Italian Research Center).

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2.4.7 How many faculties underwent professional development programs during the last four years? (add any other program if necessary)

Table. 28 Faculties underwent professional development programmes during the last four years

| Name of the faculty | Participation Particulars | Title of the programme | Year |
|-------------------------|--|---|---------|
| Dr. Y. Padmanabha Reddy | Scientific Presentation | FIP Annual Congress 2014 - 30 th - 3 rd August, Bangkok, Access to Medicines and Healthcare | 2014 |
| | Delegate | International Pharmaceutical Federation (FIP) Conference at Netherlands in Nov- 2012. | 2012 |
| | Delegate | International Society for Pharmacoeconomics & Outcomes Research (ISPOR) Asia-Pacific Conference at Taipei, China Sep 2012 | 2012 |
| | Resource Person | Staff development programme Chalapathi Institute of Pharmaceutical Sciences | 2012 |
| | Scientific Committee Evaluator | Indian pharmaceutical congress , Indian Pharmaceutical Association | 2012 |
| | Scientific Committee Evaluator | Indian pharmaceutical congress , Indian Pharmaceutical Association | 2011 |
| | Co-Chairman & Scientific Committee Evaluator | Indian pharmaceutical congress , Indian Pharmaceutical Association | 2010 |
| Dr. J. Ravindra Reddy | Resource Person | Staff development programme Chalapathi Institute of Pharmaceutical Sciences | 2012 |
| | Delegate | Indian pharmaceutical congress , Indian Pharmaceutical Association | 2012 |
| Dr. P. Ramalingam | Resource Person | Staff development programme , Sri Padmavathi school of Pharmacy | 2012-13 |
| | Guest Faculty | GPAT / NIPER Coaching , Hyderabad Academy | 2013 |
| | Guest Faculty | GPAT / NIPER Coaching , Hyderabad Academy | 2012 |
| | Guest Faculty | GPAT / NIPER Coaching , Hyderabad Academy | 2011 |

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| | | | |
|-------------------------|-------------------|--|------|
| | Guest Faculty | GPAT / NIPER Coaching | 2011 |
| Dr. C. Sowmya | Delegate | Staff Development Programme, Sri Vivekananda College of Pharmacy, Karnataka | 2013 |
| Dr. E.Vigneshwaran | Delegate | ISPOR 6 th Asia Pacific conference held at Beijing, China on 6 - 9september | 2014 |
| | Delegate | Pharmacy Practice Training Module - I , Indian Association of Colleges of Pharmacy, VELS University, Chennai | 2012 |
| | Delegate | Pharmacy Practice Training Module - II , Indian Association of Colleges of Pharmacy, Sri Ramachandra University, Chennai | 2013 |
| | Delegate | Staff development Programme , KLE College of Pharmacy, Belgaum | 2012 |
| | Student Volunteer | FIP 2011 | 2011 |
| Dr. M. Jaffar Sadiq | Delegate | Staff development programme, JSS College of Pharmacy, Mysore | 2011 |
| Dr. K. Somasekhar Reddy | Delegate | Staff development programme, JSS College of Pharmacy, Mysore | 2008 |
| | Delegate | Staff development programme, KLE, Belgaum | 2007 |
| Dr. M. V. Jyothi | Delegate | Staff development programme, JSS College of Pharmacy, Ooty | 2005 |
| Mr. S. Nagarjuna | Guest Faculty | GPAT / NIPER Coaching , Hyderabad Academy | 2013 |
| | Guest Faculty | GPAT / NIPER Coaching , Hyderabad Academy | 2012 |
| | Guest Faculty | GPAT / NIPER Coaching , Hyderabad Academy | 2011 |
| Mr. G. Narayana | Delegate | Staff development Programme, KLE Belgaum | 2012 |
| | Delegate | Staff development programme, JSS College of Pharmacy, Mysore | 2011 |

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| | | | |
|--------------------------|-------------------------|--|------|
| Dr. Mohanraj Rathinavelu | Resource Person | One Day Seminar on Pharmaceutical Care & Research: A Pharmacy Practice Perspective, Department of Pharmacy Practice KVSR College of Pharmaceutical Sciences, Vijayawada, A.P | 2014 |
| | Delegate | Pharmacy Practice Training Module - III , Indian Association of Colleges of Pharmacy, COP, SRIPMS, Coimbatore | 2013 |
| | Delegate | Pharmacy Practice Training Module - II , Indian Association of Colleges of Pharmacy, Sri Ramachandra University, Chennai | 2013 |
| Mrs. Seeba Zacharia | Delegate | One month, FIP Pharma Bridge Programme Scotland | 2012 |
| Mr. K.V. V. Badhrappa | Delegate | Staff development programme, JSS College of Pharmacy, ooty | 2008 |
| Mr. A. Sudheer | Delegate | Staff development programme, JSS College of Pharmacy, ooty | 2008 |
| Dr. Y. Samhitha Reddy | Scientific Presentation | FIP Annual Congress 2014 - 30 th - 3 rd August, Bangkok, Access to Medicines and Healthcare | 2014 |
| | Scientific Coordinator | (International Pharmaceutical Student Federation)IPSF | 2013 |
| | Delegate | International Pharmaceutical Federation (FIP) Conference at Netherlands in Nov- 2012. | 2012 |
| | Delegate | International Society for Pharmacoeconomics & Outcomes Research (ISPOR) Asia-Pacific Conference at Taipei, China Sep 2012 | 2012 |
| | Student Volunteer | FIP 2011 | 2011 |

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2.4.8 How often does the institution organize academic development programs (*e.g.*: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

1. National Level Seminar on “Pragmatic View On Pharmacovigilance And Therapeutic Outcome”, May 5th 2015., organized by Raghavendra Institute of Pharmaceutical Education & Research in association in association with IPA Ananthapuramu local branch and (ISPOR) International Society for Pharmacoeconomics & Outcomes Research – India Regional Chapter.
2. National Seminar on Current Trends and Future Perspectives in Pharmacology and Pharmaceutical Research 14th March 2015, organized by Raghavendra Institute of Pharmaceutical Education & Research in association in association with IPA Ananthapuramu local branch.
3. Inauguration of Indian Pharmaceutical Association (IPA) Anantapuramu Local Branch 5th March 2015, organized by Raghavendra Institute of Pharmaceutical Education & Research – RIPER.
4. National Level Seminar on Healthcare and Outcomes Research 27th December 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) – India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.

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5. Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training 22nd December 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad.
6. National Symposium on Advances in Pharmaceutical Research 15th November 2014 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Royal Society of Chemistry (London) – Deccan Section.
7. RIPER'S INNOVATION CONFEX 19th July 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER).
8. Indo - European Symposium on Pharmacoeconomics Policies 3rd March 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) – India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
9. National Workshop on Methodology Development in Healthcare Research 30th November 2013, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) – India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
10. National Conference on Patient Reported Outcomes in Pharmacovigilance 24th March 2013 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) – India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
11. Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training 24th February 2013, Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad.
12. National Conference on Emerging Trends in Pharmaceutical Sciences 22nd December 2012, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) Anantapuramu, Andhra Pradesh.

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13. International Conference on Pharmacoeconomics and Good Pharmacy Practice 13th – 14th October 2012, organized by Raghavendra Institute of Pharmaceutical Education and Research – RIPER in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) – India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
14. Workshop on HPLC as an Analytical Tool 8th – 9th March 2012, organized by Raghavendra Institute of Pharmaceutical Education & Research – RIPER, in association with Chromatographic Society of India.
15. Golden Jubilee National Pharmacy Week (NPW) Celebrations 10th – 15th DEC 2011 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli Indian Pharmaceutical Association (IPA) – Education Division and AP State Pharmacy Council.
16. National Workshop on Product Development Stability Testing and Safety – Current Trends 7th August 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER).
17. National Workshop on Clinical Practice & Research – Through Pharm.D Education 9th – 10th July 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Indian Pharmaceutical Association (IPA) – Community Pharmacy Division and RDT Hospitals Bathalapalli, Anantapur, A. P.
18. National Seminar on Professionalism through Pharm D Education 9th April 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, AP.
19. Seminar on Evidence Based Clinical Practice 18th March 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India..
20. Continuing Nursing Education for RDT Nurses “Patient Safety – Dose Calculations” 30th October 2010 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India. .
21. Continuing Nursing Education for RDT Nurses “Patient Safety – Medication Errors 22 September 2010 organized by Raghavendra Institute of Pharmaceutical Education &

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Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India

22. Workshop on “Pharm D – Global Perspectives” In RIPER & RDT Hospital Auditoriums 20th – 21st August 2010, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India.

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

Ours institution is one of the premier, renowned pharmacy institute of india which imparts quality education with global standards, and one among few institutes making the salary paid according to AICTE norms. The institution has designed guidelines on faculty recruitment policy, promotion policies, leave policy, SOP of conduct within premises of institute, extent of professional freedom enjoyed by the faculties are adequate so there is no need of attrition in our institution.

2.4.10 Does the institution have a mechanism to encourage Mobility of faculty between institutions /universities for teaching/research, Faculty exchange programs with national and international bodies? If yes, how have these schemes helped in enriching the quality of the faculty?

YES.

Raghavendra Institute of Pharmaceutical Education and Research (RIPER) imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities,

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resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

The institution collaborated with International Society for Pharmacoeconomics and Outcomes Research (ISPOR) through which it conducts continuing learning programmes in field of medicines, pharmaceutical sciences and research for better patient care and improved health outcome.

The institution joined hands with Royal Society of Chemistry (RSC) London Deccan Section and imparts innovative thoughts in Pharmaceutical Sciences.

2.4.11 Does the institution have well defined career advancement policy for Health Science professionals? If yes, outline the policy.

YES.

The institution has a well defined promotion policy (career advancement policy), as per norms of affiliating university JNTUA based on educational qualification, years of experience, pursuing research etc.

2.4.12 How does the institution create synergies with other PG institutions for generating required number of specialists and super specialists?

The industrial interaction cell of the institution is well established were it have more number of MoU with industries for the training of students and guidance of research work for PG students in the field of Regulatory affairs, Intellectual property rights, good manufacturing practice (GMP), good laboratory practice (GLP), good documentation practice (GDP etc., and the institute regularly invites R & D experts as visiting faculties to inoculate innovative thoughts in the field of pharmaceutical sciences and research.

The institution also collaborated with International Society for Pharmacoeconomics and Outcomes Research (ISPOR), FORTIS healthcare limited, Indian Association of Colleges of Pharmacy (IACP) and Indian Pharmaceutical Association (IPA) through which quality education in pharmacy practice and research is instilled with forecast on public health.

2.4.13 Does the institution conduct capacity building programs / courses in subspecialties for its faculty?

The institution follows organizing of out reach programmes for the development of interdisciplinary professional knowledge and to ugrades their skills like evidence based learning-teaching process, journal club presentations through which an extensive literatures be

collected and reviewed which upgrades their knowledge in their areas of interest, specialities and sub-specialities.

2.5 Evaluation process and Reforms

2.5.1 How does the institution ensure that all the stakeholders are aware of the evaluation processes that are in place?

Stake holders of the Institution

STUDENTS

Selection of Institutions and educational programmes of higher standards

Admission in reputed educational institutions for higher studies.

Priority in placements, global mobility, eligibility in student exchange program, Scholarships

FACULTY

Career growth in an inspirational environment with academic freedom.

Research collaboration, research grants, recognition in profession, professional satisfaction.

PARENTS

Assurance of quality education to their wards.

Career betterment across the global and standard organization

ALUMNI

Career with professional accomplishment.

Continuing education and growth, research support

INDUSTRIES AND EMPLOYERS

Recruitment of well-qualified, competent and role ready graduates

Improved Industry - institute interaction, research collaboration, knowledge outsourcing

INSTITUTIONS

Continuous improvement towards Excellence and building a brand name

Research collaboration in and outside the country, MOU with standard organization.

GOVERNMENT/REGULATOR

Quality improvement in the education

Availability of skilled manpower.

The following process documents were adapted in establishing communication with the stakeholders regarding the evaluation process:

Collect and review documents that describe programmes

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Collect and review instructional materials

List the achievements of graduates in their field.

Alumni achievements such as career accomplishments, social activities, aesthetic and intellectual involvement.

Committee meeting and its minutes, the committee was consisted of head of the Department, programme coordinator, senior faculty members, representatives from students, parents, alumni, employers and members from professional bodies like AICTE, PCI, APTI, Pharmacy Student forum.

A committee named "Establishment and public relation committee" was constituted for the purpose to ensure that all the stakeholders are aware/informed regarding the evaluation processes. The committee consisted of Head of the Department, Programme coordinator, Senior Faculty members, and representatives from students, parents, Alumni, employers and members from professional bodies. The committee analyze the current status of the programme; analyze the data collected on prospect/ potential of identified Industries/ Research organizations / higher educational institutions, develop assessment methods, check for the consistency of mission statements of the programme, this would help the stakeholders to know about the career accomplishments of the graduates.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system.

The examination reform in the institution is well structured, were every month mock examinations are conducted in pattern of affiliating university, and its evaluated by faculties handling the subject, after the evaluation process the faculties explains the student about the presentation mode in end examination, writing content. Two or three internal examination (midterm examination) are conducted as per academic calendar of affiliating university in regular intervals, for slow learners improvement internal examination are conducted.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results (e.g. website, SMS, e-mail, etc.)

The affiliating university JNTUA announces the end examination results within 45 days, after commencement of examination. A very horizontal progression to the next academic year/semester/higher education made affordable to students. Whenever there is a delay in the

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declaration of examination results, the information is brought to the notice of chief controller of examination of the affiliating university JNTUA; results are published on the university website.

2.5.4 How does the institution ensure transparency in the evaluation process?

End examination / final examination / university examination is conducted by the affiliating university JNTUA,

- Question papers are released online before 30 minutes of the commencement of the examinations.
- The answer scripts are coded and sent for evaluation at different centres.
- The coded answers scripts are evaluated, and sent for second evaluation and chief evaluator acknowledge the results.

Internal examination

- The question paper is prepared and mailed to the examination committee before a week of commencement of midterm examinations.
- Answer scripts are evaluated by the concerned teachers. The answer books are shown to the students for any clarifications.
- The marks are displayed on the notice board. A separate register is maintained for the internal assessment marks.
- The statements of internal assessment marks sent to the university are counter signed by the concerned faculty and head of institute.

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of the examinations?

- Question papers scrutiny by subject experts at JNTUA affiliated pharmacy institutions.
- Online release of question papers before 30 minutes of the commencement of the examinations.
- Verification of the question paper by subject experts of the affiliated colleges.
- Corrections if any are informed to the students within 30 minutes from the start of examination.
- Mixing and coding of examination answer scripts by JNTUA.
- Evaluation of answer scripts in chief evaluation centre of the university, under the supervision of chief controller of examination.

2.5.6 Does the institution have an integrated examination platform for the following processes?

YES.

The institution has an integrated examination platform works in structured process:

- Pre-examination process
- Examination process
- Post-examination process
- Pre-examination process

Pre-examination process

- Intimation of examination date, time-table of examination to students.
- Information on date of payment examination fees.
- Processing of hall tickets and issue to students.
- Submission of (online/off-line) name list, attendance and internal examination marks of students to affiliating university.
- Appointments of invigilator/observers from the university affiliated pharmacy colleges.

Examination process

- Students attending the examination are directed to enter the examination hall before 30 minutes.
- Inviting invigilator/observer from university affiliated pharmacy colleges.
- Informing the consequence of malpractices during exams by the invigilator/observer.
- Downloading the question paper from the university directed website on the day of examination.
- Photocopy of question paper made and distributed to students.
- Verification of question paper subject expert of the speciality and changes if any intimated to both university officials and students.

Post-examination process

- Mixing and coding of examination answer scripts in JNTUA.
- Valuation of answer scripts at evaluation centre of affiliating centre (JNTUA), under the supervision of Chief-controller of examination.
- Double valuation system
- Announcement of results by uploading the marks by the affiliating university in its official website.

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2.5.7 Has the university / institution introduced any reforms in its evaluation process?

YES

The reforms introduced are coding of answer script, double valuation in different in the affiliating university, online entry of the marks at the valuation centres, Re-totalling option for the candidates.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details.

The affiliating university and the institution as the mechanism for redressal of grievances with reference to examinations like making a provision for applying for re-totalling of marks for students and they can obtain a photocopy of their answer scripts.

2.5.9 Does the institution have a Manual for Examinations and if yes, does it specifically take cognizance of examination malpractices by students, faculty and non-teaching staff?

The institution has a standard operating procedure for conducting examinations, where no faculties, students and non-teaching staffs have no feasibility towards the process of examination except the in-charge of examination committee of the college.

The institution also directs the students about the consequence if they indulge in malpractices.

2.5.10 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The controller of examination of the affiliating university has a efficient operation of examination section.

The controller of examination of JNTUA appoints subject experts of the affiliated pharmacy colleges as paper setters.

Three sets of question papers are obtained from the subject experts appointed by the controller of examiner.

Scrutiny of question papers is made and uploaded in the website.

All the process regarding scrutiny of question paper, issue of question paper, examination process, evaluation process and issue of marks are well coordinated and the confidentiality is maintained by universities databases.

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of its students? Give examples against the practices indicated below:

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Table. 29 The institution has systemized tools and processes used in assessment of the attainment of the programme outcomes.

| Assessment tools | Frequency | Direct/Indirect | Description |
|------------------------------|---------------|-----------------|--|
| Alumni survey | Every year | Indirect | Collection of a wide variety of information about programmes satisfaction, how well students are prepared for their careers, what types of jobs or graduate degrees majors have gone on to obtain, and the skills that are needed to succeed in the job market or in graduate study, 3 years after the graduation. Provide the information opportunity to collect data on which areas of the programme should be Changed, altered, improved or expanded. |
| Employer survey | Every year | Indirect | Provide information about the curriculum, programmes and course outcomes, on-the-job field specific information about the application and Value of the skills that the program offers. It helps to determine if their graduates have the necessary job skills and if there are other skills those employers particularly value that graduates are not acquiring in the programme. |
| Student/graduate exit survey | Every year | Indirect | To evaluate the success of the programme in providing students with opportunities to achieve the programme outcomes |
| Course exit survey | End of course | Indirect | To determine the quality of the course, the various outcomes, that this course tries to satisfy, and the level of achievement of these Outcomes. |
| Project evaluation | Every year | Direct | This is a demonstration of the abilities of a student throughout the programme |
| Course evaluation | Every year | Direct | It gives information about what and how students are learning within the classroom environment; using existing information that faculty routinely collects (test / end-semester exam performance, assignments etc.), Methods of assessing student learning within the Class room environment. |
| Parents satisfaction survey | Every year | Direct | The Parent Survey is divided into various sections, each requesting information on parents satisfaction with various aspects of the academic programme and services, and the criteria they used in selecting us. |

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Table. 30 The following are the administrative system helps in attainments of programme outcomes

| Assessment tool | Frequency | Stakeholder | Responsible person | Committee |
|---------------------|---------------|---------------------------------------|----------------------------|-----------------------------------|
| Alumni survey | Every year | Alumni (2 years after the graduation) | Academic cell coordinator | Alumni association |
| Employer survey | Every year | Employer | Placement cell coordinator | Placement and training |
| Student Exit survey | Every year | Students | Programme coordinator | College academic committee |
| Course exit survey | End of course | Students | Programme coordinator | College academic committee |
| Project evaluation | Every year | Faculty | College academic committee | College academic committee |
| Course evaluation | Every year | Faculty | Programme coordinator | College academic committee |
| Parents survey | Every year | Parents | Public relation officer | Establishment and public relation |

2.5.12 Describe the methods of prevention of malpractice, and mention the number of cases reported and how are they dealt with?

The institution strictly adheres to the rules and regulations framed, promotion policies etc.,

Behavior Guideline in campus

- Be punctual for College and all classes.
- Wear correct College uniform.
- Respect the rights of others and avoid disturbing or interrupting the class.
- Respect and cooperate with teachers, staff and other students.
- Work quietly during class and follow all the instructions of the teacher.
- Obtain the permission of the teacher before moving, in or out the class.
- Keep the classroom and College premises clean and tidy at all times.
- Avoid rough games in the playground.
- Walk quietly and orderly in the corridors when moving around the College.
- Sit quietly in the assigned seat of the bus

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- Be alert to the instructions of the driver.
- Respect College property and the property of others.
- Behave in an honest and honourable manner.

Unacceptable Conduct in Campus

- Displaying a negative attitude towards society and College.
- Showing disrespect towards religion, community, or honesty.
- Taking or damaging property belonging to the College or other people.
- Defacing the walls or other College properties.
- Smoking or involvement with illegal substances (drugs/alcohol).
- Trespassing on College property during holidays.
- Mal Practice during tests or examinations.
- Falsifying College reports and certificates.
- Dealing with videos, pictures and magazines which are unacceptable
- Fighting, bullying or violent behavior towards others.
- Swearing or using abusive language.
- Throwing or using objects in a manner that may hurt others.
- Playing or looking around restrooms.
- Chewing gums while on College premises.
- Littering the playground or campus.
- Conduct deemed as inappropriate by the College in time to time

Repetition of any of the previous behaviours notified under unacceptable conduct, the college will be taking action in the following Steps

Step.1: Receiving hand written complaints from the victim / evident

Step.2: implementation suspension (if required and is decided by the committee)

Step.3: Intimation to the Parent and making compulsory visit to the college

Step.4: Written apology from student and countersigned by his /her parent

Step.5: Filed in disciplinary action file

Note: If any complaints related to ragging / Eve teasing etc. Intimation to the Nearest Police station will be done along with parents (as per Act). No excuse will be allowed for Ragging or Eve –teasing incidents.

A repetition of misconduct

- A repetition of misconduct after step 5 of any candidate would result in suspension from the College premises / class until examinations.

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- But, the student will be allowed to take the examination in the following cases:
- Repetition of the behavior described above.
- Drug or alcohol abuse.
- Bullying.

Student will be expelled if he/she

- Shows violence towards staff members.
- Is convicted of a criminal offence.
- Purposeful damage to the college property

2.6 Students performance and learning outcomes

2.6.1 Has the institution articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

YES. The institution and administrative set up considers in various dimension in designing and articulating the program outcomes

Knowledge Outcomes

Pertain to grasp of fundamental cognitive content, core concepts, basic principles of inquiry, a broad history

Skills Outcomes

Focus on capacity for applying basic knowledge, analyzing and synthesizing information, assessing the value of information, communicating effectively and collaborating

Attitudes and Values Outcome

Encompass affective states, personal/professional/social values and ethical principles

Behavioural Outcomes

Reflect a manifestation of knowledge, skills and attitudes as evidenced by performance and contributions.

Process employed in defining the programme outcomes

- Open discussions with faculty on the following.
- Description of an ideal student in programme at various phases throughout the programme.
- Focus on those strengths, skills, and values that are the result of, or at least supported and nurtured by, the programme experience.

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2.6.2 Does the institution have clearly stated learning outcomes for its academic programs/departments? If yes, give details on how the students and staff are made aware of these?

YES.

Table. 31 Learning-outcomes of B. Pharmacy programme

| S. no | Course Name | Course outcome |
|-------|--|---|
| 01 | Remedial Mathematics | <ol style="list-style-type: none"> 1. Graduate will understand applications of trigonometry on co-ordinate geometry in pharmaceutical sciences. 2. Graduate will understand applications of algebra in pharmaceutical sciences. 3. Graduate shall be able to know the applications of integration and differential equations in pharmaceutical calculations. 4. Graduate shall be able to know Newton's law of cooling and Newton's law of natural growth or decay. |
| 02 | Remedial Biology | <ol style="list-style-type: none"> 1. The graduate can able to understand the biological principles of Botany and Zoology. 2. The graduate can able to perform the experiment, which explore the basic characteristics of plants and animals |
| 03 | English knowledge and communication skills | <ol style="list-style-type: none"> 1. Graduates can acquire satisfied language skills and were able to communicate through English language. |
| 04 | Dispensing and hospital pharmacy | <ol style="list-style-type: none"> 1. Graduate will demonstrate knowledge of pharmaceutical science in patient health care. 2. Graduates will develop the knowledge on formulation of various dosage forms, identification of incompatibilities. |
| 05 | Pharmaceutical inorganic chemistry | <ol style="list-style-type: none"> 1. The graduates will develop the knowledge to find out the purity of pharmaceutical substances. 2. They came to know the importance of pharmaceutical inorganic agents in certain diseases. |
| 06 | Pharmaceutical Organic chemistry I | <ol style="list-style-type: none"> 1. Graduates will demonstrate the knowledge of the inter-link of pharmaceutical sciences with pharmaceutical organic chemistry by learning. 2. Graduates will understand IUPAC Common system of nomenclature, types of organic reactions, mechanisms, named reaction with mechanism. 3. Graduates will expertise their skills for pharmaceutical organic chemistry concepts, tools and atomic models. |
| 07 | Anatomy, physiology and health education | <ol style="list-style-type: none"> 1. Graduate should be able to understand the anatomy and physiology of various tissues and organs of the human body. 2. Graduate can able to know about first aid and can have awareness about family planning methods. 3. Graduates can perform the hematological test and recording of physiological parameters. |

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| 08 | Statistical method and computer application | <p>1. Graduate shall be able to understand measures of central tendency dispersion, coefficient of variation, correlation & regression, normal distribution on pharmaceutical applications.</p> <p>2. To know the method of testing hypothesis, ANOVA, SQC and computer applications in pharmacy.</p> |
| 09 | Pharmaceutical engineering I | <p>1. Possess the knowledge regarding working principles of unit operations & basic requirements to design & develop the pharmaceutical machinery.</p> |
| 10 | Pharmaceutical organic chemistry II | <p>1. Graduate will Understand and apply the nomenclature, basic chemistry, stereochemistry, rearrangement reaction, mechanisms of heterocyclic & other organic compounds.</p> <p>2. Graduates will able to synthesize basic heterocyclic molecules, analyze, estimate organic compounds and understand the recent methods of organic synthesis</p> |
| 11 | Physical pharmacy I | <p>1. Graduates will understand the chemical & physical fundamental aspects of intermolecular forces, thermodynamics, solubilisation of electrolytes & non-electrolytes, pH & tonicity that govern the <i>In vivo</i> & <i>In vitro</i> actions of pharmaceutical products.</p> |
| 12 | Anatomy, physiology & pathophysiology | <p>1. Graduate shall able to understand the anatomy & physiology of various organs & human body.</p> <p>2. Graduate should understand the etiology & pathogenesis of specified diseases.</p> <p>3. Graduate will perform the analysis of normal & abnormal constituents of urine.</p> |
| 13 | Environmental studies | <p>1. Graduate understands the knowledge about natural resources, ecosystem, biodiversity & its conservation.</p> <p>2. Graduate will understand the management of various disasters and should have knowledge on different environment protection acts.</p> |
| 14 | Pharmaceutical engineering II | <p>1. Graduate understands the basic fundamentals of various unit operations required for drug formulation.</p> <p>2. Apply the operating skills of pharmaceutical machinery required to work in the pharmaceutical field viz. drug manufacturing, production and formulation.</p> |
| 15 | Pharmaceutical analysis I | <p>1. Graduates will understand fundamentals on conventional methods of drug analysis used in laboratories and also the basic principles of other analytical techniques used in analytical chemistry.</p> <p>2. Graduate understands the applications of various analytical methods to drugs & pharmaceuticals as per the standards.</p> |
| 16 | Pharmacognosy I | <p>1. Graduates will understand various medicinal uses of naturally occurring drugs and acquire skills to perform herbarium preparation, identification of drugs through microscopy, macroscopy, powder microscopy.</p> |

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| 17 | Physical pharmacy II | <ol style="list-style-type: none"> 1. Graduate will understand the physico-chemical fundamental aspects of solubility, distribution, flow of liquids & solids, complexation & interfacial phenomenon. 2. Graduate gain knowledge on formulation & stability aspects of dispersion systems, drug decomposition & their kinetics. |
| 18 | Pharmaceutical biochemistry | <ol style="list-style-type: none"> 1. Graduate will acquire the knowledge and understand the importance of various metabolic pathways. 2. Demonstrate and implement the knowledge on identification of normal and abnormal constituents of urine and blood. |
| 19 | Pharmaceutical microbiology | <ol style="list-style-type: none"> 1. Demonstrate the importance of pharmaceutical microbiology by acquiring knowledge of micro organisms and diseases caused by them and their application in pharmaceutical industry and human health. 2. Demonstrate the techniques of sterilization, identification, growth of micro organisms along with analytical aspects. |
| 20 | Pharmacognosy II | <ol style="list-style-type: none"> 1. Graduate will understand and utilize the knowledge of various novel phytopharmaceuticals. 2. Demonstrate and utilize the knowledge and skill on identification of crude drugs by transverse section, powder microscopy and quantitative pharmacognosy. 3. Understand the production of various groups of phytopharmaceuticals by biogenesis. |
| 21 | Pharmaceutical technology I | <ol style="list-style-type: none"> 1. Graduate acquires knowledge on various dosage forms, and their formulations, evaluation and packing. 2. Understand importance of various additives in formulation of different dosage forms and cosmetics. |
| 22 | Pharmacology I | <ol style="list-style-type: none"> 1. Understand pharmacokinetics, pharmacodynamics, discovery and development of new drugs. 2. Understand and utilize knowledge on pharmacology of drugs acting on peripheral nervous system and central nervous system. |
| 23 | Medicinal chemistry I | <ol style="list-style-type: none"> 1. Graduate will understand fundamentals of drug design, method of synthesis, prediction of structure, activity relationship, mechanism of action of drugs in ANS and CNS. 2. Design and implement synthesis of selected drug molecules involving multistep synthesis, perform monograph study as per pharmacopoeia |
| 24 | Pharmaceutical technology II | <ol style="list-style-type: none"> 1. Acquire skill in preparation of different types of tablets. 2. Demonstrate the handling of equipment for evaluation and interpret the result. 3. Acquire the knowledge of processing of dosage form on large scale that suits pharma industry. |
| 25 | Pharmacology II | <ol style="list-style-type: none"> 1. Understand pharmacological aspects of drugs related to CVS, urinary system, endocrine system, respiratory system |

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| | | and autacoids. 2. Acquire knowledge on skill to handle and carry out animal experiments related to pharmacology. |
| 26 | Chemistry of natural drugs | 1. Understand and demonstrate the knowledge of phytochemistry. 2. Demonstrate the skill of isolation and identification of some novel phytopharmaceuticals on laboratory scale |
| 27 | Pharmaceutical jurisprudence | 1. Understand laws and procedures regarding manufacturing and sale of drugs and dosage forms. 2. Acquire knowledge of various schedules and ethical responsibilities of registered pharmacist. |
| 28 | Pharmaceutical analysis II | 1. Understand various modern analytical techniques for pharmaceuticals in quality control. 2. Acquire sufficient skill in handling equipments/ procedures used in qualitative and quantitative analysis of pharmaceuticals. |
| 29 | Biopharmaceutics & pharmacokinetics | 1. Graduate will acquire knowledge on the factors influencing absorption, distribution, protein binding and also on pharmacokinetic models. 2. Able to calculate the pharmacokinetic parameters based on plasma level-time data & urine data. 3. Understand the importance of clinical pharmacokinetics and the bioavailability and bio equivalence studies. |
| 30 | Pharmacology III | 1. The graduate understands the principles of chemotherapy and pharmacology of chemotherapeutic agent. 2. The student understands the principles of toxicology & various bioassays. 3. Demonstrate the <i>In vivo</i> and <i>ex vivo</i> animal experiment regarding bioassay, PA2 Values and screening of various activities like Analgesic activity by Hot plate method, Anti-inflammatory activity by plethysmometer, Anticonvulsant activity by picrotoxin induced convulsions, Anxiolytic activity by plus maze. |
| 31 | Medicinal chemistry II | 1. Graduate will demonstrate the knowledge of pharmaceutical chemistry by learning structures, nomenclature, classification, mechanism of action, SAR, toxicity and uses of various Antibiotics. 2. Graduate understands the importance of vitamins and their chemical reactions and their biological roles. 3. Graduates will expertise the skills for medicinal chemistry concepts, tools, software and analytical techniques. |
| 32 | Pharmacy administration | 1. Graduate will gain the knowledge on various aspects of administration, marketing in pharmaceutical industry. 2. Graduate will develop management skills and leadership qualities in pharmacy. |
| 33 | Novel drug delivery system and regulatory | 1. Graduate will understand the fundamentals of Novel Drug Delivery System and their application, formulation and |

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| | affairs | evaluation (NDDS) 2. Acquire knowledge on the regulatory affairs, GMP, and also the importance of QA activities in the pharmaceutical industry and validation. |
| 34 | Pharmaceutical biotechnology | 1. Graduate will demonstrate the knowledge of interlink of pharmaceutical sciences, with bio technology by using living organisms their products applying rDNA technology and software's for human health. 2. Graduate expertise their skills for biotechnology concepts, tools and analytical techniques. |
| 35 | Medicinal chemistry III | 1. Graduate will demonstrate nomenclature, synthesis, SAR, mechanism of action, metabolism of drugs for cardiovascular disorders, diabetics, thyroid related ailments including chemotherapy for various neoplasm and cancers. 2. Graduate expertise their skills for medicinal chemistry concepts, tools and to conclude percentage purity of official drugs specified in I.P, B.P and U.S.P. |
| 36 | Pharmacognosy III | 1. Graduate will demonstrate the different analytical tools in the evaluation of crude drugs. 2. Graduate will understand the current modern uses of the crude drugs. 3. Graduate will demonstrate the skills in the study of the crude drugs. |
| 37 | Clinical pharmacy and therapeutics | 1. Graduate understands the dosage calculations appropriate for the patient and be able to select the proper drug for health care. 2. To understand the importance of rational prescribing of drugs and concept of essential drugs in pharmaceutical industry. |

Learning-outcomes of Pharm. D programme

1. Graduates will demonstrate knowledge of Pharmaceutical sciences
2. Graduates will demonstrate an ability to identify, formulate and resolve difficulties in pharmaceutical industry, community and hospital Pharmacy.
3. Graduates will conduct analyze and interpret data of experiments in production, analytical and clinical aspects.
4. Graduates will enter into the practice of pharmacy to serve society as ethical and caring professionals.
5. Graduates will apply knowledge of drugs and drug therapy to resolve problems and make decisions on behalf of their patients for better patient care.
6. Graduates will educate, communicate, and collaborate with patients and health care professionals.
7. Graduates will assume a leadership role in the future direction of the profession and practicing with international standards.

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8. Graduates will demonstrate knowledge of professional and ethical responsibilities liable to the profession and society.
9. Graduate will understand and implement the professional knowledge in research team and or alone in multidisciplinary tasks.
10. Graduates will develop professional practice as a lifelong learning experience.

Learning-outcomes of M. Pharmacy Program.

1. Ability to acquire knowledge of pharmaceutical sciences.
2. Ability to design and conduct experiments, to analyze and interpret data.
3. Ability to design solutions for complex research problems to meet the specified needs with appropriate considerations of public health.
4. Ability to provide valid conclusions from the use of research based knowledge and research methods.
5. Ability to use current techniques, skills, and modern tools.
6. Ability to demonstrate the understanding of societal, health, safety and legal issues related to pharmaceutical manufacturing and pharmacy practice.
7. Ability to understand the impact of the products and processes employed on societal and environmental contexts.
8. Awareness of ethical and professional responsibilities.
9. Ability to function effectively individually and on teams, including diverse and multidisciplinary settings, to accomplish a task.
10. Ability to develop necessary interpersonal and communication skills to be a productive member of the team in work environment.
11. Ability to demonstrate effective planning, develop and implement plans within time frame through proper knowledge and understanding of professional and management principles and apply these skills to one's own work, and also as a leader in a team.
12. A strong background and motivation to pursue lifelong learning

2.6.3 How are the institution's teaching-learning and assessment strategies structured facilitate the achievement of the intended learning outcomes?

- Orientation classes
- Academic calendar
- Academic planner lesson plan
- Regular teaching process
- Tutorials

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- Innovative teaching techniques
- Improvement learning programme for slow learners
- Evidence based teaching-learning
- Mentorship teaching-learning
- Smart board teaching-learning
- Mock examinations
- Midterm examinations
- End examination

2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

- Formative assessment method
- Summative assessment method

Formative assessment is said to be part of the delivery or instructional process, where it is used to gather information and adjust the teaching and learning in 'real-time'.

Summative assessment is more common approach, where the students are given a standardized test or examination at certain period of time, such as mid-semester test or final exam, which is also known as formal assessment. This type of assessment is used to test what the student knows at that particular point of time and whether he or she has met the course goal or the learning outcome. At present, the common method used in assessing the student in the department includes Final exam (which is normally the highest percentage), mid semester test, quiz, assignments etc.

CRITERION III: REASERCHING, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Is there an Institutional Research Committee which monitors and addresses issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

YES

Table. 32 Research Review Committee (R & D Cell)

| Name of Member | Position | Email ID |
|-------------------------|-----------------------|---------------------------|
| Dr. Y. Padmanabha Reddy | Chairman | ypreddyatp@gmail.com |
| Dr. J. Ravindra Reddy | Co-chairman | riperravi1969@gmail.com |
| Dr. P. Ramalingam | Research Director i/c | drramalingamp@gmail.com |
| Dr. M. Vijaya Jyothi | Member | drmvjyothiriper@gmail.com |
| Dr. C. Sowmya | Member | riperatp@gmail.com |

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Table. 33Research Advisory Board (R & D Cell)

| Name of Member | Designation | Organization |
|---------------------------|---|---|
| Prof. Chandrakanth Kokate | Vice-Chancellor | KLE University, Belgaum, Karnataka |
| Prof. B. Suresh | Vice-Chancellor | JSS University, Mysore, Karnataka President-Pharmacy Council of India (PCI), New Delhi |
| Prof. N. Udupa | Research Director | Manipal University, Manipal, Karnataka |
| Prof. K.B. Chandra Sekhar | Professor in Chemistry Director - R & D Cell | JNT University Anantapur (JNTUA), Anantapuramu, A.P |
| Dr. G. N. Sastry | Senior Scientist | Indian Institute of Chemical Technology (IICT), Hyderabad |
| Dr. K. P. R. Chowdary | Professor Emeritus in Pharmaceutics | University College of Pharmaceutical Sciences, Andhra University, A.P |
| Dr. K. V. S. R. Prasad | Professor in Pharmacology | Mahila University, Tirupathi, A. P |
| Dr. A. Pramila Rani | Principal and Professor | Acharya Nagarjuna University, Guntur, A. P |
| Dr. T. K. Ravi | Principal and Professor | College of Pharmacy, SRIPMS, Coimbatore, A. P |
| Dr. H. G. Shiva kumar | Professor and Principal | JSS University, Mysore, Karnataka |
| Prof. M. Sarangapani | Professor in Medicinal Chemistry | Kakatiya University, Warangal, A. P |

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Table. 34 List of Research Publications by RIPER Faculties

| S. no | Authors | Journal | Study Title |
|-------|--|--|---|
| 01 | K. Arshad Ahmed Khan | Int J Pharm Pharm Sci. 2011; 3(4): 116-123 | Design and evaluation of aceclofenac fast dissolving tablets prepared by crystallo-co-agglomeration technique |
| 02 | K. Arshad Ahmed Khan | Asian J. Pharm. Tech. 2011; 1(2): 40-48 | Particle Design of Aceclofenac-Disintegrant Agglomerates for Direct Compression by Crystallo-Co-Agglomeration Technique |
| 03 | K. Arshad Ahmed Khan | International Journal of Research in Pharmacy and Life Sciences. 2013, 1(2):84-91. | Formulation and Evaluation of Omeprazole Buccoadhesive Tablets: Effect of Polymers |
| 04 | K. Arshad Ahmed Khan | Journal of Pharmaceutical and Biomedical Analysis Letters. 2013:1(1), 1-4 | "Formulation and Evaluation of Ocular <i>in Situ</i> Gelling System of Moxifloxacin Hydrochloride". |
| 05 | Priyanka Zachariah Seeba, Thomas Dixon | JBCP. 2013 (In Press). | An interventional study on intensive care unit drug therapy assessment in a rural district hospital in India. |
| 06 | Thomas Dixon, Seeba Zachariah, Padmanabha Reddy Y | PICR. 2013 (In Press). | Development of Pharmacoeconomic s guidelines in India. |
| 07 | Jeewan A, Dixon Thomas, Alex DS, Padmanabha Reddy Y. | Indian Journal of Hospital Pharmacy. 2013; 50:60-61. | Evaluation of Number Needed to Harm for cefazolin in surgical |

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| | | | prophylaxis. |
| 08 | Vinay P, Krishna SN, Narayana G, Jaffar S, Thomas D | IJOPP. 2013; 6(1):80-81. | A possible case of filgrastim-induced death. |
| 09 | Sowmya SKR, Thomas Dixon, Zachariah Seeba, Sunad Alexander Daniel | Value in Health Regional Issues. 2013; 2(1): 103-106. | Assessment of Adverse Events and Quality of Life of Cancer Patients in a Secondary Level Care, Rural Hospital in South India. |
| 10 | Thomas Dixon and Mahendra Kumar BJ | JRPP, 2012; 1(2):81-82. | Gender difference in burden of diclofenac induced peptic ulcer disease using days lost due to disability. |
| 11 | Thomas Dixon, Seetharam G., Padmanabha Reddy Y., Alvarez-Uria Gerardo. | Indian Journal of Clinical Practice 2012; 23(5):254-260 | Is essential medicines concept for voluntary organizations only. |
| 12 | Thomas Dixon and Mahendra Kumar B.J | IJOPP, 2012; 5(3):36-39. | Comparison of days lost due to disability and Karnofsky performance status in burden of diclofenac induced adverse drug reactions |
| 13 | Pawar V, Krishna S.N, Narayana G., Sadiq J and Thomas D | IJOPP, 2012; 5(3):79-80 | A Possible Case of Filgrastim-Induced Death |
| 14 | Bhavsar Rohit, Zachariah Seeba, Thomas Dixon and Kannan SM | JPBS, 2012; 4(4): 302-306 | Evaluation and appraisal of drug information services in a rural secondary level care hospital, Anantapur, A.P. |
| 15 | Bhavsar Rohit, Zachariah Seeba, Thomas Dixon and Mahendra Kumar B.J. | Indian pharmacist, October 2012: 23-28. | Drug informatics connect Pharmaceutical research to evidence-based medicine. |

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| 16 | Seetharam G, Thomas D, Alvarez-Uria G | IJPP, 2012; 56(4): 375-381 | Comparison of essential drug list in a rural secondary care hospital in South India with Indian & World Health Organization list 2011. |
| 17 | Srinadh A, Thomas Dixon, Mahendra Kumar BJ | IJCP 2012; 5(2):25-29 | Performance of pharmacies and FIP eight star pharmacy counting. |
| 18 | Thomas Dixon, Mahendra Kumar B.J., Paul J Oesterman and Jason C Cooper | Pharma Times, 2012; 44(9):15-16 | Medication therapy assessment and management. |
| 19 | Giri D., Zachariah Seeba, Thomas Dixon | IJOPP, 2012; 5(1):57-60. | Five year screening on occurrence of vaccine-preventable diseases in rural Anantapur. |
| 20 | Thomas D, Seetharam G, Alvarez-Uria G. | J Pharm Bioall Sci. 2012; 4:172 | Essential medicines concept for quality assurance of health care facilities. |
| 21 | Dixon Thomas, Molly Mathew, C. Vijaya Raghavan, Guru P. Mohanta, Y. Padmanabha Reddy, | Pharmacy Practice 2012; 10(1): 40-44 | Days lost due to disability of diclofenac-induced adverse drug reactions. |
| 22 | Subramanyam Dasari, Umamohan C.H., Thomas Dixon, Salam Abdul. | IGRJPS, 2012, 2(2):284-288 | Socio-demographic & economic profile of breast and cervical cancer in rural Population of Anantapur, south india. |
| 23 | Harikiran VN, Thomas Dixon, Rajasekhar DG, Keshav Reddy R, Padmanabha Reddy Y | IJCP, 2011; 4(3):18-27 | Impact of Patient Information Leaflet (PIL) for Diabetes Mellitus Counseling in Rural South India. |

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|----|---|---|--|
| 24 | Thomas Dixon, Mathew Molly & Vijaya Raghavan C | Safety Science Monitor, 2011; 3(15)1-7. | Age and gender variation in burden of non-steroidal anti-inflammatory medication induced adverse drug reactions. |
| 25 | Thomas D, Mathew M, Raghavan CV | International Journal of Collaborative Research on Internal Medicine & Public Health. 2011; 3(6):526-532. | Influence of Diet and NSAIDs in Allergic Skin Reactions. |
| 26 | Zachariah Seeba, Thomas Dixon, Reddy J. Raveendra, Devanna N., Reddy Y.P. And Kannan M.S. | Indian Pharmacist, 2011; June: 12-14. | Philosophy of bacterial drug resistance on antimicrobials. |
| 27 | Zachariah Seeba, Thomas Dixon, Reddy J. Raveendra, Reddy Y.P. and Kannan M.S | IJHP, 2011; XLL 8(7): 104. | Good labelling practices for prescription medicines in India. |
| 28 | Thomas Dixon, Mathew Molly, Vijaya Raghavan C | IJCP, 2010; 3(2):15-19. | Drug utilization of non-steroidal anti-inflammatory drugs at Community pharmacies in south India. |
| 29 | Thomas Dixon and Sam Winson | IJCP, 2010; 3(2):6-8 | Medical Rumours of Antiperspirants on Breast Cancer risk. |
| 30 | Thomas Dixon and Zachariah Seeba | Indian Journal of Medical Informatics. 2010; 5(1): 3. | Drug Informatics to Promote Pharmacy Profession in India. |
| 31 | Thomas Dixon, Zachariah Seeba, Mathew Molly and Vijaya Raghavan C | The Indian Pharmacist, Feb, 2010: 37-40. | Importance of Stress Conditioning for Professional Practice. |
| 32 | Thomas Dixon, R. Narayana Charyulu, G.P. Mohanta, Molly Mathew, C. Vijayaraghavan and Seeba Zachariah | Int. J of Community Pharmacy, 2009; 2(3):5-10. | Risk of "Evidence" Based Drug Use Through Pregnancy Risk Category. |
| 33 | Thomas Dixon, Zachariah Seeba, Mathew Molly, Vijayaraghavan C | IJOPP, 2009; 2(3):64-66. | Adverse drug reactions in geriatric patient with chronic asthma. |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

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|----|--|--|---|
| 34 | Varghese Dolcy, Thomas Dixon, Mathew Molly and Rahman Fazal, | International Journal of Community Pharmacy, 2009; 2(1):23-28. | Evaluation of Body Mass Index and Patient Compliance in Essential Hypertension. |
| 35 | Thomas Dixon; Varghese Jaison; Mathew Molly | Indian Journal of Hospital Pharmacy, 2007;XL 4(6):209. | Drug Information Services; Back Bone of Evidence-Based Medicine. |
| 36 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, 13, p.1643, 2001 | Visible spectrophotometric determination of Ceftriaxone. |
| 37 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, 27, p.83, 2001. | New spectrophotometric methods for the determination of Silymarin – Acta Ciencia Indica. |
| 38 | Dr. Y. Padmanabha Reddy | International journal OF Chemical Sciences, 7(3), 2009, 1624-1628. | Synthesis and Antimicrobial Evaluation of Glimerpide in bulk and pharmaceutical Formulations. |
| 39 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, 13, p.1643, 2001 | Visible spectrophotometric determination of Ceftriaxone. |
| 40 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, 27, p.83, 2001. | New spectrophotometric methods for the determination of Silymarin – Acta Ciencia Indica. |
| 41 | Dr. Y. Padmanabha Reddy | International journal OF Chemical Sciences, 7(3), 2009, 1624-1628. | Synthesis and Antimicrobial Evaluation of Glimerpide in bulk and pharmaceutical Formulations. |
| 42 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, Vol.21. No.8 (2009), 6271-6276. | Fabrication and evaluation of Aloe barbadensis Miller mucilage based sustained release |

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|----|-------------------------|---|---|
| | | | matrix Tablets of Glimerpede. |
| 43 | Dr. Y. Padmanabha Reddy | Biomed-4(2) April-June 2009, pp 192-197. | Fabrication and evaluation of Aloe barbadensis Miller mucilage based sustained release matrix Tablets of Glipizide. |
| 44 | Dr. Y. Padmanabha Reddy | Biomed-4(1) Jan-Mar 2009, pp 70-75. | Permeation studies of Glipizide from Ficus Caria fruit mucilage matrices for transdermal delivery. |
| 45 | Dr. Y. Padmanabha Reddy | The Indian Pharmacist-VVol.VII, No75, 89-91 | Evaluation of Anti-Inflammatory activity of Acalypha Indica. |
| 46 | Dr. Y. Padmanabha Reddy | Asian Journal of chemistry, Vol21, No.3 (2009), 2473-2475 | Spectrophotometric Estimation of Ofloxacin in Pure and Pharmaceutical Dosage Forms. |
| 47 | Dr. Y. Padmanabha Reddy | Asian Journal of chemistry, Vol.21, No.2 (2009), 1630-1632 | Antimicrobial activity of seeds of Abrus Precatorius Linn. |
| 48 | Dr. Y. Padmanabha Reddy | Int.Journal of chemical sciences, 6(1), 2008, 417-421. | Qualitative determination of Nevirapine in Pharmaceutical dosage forms by RP-HPLC. |
| 49 | Dr. Y. Padmanabha Reddy | Int.Journal of Chemical Sciences, 5 (2), 2007, 743-748 | Qualitative determination of Thalidomide using RP-HPLC. |
| 50 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, Vol.13.No.4 (2001), 1643-1645. | Visible Spectrophotometric determination of Cefuroxime Sodium. |
| 51 | Dr. Y. Padmanabha Reddy | International journal of Chemical Sciences 4 (1), p, 151-156,200. | Assay of Venlafaxine hydrochloride in |

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| | | | |
|----|-------------------------|---|--|
| | | | bulk samples and pharmaceutical formulations by Extractive Spectrophotometry. |
| 52 | Dr. Y. Padmanabha Reddy | Asian Journal of Chemistry, 13, p, 1234, 2001. | Spectrophotometric determination of Silymarin. |
| 53 | Dr. Y. Padmanabha Reddy | Antiseptic, 99, 88, 2002. | Spectrophotometric determination of Cefuroxime sodium in pharmaceutical dosage forms. |
| 54 | Mrs. M. Geethavani | Oriental journal of Chemistry, Vol. 23, No.2 (2007), 571 –576. | Microwave assisted synthesis of fluoro-substituted quinoxaline derivatives for antimicrobial studies. |
| 55 | Mrs. M. Geethavani | Oriental journal of Chemistry, Vol. 23, No.2 (2007), 665 – 668. | “Microwave assisted synthesis antimicrobial activity of 7-chloro-6-fluoro-2-(substituted aromatic sulphonyl hydrazine) benzothiazoles. |
| 56 | Mrs. M. Geethavani | Oriental journal of Chemistry, Vol. 23, No.2 (2007), 635 - 639. | Microwave assisted synthesis of 7-substituted-6fluoro-benzothiazolo-tetrazole for antimicrobial studies. |
| 57 | Mrs. M. Geethavani | Asian Journal of Chemistry, Vol.21, No.2 (2009), 1630-1632 | Antimicrobial activity of seeds of Abrus precatorius Linn. |
| 58 | Mrs. M. Geethavani | Inventi Rapid Med Chem Vol. 2013, Issue 3. | Synthesis, Characterization and In-vitro Antibacterial and Antifungal Activity |

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| | | | |
|----|---|--|---|
| | | | of Some Derivatives of Quinoxaline-2, 3(1H, 4H)-dione. |
| 59 | Jaffar SM, Chandrasekhar KB, Padmanabha RY, Bushra S. | Indian Journal of Pharmacy Practice. Apr – Jun 2013: 6(2);34 – 37. | Assessment of Nigella Sativa Induced Adverse drug reactions. |
| 60 | E.Vigneshwaran, Y. Padmanabha Reddy, N. Devanna, M. Jaffar Sadiq, B.Manoj Kumar, S. Rubia, Y. Samhitha Reddy. | International Journal of Research in Pharmaceutical and Biomedical Sciences. April-June 2011: 2(2); 510-515. | Evaluation of Barriers in Condom Use – A Cross Sectional Survey. |
| 61 | A. Karunasree, K. Thejomoorthy, M. Jaffar, Y. Padmanabha Reddy, P. Ramalingam. | International journal of PharmTech and Research. April-June 2010: 2(2); 1150-1154. | In-Vitro protein binding study of Ciprofloxacin by new UV Spectrophotometric method. |
| 62 | Hindustan Abdul Ahad, Jaffar Sadiq M, Bheemachari, Shiv Kumar. | Biomed Oct-Dec 2009: 4(4); 405-410. | A Comparative study on hypoglycaemic potency of dried fruits of Eucalyptus globules and rhizomes of Curcuma zedoaria. |
| 63 | Hindustan AbdulAhad ,B.PredeepKumar, C.Haranath, K.somasekhar reddy, | International journal of chemical sciences.,7(4),2009,2555-2560 | Fabrication and evaluation of Glimpiride Cordia Dichotoma G.Forst fruit mucilage sustained release matrix tablets . |
| 64 | Hindustan AbdulAhad ,B.PredeepKumar, C.Haranath, K.somasekhar reddy, | International journal of chemical sciences.,7(4),2009,2561-2566 | Formulation and evaluation of Nimesulide Hibiscus Esculentus Fruit Mucilage matrix tablets. |
| 65 | Hindustan AbdulAhad ,B.PredeepKumar, C.Haranath, K.somasekhar reddy, | International journal of chemical sciences.,7(4),2009,2294-2298 | Fabrication and evaluation of Glimpiride Ficus Bengalensis Fruit Mucilage matrix transdermal |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|----|--|--|--|
| | | | patches. |
| 66 | C.Sowmya,c.Suryaprakash reddy,C.Haranath,B.Madhu kar, | International journal of pharmacy and industrial research,vol-2,issue-03,July-sep2012,267-274 | Formulation and optimization of Immediate Release tablets of an antihypertensive drug by dry granulation method. |
| 67 | V.Nagesh*, Gowtham kumar Vangala, Riddesh Sahoo, Ajey Kumar Reddy T, C.Haranath, C.Sowmya, | International Journal of Pharmaceutical Sciences Review and Research, 21(2), Jul – Aug 2013; 85-96 | A Brief Review on Oro-Dispersible Tablets: A Popular Growing Technology |
| 68 | Vigneshwaran E, Padmanabha Reddy, Devanna N, Jaffar Sadiq M, Manoj Kumar B, Gerardo Alvarez Uria. | Journal of Pharmaceutical and Health Science. Nov – 2011: 1(4); 154 – 157. | Assessment of knowledge about HIV/AIDS among Public – A Rural perspective of South India, Asia. |
| 69 | M Jaffar Sadiq, E Vigneshwaran, S Shareen Taj, B Srinath, Y Padmanabha Reddy, K B Chandrasekhar. | Journal of Advances in Drug Research. June 2011: 1(2); 55 – 59. | A Study on Antiepileptic activity of Eugenol excluded aqueous extract of Eugenia Caryophyllus. |
| 70 | Jaffar Sadiq M, Padmanabha Reddy Y, kalava Balaji, Narayana G. | Research journal of Pharmaceutical, Biological and Chemical Sciences. April – june 2012: 3(2); 632 – 638 | A Study on antidepressant activity of eugenol excluded clove extract. |
| 71 | S Pavan Kumar Raju, V Ramakrishna, R Raghavendra Kumar, P Praveen Reddy, K Gayathri, G Anjaneyulu, M Jaffar Sadiq. | Research Journal of Pharmaceutical, Biological and Chemical Sciences. April – June 2012: 3(2); 787 – 794. | A Study on Anti Hyperlipidaemic activity of Helianthus Annus in Rats on High Fat Diet. |
| 72 | M Jaffar Sadiq, K B Chandrasekhar, Y Padmanabha Reddy. | PHARMANEST – An International Journal of Advances in Pharmaceutical Sciences. Sep – Oct 2012: 3(5); 380 – 385. | A Comparative study on Antihyperglycemic potency of various solvents extracts of seeds of Nigella |

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|----|--|---|---|
| | | | Sativa. |
| 73 | M Jaffar Sadiq, Bheemachari, Shiv Kumar, E Vigneshwaran, Kalava Balaji. | Research journal of Pharmaceutical, Biological and Chemical Sciences. July – Sep 2011: 2(3); 326 – 332. | A Study on Antidiabetic potency of mixtures of powder of dried fruits of Eucalyptus globules and Rhizomes of Curcuma Zedoria. |
| 74 | K.V. Lalitha, Golla Murali Mohan Reddy*, J. Ravindra Reddy, K. Vinod Kumar, A. Aliekya | Journal of scientific and Innovative Research JSIR-2013-02349 | "RP-HPLC Method Development and Validation for the Simultaneous Estimation of Paracetamol and Flupiritine Maleate in Pharmaceutical Dosage Forms" |
| 75 | K.V.lalitha, R.Kiranjyothi, B.Padma | International Bulletin of Drug Research., 3(4): 54-62, 2013 | UV spectrophotometric method development and validation for the determination of Atenolol and Losartan potassium by q-analysis" |
| 76 | Ramalingam Peraman, K V Lalitha, Naga Mallikarjuna Raja B and Hari Babu Routhu | Scientia Pharmaceutica sci.pharm.in press doi:10.3797/scipharm.1310-01. | "Identification of Degradation Products and Stability-Indicating RP-HPLC Method for Determination of Flupirtine maleate in Pharmaceutical Dosage Forms" |
| 77 | V. Lokesh Reddy, S.K. Javeed Pasha, Dr. Mohanraj Rathinavelu, Dr. Y. Padmanabha Reddy | IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) e-ISSN: 2278-3008, p-ISSN: 2319-7676. Volume 9, Issue 2 Ver. I (Mar-Apr. 2014), PP 01-00 www.iosrjournals.org | Assessment of Knowledge, Attitude and Perception of Pharmacovigilance and Adverse Drug Reaction (ADR) |

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| | | | |
|----|---|--|---|
| | | | Reporting among the Pharmacy Students in South India |
| 78 | M.Sushma, T.V.V Vidyadhar, Dr. Mohanraj Rathinavelu, Dr. M.Babu. | Vol-2, Issue-4, April-2014, Pharmatutor. | A review on Interstitial Cystitis Syndrome. |
| 79 | M.Sushma, T.V.V Vidyadhar, Dr. Mohanraj Rathinavelu, Dr. M.Babu | March-2014, Pharmatutor | A review on Gas Gangrene and its management |
| 80 | S.Nagarjuna, C.Siva reddy,P.Sireesha. | Biomedicine and preventive nutrition,2013 (In press). | Immunomodulatory activity of water soluble polysaccharides isolated from Metroxylan sagu |
| 81 | T. Srinath Reddy, S. Arafath, Saba Shafeen, Hima Bindu.R, N. Adithya, Nagarjuna.S. | International Journal of Drug Development & Research, 2013,5(2),382-386 | In Vitro Evaluation of Anthelmintic Activity of <i>Gymnema sylvestre</i> Leaves Against <i>Pheretima posthuma</i> |
| 82 | Doppalapudi Sandeep, Sandhya, Chandra Kalyan Reddy Y, Nagarjuna. S, Padmanabha Reddy. Y, Saba Shafeen | Asian Journal of Pharmaceutical and Clinical Research, 2012, 5 (1), 64-68 | Anti-inflammatory activity of <i>Cicer arietinum</i> seed extracts |
| 83 | Sanjeeva Kumar A , Gnananath K , Saibaba Gande , Rajasekhar Goud E , Rajesh P , Nagarjuna S | Journal of Pharmacy Research 2011,4(7),3124-3125. | Anti diabetic Activity of Ethanolic Extract of <i>Achyranthes aspera</i> Leaves in Streptozotocin induced diabetic rats |
| 84 | Chandra Kalyan Reddy. Y, Sandhya. L, Sandeep. D, Ruth Salomi. K, Nagarjuna. S, Padmanabha Reddy. Y. | Asian Journal of Plant Science and Research (Pelagia Research Library), 2011, 1 (3):28-33. | Evaluation of diuretic activity of aqueous and ethanolic extracts of <i>Lawsonia inermis</i> leaves in rats. |

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|----|---|--|--|
| 85 | Kallakunta Ruth Salomi, S. Saba Shafeen, C. Roopesh, Y. Chandra Kalyan Reddy, L. Sandya, S. Nagarjuna and Y. Padmanabha Reddy | Der Pharmacia Lettre (Scholar's Research Library), 2011, 3 (5): 87-93 | Evaluation of immunomodulatory activity of petroleum ether extracts of seeds of <i>Celastrus paniculatus</i> . |
| 86 | Ramya Krishna. P. S, Bhaduri Lavanya, Pulla Sireesha, S. Nagarjuna and Y. Padmanabha Reddy. | Der Pharmacia Sinica (Pelagia Research Library), 2011, 2 (6):17-22. | Comparative study of <i>Acacia nilotica</i> and <i>Acacia sinuata</i> for diuretic activity. |
| 87 | Pulla Sireesha, Doppalapudi Sandeep, S. Nagarjuna, Y. Padmanabha Reddy | Journal of Pharmacy Research 2011, 4(10), 3525-3526 | . Evaluation of anti-inflammatory activity of different solvent extracts of <i>Nicotiana tabacum</i> leaves in rats. |
| 88 | Bhaduri Lavanya, Ramya Krishna P. S., S. Nagarjuna, Y. Padmanabha Reddy. | Journal of Pharmacy Research 2011, 4(9), 2907-2909. | In-vitro comparative study of anthelmintic activity of <i>Brassica juncea</i> and <i>Brassica oleracea</i> . |
| 90 | Ramesh Y, Raghu Murthy V, Nagarjuna S, Viswanath Reddy M, Raveendra M Mallikarjuna Rao K | International Journal of Advances in Pharmacy and Biological Sciences, 2011, 1 (1), 31 – 36. | A Review On Gastroesophageal Reflux Disease |
| 91 | Ramesh Y, Viswanath Reddy M, Mallikarjuna Rao K, Sk.Umadevi, Nagarjuna S, Upendra Rao M | International Journal of Advances in Pharmaceutical Research 2011, 2 (2), 52 – 56 | Formulation And Evaluation Of Tramadol Fast Dissolving Tablets. |
| 92 | Avvari Sanjeeva Kumar, S. Nagarjuna, N. Venkata kullai setty, Ch. Raju, M. Kashinath | International Journal of Advances in Pharmacy and Biological Sciences 2011, 1 (2), 44 – 50. | A Comprehensive Review on Marine Algae And Their Multidisciplinary Activities, |
| 93 | R.Himabindu, B. Jagadish, C. Roopesh, K. Anil, S. Nagarjuna, Y. Padmanabha Reddy, | International Journal of Advances in Pharmaceutical Research 2011, 2 (8), 423 – 426 | In-Vitro Anthelmintic Activity of <i>Rheum Palmatum</i> And <i>Tribulus Terrestris</i> |
| 94 | C. Roopesh, K. Ruth Salomi, S. Nagarjuna and Y. Padmanabha Reddy | International Research Journal of Pharmacy 2011, 2 (11), 163-165 | Diuretic activity of Methanolic and ethanolic extracts of <i>Centella asiatica</i> leaves in rats,. |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|---|--|--|
| 95 | A. Mohan Krishna, K. Sai Rajesh, M. Sudheer, A. Kiran kumar, A. V. Satish Siva Kumar, G. Raja Sekhar and S. Nagarjuna | Journal of Pharmacy Research 2011, 4(6). | New UV-Spectrophotometric Method for the Determination of Lansoprazole in Pharmaceutical Dosage Form and Its application to Protein binding Study. |
| 96 | Ramesh Y, Raghumurthy V, Nagarjuna S, Viswanath Reddy M, Sudheer M, Manikanta M | International Journal of Research in Pharmaceutical Sciences 2011, 2 (3), 344-347. | Development and in vitro evaluation of fast dissolving tablets of imepramine. |
| 97 | K. Jag jeevan Rao, S. Arafath, S. Nagarjuna, Y. Padmanabha Reddy, A.Sanjeeva Kumar | Journal of Pharmacy Research 2011, 4(11). | Anthelmintic activity of different solvent extracts of unripe fruits of Achras sapota prepared by under reflux and sonication, |
| 98 | T.E.G.K. Murthy, S. Nagarjuna, P. Sathar Vali, T. Saritha, G. Madhu Sudhana Rao. | International Journal of PharmTech Research, 2010, 2 (2), 1082-1091 | Lysosomal storage Disorders and Treatment, |
| 99 | T.E.G.K.Murthy, K. Sri Janaki, S. Nagarjuna, P. Sangeetha, S. Sindhura | International Journal of Pharm Tech Research 2010, 2(4), 2152-2160. | T, Biological Response Modifiers, |
| 100 | N.Sreelalitha, E.Vigneshwaran, G.Narayana, Y.Padmanabhareddy, M.Ramakesavareddy | Indian journal of pharmacy practice, 2012:5(2) 38 – 43. | Identification and assessment of the infusion related reactions of medications |
| 101 | N.Sreelalitha, E.Vigneshwaran, G.Narayana, Y.Padmanabhareddy, M.Ramakesava Reddy | International research journal of pharmacy, 2012:3(4) 78 – 79. | Review of pharmaceutical care services provided by the pharmacists |
| 102 | Mr. Naresh babu | Asian J Pharm Clin Res, Vol 6 Suppl 5, 2013, 29-33 | Synthesis, characterisation and anti-tubercular activity of some new 3,5- |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|---|---|
| | | | disubstituted-2,4-thiazolidinediones |
| 103 | Mr. Naresh babu | Afr. J. Pharmacol. Ther. 2013. 2(4): 116-123 | In vitro Antitubercular and Antibacterial activities of isolated constituents and column fractions from leaves of Cassia occidentalis, Camellia sinensis and Ananas comosus |
| 104 | Mrs. M. Parvathi. | International journal of research in pharmacy and chemistry. 2(3), 2012, 889-895 | Intranasal drug delivery to brain: an overview. |
| 105 | Parvathi, M., Prathyusha P, Raveendra reddy J | International journal of research in pharmacy and chemistry. 3(3), 2013, 521-529. | Formulation and evaluation of sintered matrix tablets of metformin hydrochloride and its comparison over unsintered matrix tablets |
| 106 | K. Somasekhar Reddy, Y.Padmanabha Reddy, J.Ravindra Reddy, | Asian journal of chemistry.22(3),2010,2450. | Effect of leucas aspera on lead acetate induced nephrotoxicity in rats |
| 107 | Dr. Ramalingam Peraman | Chromatographia, 76, 17-18, 2013 p.1153-68. | Stability-Indicating RP-HPLC Method for Simultaneous Determination of Metformin Hydrochloride and Sitagliptin Phosphate in Dosage Forms |
| 108 | Dr. Ramalingam Peraman | Scientia Pharmaceutica (The Australian Pharmaceutical sciences); in press. doi:10.3797/scipharm.1305-19 | Development and Validation of Stability-Indicating Assay of Etofenamate by RP-HPLC and |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|---|--|
| | | | Characterization of Degradation Products |
| 109 | Dr. Ramalingam Peraman, DHH Teja et al | Journal of chromatographic sciences (impact factor : 0.8), May 19, 1-6, http://www.ncbi.nlm.nih.gov/pubmed/ . | Stability indicating RP-HPLC method for quantitative analysis of Peridopril Erbumine in tablet dosage form |
| 110 | Dr. Ramalingam Peraman | Inventi: Med. Chem., vol-2 1-6. | Synthesis, characterization, antidiabetic activity and Docking Analysis of New Quinoxaline mannich bases containing Pioglitazone, Glimepiride and thiosemicarbazide moieties |
| 111 | Dr. Ramalingam Peraman | Inventi; Pharm Anal. Quality Assurance. vol. 2, 1-4 | RP-HPLC method development and validation for the quantification of Pioglitazone in cleaning validation |
| 112 | Dr. Ramalingam Peraman | European journal of Experimental Biology, 1(2), 172-177. | Antiinflammatory and antimicrobial activities of the extract of Eclipta alba leaves |
| 113 | Dr. Ramalingam Peraman | Indian journal of Pharmaceutical Sciences, 71(2), p207 | 3D-QSAR Studies of Some Synthesized Quinoxaline Derivatives as Growth inhibitor against Mycobacterium tuberculosis H37RV |
| 114 | Dr. Ramalingam Peraman | Bioorganic & Medicinal chemistry letters, 20, 406-408. | In vitro antitubercular and antimicrobial |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|------------------------|--|---|
| | | | activity of 1-substituted quinoxaline-2,3(1H, 4H)-diones |
| 115 | Dr. Ramalingam Peraman | Anal. Methods, 2, 1043-1050. | Sildenafil and N-desmethyl sildenafil quantification in human plasma by HPLC coupled with ESI – MS/MS detection: Application to bioequivalence study. |
| 116 | Dr. Ramalingam Peraman | Journal of Pharmacy research, 2011, 4(9), 3033-3036 | A stability indicating HPLC method with Diode array Detection for the determination of Atorvastatin Calcium and Fenofibrate in Commercial Tablets, |
| 117 | Dr. Ramalingam Peraman | Journal of Pharmacology and Toxicology, 3, 2010, 716 . | Improvement of dissolution rate and bioavailability of piroxicam with Sapindus mukorossi, |
| 118 | Dr. Ramalingam Peraman | International Journal of Pharmacology and Biological Sciences., vol.2 (2) 13-18. | SAR Study: Impact of Hydrazides, Hydrazones and Sulfonamido Side chain on invitro antimicrobial and antitubercular activity of Quinoxalines, |
| 119 | Dr. Ramalingam Peraman | Indian Journal of Heterocyclic Chemistry, vol.16, Jan – March . 283 – 286. | Antibacterial, Antifungal and antitubercular Screening of some Novel condensed Bridgehead |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|-------------------------------|--|--|
| | | | Nitrogen heterocycles of Quinoxallines |
| 120 | Dr. Ramalingam Peraman | Indian journal of Heterocyclic chemistry, vol.15, April – June, P.no. 359 – 362. | Synthesis of some new coumarino [4,3-b]pyrido [6,5-c] cinnolines as potent antitubercular agents |
| 121 | Dr. Ramalingam Peraman | Journal of Pharmaceutical Research, 6, 10-12 | Antimicrobial and antitubercular activity of some Bis- hydrazine Quinoxallines and its triazoles |
| 122 | T.E.G.K Murthy, P. Ramalingam | The Pharma Review., Aug' - 149-151 | Comparative Study on oral and Transdermal Administration of ditiazem Hydrochloride in Rabbits. |
| 123 | Dr. Ramalingam Peraman | Asian Journal of Chemistry, Vol.20, No.5 (2008), 3353-3356. | Anti microbial and Anti Mycobacterial activity of Some Quinoxalines 'N' Bridgehead Heterocycles |
| 124 | Dr. Ramalingam Peraman | Asian Journal of Chemistry Vol.20, No.5, 4132-4134. | Synthesis of some 'N' Bridgehead Heterocycles containing Quinoxaline and 1,2,4-triazole and their Antifungal and Antitubercular activity |
| 125 | Dr. Ramalingam Peraman | Acta ciencia indica XXXIV C, No.4, 609. | A facile synthesis on triazolo[4,3-a]quinoxalines using acidhydrazides and their antimicrobial and antitubercular activity. |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|---|--|
| 126 | Dr. Ramalingam Peraman | Acta ciencia indica (International Journal of Physical Sciences). XXXI C, No.3, 129. | Cheimanipulation approach at Pharmacophore of Nalidixic acid by Michael addition |
| 127 | Dr. Ramalingam Peraman | Acta ciencia indica . XXXII C, No.4, 433. | Impact of 4-Thiazolidinones and 2-Azetidinones on Antimicrobial spectrum of Nalidixic acid |
| 128 | Dr. Ramalingam Peraman | Acta ciencia indica (International Journal of Physical Sciences). XXXII C, No.4, 335. | A Molecular manipulation approach at Pharmacophore of Nalidixic acid. |
| 129 | Babu Rao,Ch., Ganpaty.S., Ramalingam,P et al | Acta ciencia indica XXXII C, No.4, 363. | Synthesis and Anti Microbial evaluation of Some Schiff bases of 4-Oxo-Quinolino(2,3-c) Pyridines |
| 130 | K. Shilpa, Y. Rajendra, A. Sanjeeva Kumar, D. Vinay Kumar, R. Vinod Kumar, K. Gnananath. | Asian Journal of Pharmaceutical and Clinical Research 2013, 6 (1): 61-63. | “Evaluation of wound healing potential in the bulbs of Crinium defexium Ker Gawl”. |
| 131 | Raghuveer Rodda, Sanjeeva Kumar A, Vijay R Chidrawar, T Ramamohan Reddy | International Journal of Phytopharmacology 2013, 4 (4), 223-229 | Pharmacological screening of synergistic anti diabetic efficacy of Tagetes erecta and Foeniculum vulgare |
| 132 | Mrs. Seeba Dixon | JBCP. 2013 (In Press) | An interventional study on intensive care unit drug therapy assessment in a rural district hospital in India |
| 133 | Somasekhar Reddy*,Y.Padmanabha Reddy,and N.Devanna | Adv.pharmacol.Toxicol.13(3),2012, 27-30 | Antidiabetic activity of a polyherbal formulation (Dia- |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|---|---|---|
| | | | care) |
| 134 | V Lavakumar*, DVR Saigopal, C Sowmya, N Venkateshan, S Janardhan, M Niranjana Babu | British Biomedical Bulletin, 2(1), 2014, 104-116. | Antisense Technology: Oligonucleotides and its Delivery Strategies, |
| 135 | V.Nagesh, Gowtham kumar Vangala, Riddesh Sahoo, Ajey Kumar Reddy C.Haranath and C.Sowmya, | International Journal of Pharmaceutical Sciences Review and Research. 21(2), 2013, n ^o 17, 85-96 | A brief review on oro-dispersible tablets: A popular growing technology |
| 136 | Seeba Zachariah, C. Sowmya | Journal of pharmaceutical and biomedical research, 3(3), 2013, 382-386 | Applications of drug information service for preventing and correcting medication errors in an inpatient hospital setting |
| 137 | C.Sowmya, S.G.Tabasum, V.Varma | Novel Science International Journal of Pharmaceutical Sciences. 01(06), 2012, 322-326. | Formulation and Evaluation of Pioglitazone Microspheres |
| 138 | C.Sowmya, C.Haranath, B.Madhukar | International Journal of Pharmacy and Industrial Research. 02(03), 2012, 267-274 | Formulation and Optimization of Immediate Release Tablets of an Anti-hypertensive drug by Dry granulation method. |
| 139 | R.Hrushikesava Reddy, Roshan Nawale, R.Sunitha, C.Sowmya | Journal of Pharmaceutical Research & Clinical practice., 2(03), 2012, 54-59 | Nanosponges – A New Class of Drug Delivery in Targeting Tumors |
| 140 | Seeba zachariah, C.Sowmya, Dixon Thomas | Int J Med Pharm Sci, 04(03), 2013, 29-33 | Grades of evidences in drug information provided at a rural Indian hospital |
| 141 | Seeba Zachariah*, C. Sowmya, Dixon Thomas, Y. Padmanabha Reddy | Assessment of adherence to drug information service protocol in a rural Indian Hospital | Asian journal of Biomedical and Pharmaceutical sciences, 03(25), 2013, 27-31. |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|---|--|
| 142 | C.Sowmya, N.Siva Prasad, G.Bharath kumar | International Journal of Pharmacy and Industrial Research.,02(03), 2012, 228-234. | Preparation and evaluation of Ofloxacin Microemulsion Gel |
| 143 | V.Varma, C.Sowmya, SG.Tabasum | Research Journal of Pharmaceutical, Biological and Chemical Sciences.,03(03),2012, 929- 940 | Formulation and Evaluation of Piroxicam Solid dispersions with suitable carrier |
| 144 | C.Sowmya, M.Santhosh Raja | International Journal of Pharmacy and Industrial Research., 02(02),2012,177-190. | Formulation and In-vitro Evaluation of Venlafaxine Matrix Tablets |
| 145 | C.Sowmya, G.Bharath Kumar, N. Siva Prasad, | International Journal of Pharmacy and Industrial Research.,02,(03),2012,212-217. | Dissolution Enhancement of Pioglitazone Hydrochloride using β - Cyclodextrin |
| 146 | Sowmya C, Varma V and Tabasum SG | Research Journal of Pharmaceutical, Biological and Chemical Sciences.,03(04),2012,247-262 | pH and Microbially Triggered Release of Aceclofenac to large intestine for the treatment of Rheumatoid Arthritis |
| 147 | C.Sowmya, Y.P.Reddy, M.Kiran kumar, M.Santhosh | International Journal of Chemical Sciences., 09(01),2011,52-58 | Development and validation of Spectrophotometric Method for the estimation of venlafaxine in Bulk and Formulations |
| 148 | Kiran Kumar, Y.P.Reddy, V.Kiran Kumar, C.Sowmya | Int. Journal of Pharmaceutical Sciences Review and Research,03(02), Article 027, 2010 | Development of Matrix and Coated units for pH- Independent Release of a Weakly Basic Drug. |
| 149 | C.Sowmya, Y.Padmanabha areddy, J.Ravindra Reddy | International Journal of Chemical Sciences,08(02),2010,983-990 | Simple UV Spectrophotometric methods for the estimation of Ofloxacin in |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|---|--|---|
| | | | Pharmaceutical Formulations |
| 150 | Y.Padmanabha Reddy, J.Ravindra Reddy, C.Sowmya | Asian Journal of Chemistry, 21(03),2009,2473-2475 | Spectrophotometric Estimation of Ofloxacin in Pure and Pharmaceutical Dosage Forms |
| 151 | Reddy Y.P., Reddy J.R., Sowmya C. | Indian Drugs, 47(03),2010,5-13 | Review : Polymers in Colon Drug Targeting |
| 152 | Y.Padmanabha Reddy, C.Sowmya, M.Santhosh Raja, | International Journal of Chemical Sciences, 07 (03), 2009, 1624-1628. | Spectrophotometric Method for the Estimation of Glimepiride in Bulk and Pharmaceutical Formulations |
| 153 | K.Raghupavan kumar, B.Suresh, T.Chaitanya,,, Cherukuri Sowmya | International Research Journal of Pharmacy., 03 (07), 2012, 45-55. | Colon Specific Drug Delivery Systems: A Review on Pharmaceutical Approaches with Current Trends |
| 154 | C.Sowmya, C.Suryaprakash Reddy, S.G.Tabasum, V.Varma | International Journal of Pharmacy&Technology,4(02),2012, 2143-2156. | An Overview on Bi-Layer Tablets |
| 155 | Cherukuri Sowmya, Dindigala Anilkumar, Vadla Amrutha. | International Research Journal of Pharmacy, 03(07), 2012, 108-115. | Liquisolid Technique: A Novel Approach to Enhance Solubility and Bio-Availability of BCS-II Drugs |
| 156 | C.Sowmya, C.Suryaprakash Reddy, V. Amrutha | International Journal of Pharmacy and Industrial Research. 02 (02), 2012, 197-211. | Transdermal Therapeutic Systems-An Overview |
| 157 | K. Somasekhar Reddy*,K. Vijaya Nirmala,N.Vidya Sagar | Adv.pharmacol.Toxicol.12(2),2011, 67-70. | Nephroprotective activity of liv 52 on warm ischemia/reperfusion-induced oxidative renal injury in rats |
| 158 | K. Somasekhar Reddy*, Y.Padmanabha Reddy, | Asian journal of chemistry.22(3),2010,2450-24 | Effect of leucas aspera on lead |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|--|---|
| | J.Ravindra Reddy | | acetate induced nephrotoxicity in rats |
| 159 | C.Praveen, C.Sowmya, C. Suryaprakash Reddy | International Journal of Research in Pharmaceutical and Biomedical Sciences., Vol 4 Issue 2, apri-june 2013 | Formulation and In Vitro evaluation of Liposomes containing Metformin Hydrochloride |
| 160 | Sowmya C, Suryaprakash Reddy C, Varma V | Research Journal of Pharmaceutical, Biological and Chemical Sciences.,Vol-03, Issue-04, p.247-262.,Oct-Dec. 2012 | pH and Microbially Triggerred Release of Aceclofenac to large intestine for the treatment of Rheumatoid Arthritis |
| 161 | Triveni.S, Naresh babu.C | Asian J Pharm Clin Res, Vol 6 Suppl 5, 2013, 29-33 | Synthesis, characterisation and anti-tubercular activity of some new 3,5-disubstituted-2,4-thiazolidinediones |
| 162 | K.Aishwaryalakshmi, B.Sasikala, N.Sreelalitha, E.Vigneshwaran, Y.Padmanabhareddy | Indian journal of pharmacy practice, 2012:5(3) 75 – 78 | Assessment of knowledge perception and attitudes on medications in general population |
| 163 | U.Sushitha, M.P.Srujana, E.Vigneshwaran, Y.Padmanabhareddy | International journal of community pharmacy, 2012. | Self-medication practices – perspective of rural south India |
| 164 | Dr. M. V. Jyothi | Journal of Chemical and Pharmaceutical RESEARCH, 2012, 4(5):2626-2630 | Synthesis and Antimicrobial activity Evaluation of some Novel Pyrazolines |
| 165 | Dr. M. V. Jyothi | Chem Sci Trans., 2012,1(3),1012-1016 | Synthesis and Antimicrobial Activity of Some Novel Chalcones of 3-Acetyl Pyridine and their Pyrimidines |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|---|---|
| 166 | Dr. M. V. Jyothi | Int. Journal of Pharmacy & Industrial Research Vol – 02 Issue – 03 Jul – Sep 2012 | Design, synthesis and pharmacological evaluation of novel pyrimidines and pyrazolines of new Chalcones |
| 167 | K.Vinod Kumar, J.Dharuman and A. Karuna sree | International Journal of Pharma and Bio Sciences, 1(4), 2010, 87-92. | RP-HPLC method development and validation for simultaneous Estimation of Sulbactam and Cefoperazone in dosage form and In plasma |
| 168 | Vinod Kumar K, Sudhakar M, Padmanabha Reddy Y | Current Pharma Research, 2(1), 2011, 404-410 | Method development and validation for simultaneous estimation of Pioglitazone and Glimepiride in tablet dosage form by RP-HPLC and UV-Spectrophotometric method |
| 169 | P. Bhargavi*, B. P. Ramalingam, K. Vinod kumar | Journal of Pharmacy Research,4(11), 2011.4001-4002 | Visible Spectrophotometric Method for the estimation of Amlodipine Besylate in tablet dosage forms |
| 170 | Dr.P.Ramalingam, D.Hari Hara Theja, K.Vinod kumar. | Journal of Pharmacy Research,4(11), 2011.4139-4141 | New UV-Spectrophotometric Method for the Determination of Losartan potassium in Pharmaceutical dosage form and its application to Protein binding study |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|---|---|--|
| 171 | K.Vinod kumar, Dr.M.Sudhakar, Dr.Y.P.Reddy | Journal of Pharmacy Research,4(12), 2011.4672-4674 | Development and validation of UV spectrophotometric method for simultaneous estimation of simvastatin and ezetimibe in combined dosage form using simultaneous equation method |
| 172 | B. Ramya, K. Vinod Kumar, P. Ramalingam | IJPSR, 3(11), 2012, 4301-4305 | UV Derivative Spectrophotometric Method For Simultaneous Estimation Of Metaxalone And Diclofenac Potassium In Combined Dosage Form |
| 173 | P. V. Vamshi Krishna, K. Vinod Kumar, P. Ramalingam | Am. J. PharmTech Res. 2(4), 2012; 895-901. | Simultaneous Determination of Lamivudine, Zidovudine and Nevirapine in Tablet Dosage Forms by RP-HPLC |
| 174 | Dr.Rajarajeshwari Byram, Dr.Dixon Thomas Dr.Shanmugamari Kannan, Seeba Zachariah | Journal of Clinical and Diagnostic Research. | Cost-analysis of the WHO Essential Medicines List in A Resource-Limited Setting: Experience from A District Hospital in India |
| 175 | Soumadip Das, Rajat Rana, Aravinda Swami, C K Dhanapal, Sandra Leal | International journal of pharmacy | A Metaanalysis Of Taxanes, Antitumor Antibiotics And Platinum Containing Chemotherapy Regimens In The |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|---|---|--|
| | | | Management Of Metastatic Breast Cancer |
| 176 | Dr Rajat Rana, SappaDilip Kumar, Dr Soumadip Das, Dr Aravinda Swami, Dr Doreen Pon, Dr K K Perumal. | Journal of medical science and clinical research | Meta-Analysis of Ado-Trastuzumab Emtansine in Patients with HER2-Positive Advanced Metastatic Breast Cancer |
| 178 | Rajat Rana, Soumadip Das, | American journal of pharmacy and health research | Overall Survival & Tumour response rate in Metastatic Breast cancer Chemotherapy |
| 179 | S. Ramesh, S. Chidambaramnathan, Aravinda Swami, Ajit Singh | Archives of pharmacy practice | Seizure relapse based upon Withdrawal period of Antiepileptic drugs in Pediatric epilepsy Patients |
| 180 | Rajat Rana, Soumadip Das, Aravinda Swami, Doreen Pon, S. Ramesh, SappaDilip Kumar | Asian journal of medical sciences | Strategic therapeutic approaches to overcome emerging dual SRC/ABL kinase inhibitors resistances in chronic phase Ph positive chronic myeloid leukemia |
| 181 | E. Bhargav*, N.madhuri, Ramesh, Ravi | World Journal of Pharmacy and Pharmaceutical Sciences | Targeted drug delivery system- A review |
| 182 | Ravi*, E. Bhargav, Vishnu datta | World Journal of Pharmacy and Pharmaceutical Sciences | Thiomers fresh drift of polymers and their prospective in pharmaceuticals |
| 183 | B. Dhanalakshmi, Dr. Mohanraj Rathinavelu, Dr. Y. Padmanabha Reddy | IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS), e-ISSN: 2278-3008, p-ISSN:2319-7676. Volume 9, Issue 2 Ver. V (Mar-Apr. 2014), PP 01-07 | Assessment of Antibiotic Use in a Secondary Care Referral Hospital of South India |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|--|---|---|
| | | www.iosrjournals.org | |
| 184 | Dipak. D. Bharambe , Dr. Mohanraj Rathinavelu, Dr. Dixon Thomas, Dr. Y. Padmanabha Reddy | IOSR Journal Of Pharmacy, (e)-ISSN: 2250-3013, (p)-ISSN: 2319-4219, www.iosrphr.org Volume 4, Issue 8 (August 2014), PP. 37-4237 | Epidemiology of Poisoning and Perception towards Poison Management Guidelines in Pediatricians of a Rural Children's Hospital in India |
| 185 | N. Jagadeesh*, Balaiah. S, Dr.Mohanraj. R , Dr.Y.Padmanabha Reddy | Mintage journal of Pharmaceutical & Medical Sciences, 4-6. Vol 3 Suppl 2, May 2014 www.mintagejournals.com | Prevalence of Childhood Illness in Draught Prone Villages of South India |
| 186 | Vamsi Krishna.B, Dr.Mohanraj Rathinavelu, Dr. Y. Padmanabha Reddy | WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES Volume 3, Issue 5, 1032-1043. Research Article ISSN 2278 – 4357 | Estimation of Osteoporosis Risk Among Women Attending Orthopaedic Clinics in South India |
| 187 | Suresh Chenchu, Dr. Mohanraj Rathinavelu | International Journal of Science and Research (IJSR), ISSN (Online): 2319-7064. Volume 3 Issue 10, October 2014 | Healthcare Professionals Knowledge Attitude and Practices towards Pharmacovigilance and Adverse Drug Reactions (ADRS) in India |
| 188 | Balaiah. S, Tirupa. M, Dr. Mohanraj. R, Dr. Y. Padmanabha Reddy | International Journal of Pharmacy and Pharmaceutical Sciences, ISSN-0975-1491 Vol 6, Issue 7, 2014 | Assessment of Pharmaceutical Care Services on Health Related QoL in Patients with Type 2 Diabetes Mellitus – A Prospective Interventional Study |
| 189 | Venkateswara Rao, Dr. Y. Padmanabha Reddy, Dr. Mohanraj Rathinavelu | Int J. Pharm. & H. Care Res., Vol - 02 (04) 2014 [198-204] | A Pharmacovigilance Study in the |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | | |
|-----|---|--|--|
| | | | Department of Chest & Tuberculosis on Anti-Tubercular Therapy in a Tertiary Care Teaching Hospital of South India |
| 190 | Bijoy Thomas, Leo Matthew, Jerrin Jose, Mohanraj Rathinavelu, Sriram Shanmugam, Krishna Kumar | Asian J Pharm Clin Res, Vol 7, Issue 5, 2014, 155-159 | Assessment of Antibiotic Sensitivity Pattern of Microorganisms and their Cost-Effectiveness at a Private Corporate Hospital in South India |
| 191 | Manoj Kumar B, Gerardo Alvarez Uria. | Journal of Pharmaceutical and Health Science. Nov – 2011: 1(4); 154 – 157. | Assessment of knowledge about HIV/AIDS among Public – A Rural perspective of South India. |
| 192 | Y. Padmanabha Reddy, N. Devanna, B.Manoj Kumar, Y. Samhitha Reddy. | International Journal of Research in Pharmaceutical and Biomedical Sciences. April-June 2011: 2(2); 510-515. | Evaluation of Barriers in Condom Use – A Cross Sectional Survey. |

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Table. 35 Funded R & D Projects and Consultancy Work (FRDC)

| S. No | Title of Project | Funded By | Year | Amount Sanctioned | Investigator & Co-Investigator |
|-------|--|-----------|------|-------------------|---|
| 01 | Design, fabrication and evaluation of controlled delivery systems using modified natural polymers for anti diabetic therapy | AICTE | 2013 | 10.05 Lakhs | Dr. C. Sowmya Y. Dr. Padmanabha Reddy |
| 02 | Development of Natural and Semi Synthetic Lead Molecules and their Formulation in Tuberculosis | AICTE | 2012 | 10.65 Lakhs | Dr. Padmanabha Y. Reddy Dr. P. Ramalingam |
| 03 | Design, Fabrication and Evaluation of Controlled Drug Delivery Systems using Modified Natural Polymers for Anti-Diabetic Therapy | AICTE | 2013 | 8.4 Lakhs | Dr. C. Sowmya Y. Dr. Padmanabha Reddy |

Table. 36 University Grant Commission (UGC) - Research Proposals Submitted - 2014

| S. No | Principal Investigator | MRP ID - 2014 | Title |
|-------|-------------------------|---------------------------|--|
| 01 | Dr. Y. Padmanabha Reddy | MRP-MAJOR-PHAR-2014-60968 | Design, development and efficacy evaluation of polyherbal oral formulations for diabetes mellitus |
| 02 | Dr. J. Raveendra Reddy | MRP-MAJOR-PHAR-2014-64549 | Development of standardization protocol and efficiency evaluation procedure for existing herbal formulations |
| 03 | Dr. P. Ramalingam | MRP-MAJOR-PHAR-2014-60969 | Identification, isolation and evaluation of natural lead molecules from Indian plant origin for the treatment multi-drug resistant tuberculosis (MDR-TB) |
| 04 | Dr. C. Sowmya | MRP-MAJOR-PHAR-2014-61889 | Oral targeted delivery of natural Anti cancer drugs: Formulation optimization, characterization and functionality evaluation of drug loaded Nanoparticles. |
| 05 | Dr. M.V. Jyothi | MRP-MAJOR-PHAR-2014-62068 | Isolation, characterization and screening of natural and semi synthetic leads for colon cancer |
| 06 | Dr. E. Vigneshwaran | MRP-MAJOR-PHAR-2014-65293 | Knowledge, practice and attitude towards generic medicines among practising community pharmacists in |

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| | | | |
|----|---------------|---------------------------|---|
| | | | Rayalaseema region - A Cross Sectional Study |
| 07 | Dr. M. Jaffar | MRP-MAJOR-PHAR-2014-70744 | Investigation of seeds of Nigella species for its anticancer potency. |

Table. 37 All India Council for Technical Education (AICTE)- Research Proposals Submitted - 2014

| S. No | Name of the Investigator | AQIS Application ID | AQIS Schemes | Faculty ID |
|-------|--------------------------|---------------------|--------------|-------------|
| 01 | Dr. Y. Padmanabha Reddy | 1-1940064071 | MODROBS | 1-465028693 |
| 02 | Dr. J. Raveendra Reddy | 1-12058108133 | MODROBS | 1-465028697 |
| 03 | Dr. P. Ramalingam | 1-1940064075 | RPS | 1-462441812 |
| 05 | Dr. M.V. Jyothi | 1-1960981911 | FDP | 1-463279195 |
| 06 | Mrs. M. Geethavani | 1-1940064078 | FDP | 1-463279159 |

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

YES

The institution has monitors the research activities of students through a committee called Research Review Committee comprising of head of institute, all department heads, and experts from other universities as advisory board members for scrutinizing of the research work and making decision on the same, and sanction the approvals.

The research work involving animals are scrutinized by IAEC.

The research work involving human/clinical studies are scrutinized by IRB.

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

Approval of research grants by the statutory bodies like AICTE and PCI, and the affiliating university JNTUA.

Organizing workshops on biostatistics and research methodology.

Encouraging the researchers to publish their research works.

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3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes/projects?

The institution is the first centre for pharmaceutical research has approved by affiliating university.

Currently the institution is planning for preparation of bye-laws on R & D cell.

3.1.5 Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

- National Level Seminar on “Pragmatic View On Pharmacovigilance And Therapeutic Outcome”, May 5th 2015., organized by Raghavendra Institute of Pharmaceutical Education & Research in association with IPA Ananthapuramu local branch and (ISPOR) International Society for Pharmacoeconomics & Outcomes Research – India Regional Chapter.
- National Seminar on Current Trends and Future Perspectives in Pharmacology and Pharmaceutical Research 14th March 2015, organized by Raghavendra Institute of Pharmaceutical Education & Research in association with IPA Ananthapuramu local branch.
- Inauguration of Indian Pharmaceutical Association (IPA) Ananthapuramu Local Branch 5th March 2015, organized by Raghavendra Institute of Pharmaceutical Education & Research – RIPER.
- National Level Seminar on Healthcare and Outcomes Research 27th December 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) – India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training 22nd December 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad.
- National Symposium on Advances in Pharmaceutical Research 15th November 2014 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Royal Society of Chemistry (London) – Deccan Section.

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- RIPER'S INNOVATION CONFEX 19th July 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER).
- Indo - European Symposium on Pharmacoeconomics Policies 3rd March 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- National Workshop on Methodology Development in Healthcare Research 30th November 2013, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- National Conference on Patient Reported Outcomes in Pharmacovigilance 24th March 2013 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training 24th February 2013, Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad.
- National Conference on Emerging Trends in Pharmaceutical Sciences 22nd December 2012, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) Anantapuramu, Andhra Pradesh.
- International Conference on Pharmacoeconomics and Good Pharmacy Practice 13th - 14th October 2012, organized by Raghavendra Institute of Pharmaceutical Education and Research - RIPER in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- Workshop on HPLC as an Analytical Tool 8th - 9th March 2012, organized by Raghavendra Institute of Pharmaceutical Education & Research - RIPER, in association with Chromatographic Society of India.

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- Golden Jubilee National Pharmacy Week (NPW) Celebrations 10th – 15th DEC 2011 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli Indian Pharmaceutical Association (IPA) – Education Division and AP State Pharmacy Council.
- National Workshop on Product Development Stability Testing and Safety – Current Trends 7th August 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER).
- National Workshop on Clinical Practice & Research – Through Pharm.D Education 9th – 10th July 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Indian Pharmaceutical Association (IPA) – Community Pharmacy Division and RDT Hospitals Bathalapalli, Anantapur, A. P.
- National Seminar on Professionalism through Pharm D Education 9th April 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, AP.
- Seminar on Evidence Based Clinical Practice 18th March 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India..
- Continuing Nursing Education for RDT Nurses “Patient Safety – Dose Calculations” 30th October 2010 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India.
- Continuing Nursing Education for RDT Nurses “Patient Safety – Medication Errors 22 September 2010 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India
- Workshop on “Pharm D – Global Perspectives” In RIPER & RDT Hospital Auditoriums 20th – 21st August 2010, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India.

3.1.6 How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

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The institution plays a keen role in educating the students, faculty researches by inviting subject experts, resource person, eminent person in the field of pharmaceutical science and research both national and international level, as speakers in the conferences/workshops/seminars and symposium organized by RIPER, which creates a platform of interaction and integration of increasing the potential ideas on research.

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

The institution R and D cell conducts biannual meetings and discuss the demands on improving research activities in the college for which suggestion from research review committee is obtained and is discussed in governing body council meetings resulting in unbiased scrutiny, promotion and sanction process.

3.1.8 In its budget, does the university earmark fund for promoting research in its affiliated colleges? If yes, provide details.

As per norms of affiliating university JNTUA.

3.1.9 Does the institution encourage research by awarding Postdoctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the institution and other sources.

Open provision for all the doctorates to carry out post doctoral research has been made.

3.1.10 What percentage of faculty have utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the institution monitor the output of these scholars?

One of our institution faculty Dr. E. Vigneshwaran, Division of pharmacy practice as completed the following short courses:

- Completed short course on **“Meta - analysis and systematic literature review in comparative effectiveness research”** provided by International Society for Pharmacoeconomics and Outcomes and Research (ISPOR) at the ISPOR 6th Asia - Pacific conference, Beijing international convention center, Beijing, China.
- Completed short course on **“Budget impact and cost analysis”** provided by International Society for Pharmacoeconomics and Outcomes and Research (ISPOR) at the ISPOR 6th Asia - Pacific conference, Beijing international convention center, Beijing, China.

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- Completed short course on **“Introduction to modeling”** provided by International Society for Pharmacoeconomics and Outcomes and Research (ISPOR) at the ISPOR 6th Asia - Pacific conference, Beijing international convention center, Beijing, China.

3.1.12 Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

Table. 38 Details of national and international conferences organized by the institution highlighting the names of eminent scientists

| | | |
|--|--|--|
| <p>National Level Seminar on Healthcare and Outcomes Research 27th December 2014</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P</p> | <p>Dr. K.T. Mani Senthil Kumar, Head, Dept of Pharmacology, KMCH, Coimbatore, Tamil Nadu. Dr.Maruthi Prasad Palthur, Vice President - Technical Operations & Regulatory Affairs, Ascenthra Healthcare, USA. Dr.Jitendar Kumar Sharma, Head, Division of Healthcare Technology, National Health System Resource Center, Ministry of Health and Family Welfare, Govt of India. Dr.AnjuGopan, Senior Clinical Research, ICON Clinical Research, Kerala.</p> |
| <p>Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training. 22nd December 2014</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad</p> | <p>Prof. K. Bhadrappa, Consultant Swaroop Tech, Hyderabad. Dr. P. Ramalingam, Professor. Analytical Chemistry, Gulf Medical University, UAE.</p> |
| <p>National Symposium on Advances in Pharmaceutical Research 15th November 2014</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Royal Society of Chemistry (London) - Deccan Section</p> | <p>Dr. V. Peesapati, Professor & Hon. Secretary, RSC - Deccan Section, Hyderabad. Dr. S. Nageswara Rao, Chief Scientist, CSIR - IICT, Hyderabad Dr. Sistla Ramakrishna, Principle Scientist, CSIR - IICT, Hyderabad Dr. K.J. Satyanarayana, Scientific Manager, Biocon,</p> |

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| | | |
|---|--|---|
| | | Bangalore. |
| RIPER'S INNOVATION CONFEX 19 th July 2014 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) | Dr. C. Sowmya P.G Director, RIPER, A. P Dr. P. Ramalingam, Professor. Analytical Chemistry, Gulf Medical University, UAE. |
| Indo - European Symposium on Pharmacoconomics Policies. 3 rd March 2014 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P | Dr. Y. Padmanabha Reddy Professor & Principal, RIPER, ATP, Andhra Pradesh Dr. David Danko Research Leader, Corvinus University, Hungary Dr. Rajan Shukla, Assoc Professor, Indian Institute of Public Health, PHFI |
| National Workshop on Methodology Development in Healthcare Research November 30, 2013 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter. | Dr. Anil Tumkur MCOPS, Manipal, Karnataka Dr. G. Kannan SRMU, Chennai, Tamil Nadu Dr. Simu Thomas, Novartis, Hyderabad Dr. Dixon Thomas RIPER, Andhra Pradesh |
| National Conference on Patient Reported Outcomes in Pharmacovigilance 24 th March 2013 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter | Dr. Hari Hara Nadha Sharma Medical Director, RDT Hospitals, Bathalapalli, A. P Dr. Y. K. Gupta Professor & Head, Dept of Pharmacology. AIIMS, India Dr. A. Nagappa, Professor MCOPS, Karnataka |
| Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training. 24 th February 2013 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad | Prof. K. Bhadrappa, Consultant Swaroop Tech, Hyderabad. |
| National Conference on Emerging Trends in Pharmaceutical Sciences 22 nd December 2012 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) | Dr. R. Sirish Kumar C.E.O & Director Rachem Pharma, Hyderabad. |
| International Conference | Raghavendra Institute of | Dr. Simu Thomas, |

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| | | |
|--|---|--|
| <p>on Pharmacoeconomics and Good Pharmacy Practice 13th - 14th October 2012</p> | <p>Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and Indian Pharmaceutical Association (IPA) - Community Pharmacy Division and Anantapur District Druggists and Chemists Association and RDT Hospitals Bathalapalli, Anantapur, A. P</p> | <p>Global Head, HE & OR Modelling, Novartis, USA Dr. Soraya Azmi, MD, Azmi Burhani, Malaysia Dr. Subodh Kandamuthan Administrative Staff College, Hyderabad, A. P Dr. Bhagvan PS, Registrar, Karnataka, State Pharmacy Council, Bangalore. Dr. Dixon Thomas, Head, Department of Pharmacy Practice, RIPER, ATP, A.P. Dr. Mohanraj Rathinavelu Assistant Professor, Department of Pharmacy Practice, RIPER, ATP, A.P Mr. Nitish J Viramgama, CEO, Pharma Vision, Australia.</p> |
| <p>Workshop on HPLC as an Analytical Tool 8th - 9th March 2012</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Chromatographic Society of India</p> | <p>Ms. Vanishree Acharya Director, Kromaspects SciTec Solutions Pvt Ltd., Bangalore Dr. P. Ramalingam Head, Dept P.A & Q.A, RIPER</p> |
| <p>National Workshop on Product Development Stability Testing and Safety - Current Trends 7th August 2011</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER)</p> | <p>Dr. C. Sowmya, Head, Dept of Pharmaceutics, RIPER.</p> |
| <p>National Workshop on Clinical Practice & Research - Through Pharm.D Education. 9th - 10th July 2011</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Indian Pharmaceutical Association (IPA) - Community Pharmacy Division and RDT Hospitals Bathalapalli, Anantapur, A. P</p> | <p>Dr. M. Ramesh, Professor. JSS University, Mysore Dr. T. Durgesh, Head, Dept of Pediatrics, RDT Hospitals Bathalapalli, A.P</p> |
| <p>National Seminar on Professionalism through Pharm D education. 9th April 2011</p> | <p>Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, AP</p> | <p>Dr. B. Suresh, President, Pharmacy Council of India. Dr. S. Sriram, Professor, college of pharmacy, SRIPMS, Coimbatore. Dr. B.J. Mahendrekumar, Professor, ACCP, Mandya</p> |

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| | | |
|--|--|---|
| Seminar on Evidence Based Clinical Practice. 18 th March 2011 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, AP | Dr. Adepu Ramesh, Professor, JSS College of Pharmacy, Mysore. Dr. Gerardo Alvarez Uria, Head, Dept. of Infectious Diseases, RDT Hospital, Bathalapalli |
| Continuing Nursing Education for RDT Nurses "Patient Safety - Dose Calculations". 30 th October 2010 | Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, AP | Mr. Gonzalo Rubinos Macias, Male Nurse, RDT Hospital Mr. Dixon Thomas, Assoc. Professor, RIPER |

3.1.13 Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

- The institution has a well established Research review committee
- Eminent advisory board members in the research review committee
- IAEC is present in the institute which governs animal studies
- IRB is present in the institute which governs human studies
- Students are encouraged to publish their research work in reputed journals
- Students/researchers are exposed to scientific writing through the institute publications RIPER-PDIC and RIPER-Chemistry news letter
- Institute regularly conduct seminars/workshops/symposium/training modules by inviting subject experts and resource person for instilling innovative ideas on research.
- Library facility with all different type of resources (primary, secondary and tertiary) is made.
- Good internet facilities for both students and faculties are provided.
- Researchers are allowed to participate in seminars/workshops/symposium/training modules overseas and national.
- Guidance on manuscript and scientific writing.
- MoU with hospitals, industries and R & D companies for training students in up-coming research areas.

3.1.14 Does the institution facilitate R and D for capacity building and analytical skills in product development like diagnostic, kits, biomedical products, etc. for the national / international market, Development of entrepreneur skills in health care, Taking leadership role

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for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics, Cellular and Molecular, Biology, Nanoscience, etc.

YES

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy?

Not Applicable.

3.2 Research Mobilization of Research

3.2.1 How many departments of the institution have been recognized for their research activities by national / international agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Raghavendra Institute of Pharmaceutical Education and Research – RIPER, was recognized as Centre for Pharmaceutical Research by the affiliating university, JNTUA to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences during the year of 2014.

In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.

Kindly refer Table. 35, Table. 36, and Table. 37

3.2.2 Provide the following details of ongoing research projects of faculty

Kindly refer Table. 35, Table. 36, and Table. 37

3.2.3. Does the institution have an Intellectual Property Rights (IPR) Cell?

NO

3.2.4. Has the institution taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

The management itself takes care of all the issues with regard to the filing of patents including the payments to be made in this regard for filing patents. Up to know 1 as been made.

3.2.5. Does the institution have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

NO

3.2.6 List details of a. Research projects completed and grants received during the last four years (funded by National/International agencies). b. Inter-institutional collaborative projects and grants received

i) National collaborations

ii) International collaborations

Kindly refer Table. 35, Table. 36, and Table. 37

3.2.7 What are the financial provisions made in the institution budget for supporting students' research projects?

The institution takes care of the financial provisions in allocating budget for supporting student's research projects in following ways:

- Institution satisfies the financial needs of students on purchasing the chemicals, instrumentation, laboratory wares, and transportation to research site.
- Facilities of computer laboratory with high speed internet, printers, and scanners are provided.
- The institution has a financial responsiveness of organizing seminars/conferences/workshops for instilling innovative research ideas in the student community.
- Students are provided with partial / full financial assistance towards the expenditure for participating in conferences and seminars.

3.3 Research Facilities

3.3.1 What efforts have been made by the institution to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

- Raghavendra Institute of Pharmaceutical Education and Research – RIPER, was recognized as Centre for Pharmaceutical Research by the affiliating university, JNTUA to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences during the year of 2014.
- The institution has a sophisticated instrumentation laboratory, with air-conditioned facility and adequate infrastructure for conducting research.
- All the division / departments have well structured laboratories and computer facilities.
- Each department is provided with a departmental library

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- Separate provisions are made for research scholars to access internet.
- Research review meetings are conducted on a weekly basis to facilitate continuous monitoring, overcoming hurdles and also to expose the junior research scholars.

Table. 39 Facilities available in Division of Pharmaceutical Analysis and Quality Assurance

| S.No | Name of the Instrument / Equipment | Mfg. by / supplier | No. available |
|------|---|-------------------------------------|----------------|
| 1 | UV - Visible Spectrophotometer (Double Beam) | Lab India Systronics | 01 01 |
| 2 | Polarimeter | Systronics | 02 |
| 3 | HPLC (LC Agilent 1120) with UV HPLC (LC Agilent, 1200) with PDA | Agilent Tech. | 02 |
| 4 | HPLC Columns C18 (250mm x 4.6 mm, 5 micron) C8 (250mm x 4.6 mm, 5 micron) C18 (150mm x 4.6 mm, 5 micron) | Agilent Qualisil Gold Agilent | 03 02 01 |
| 5 | Gas Chromatograph - FID | Bruker | 01 |
| 6 | FT - IR (ATR, KBr disc, Liquid cell) | Bruker | 01 |
| 7 | Sonicator | Powergesic | 01 |
| 8 | Humidity / Environmental Chamber | Remi | 01 |
| 9 | Cooling incubator | Remi | 01 |
| 10 | Colorimeter | Systronics | 02 |
| 11 | Colorimeter | Elico | 02 |
| 12 | Digital Melting point Apparatus | Remi | 01 |
| 13 | Flame Photometer | Systronics | 01 |
| 14 | Photofluorimeter | Systronics | 02 |
| 15 | Nephlo - Turbidimeter | Systronics | 01 |
| 16 | pH Meter | Systronics | 03 |
| 17 | Conductivity meter | Systronics | 03 |
| 18 | Polarograph | Systronics | 01 |
| 19 | Universal titrator (KF) | Systronics | 01 |
| 20 | KBr Pellet Press | Bruker | 01 |
| 21 | Micropipette 100, 1000, 10 micro liters | Eppendref | 04 |
| 22 | Muffle furnace | Remi | 01 |
| 23 | Heating mantle | Remi | 05 |
| 24 | Magnetic stirrer | Remi | 04 |
| 25 | Glass Column (Preparative) | JSGW | 02 |
| 26 | Glass Column (Pilot) | JSGW | 02 |
| 27 | Gel Electrophoresis (Horizontal) Unit | JSGW | 01 |
| 28 | Azeotropic distillator | JSGW | 02 |
| 29 | Clavenges Apparatus | JSGW | 02 |
| 28 | Kjeldhal Apparatus | JSGW | 01 |
| 29 | Beckmann Apparatus | JSGW | 01 |
| 30 | Leurquin Apparatus | JSGW | 01 |
| 31 | All Glass Distill Unit | JSGW | 01 |

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| | | | |
|----|-------------------------------------|------------|----|
| 32 | Digital High Precision Balances | LC - GC | 05 |
| 33 | Landsberger Apparatus | JSGW | 01 |
| 34 | TLC Chamber | JSGW | 07 |
| 35 | TLC Spreader (0.5, 1.0, 1.5, 2 mm) | JSGW | 01 |
| 36 | Hot air Oven | Kemi | 02 |
| 37 | Water bath Electrically Heated | Kemi | 01 |
| 38 | UV - Chamber | Systronics | 02 |
| 39 | Soxhlet Apparatus | Borosil | 02 |
| 40 | Physical Balance | Keroy | 10 |
| 41 | Refrigerator | Godrej | 01 |
| 42 | Vacuum Desiccators' | Borosil | 02 |

Table. 40 Facilities available in Division of Pharmaceutics / Pharmaceutical Technology

| S.No | Name of the Instrument / Equipment | Mfg. by / supplier | No. available |
|------|------------------------------------|----------------------|---------------|
| 1 | Brookefield viscometer DV-II+PRO | Amkette analyticals | 1 |
| 2 | Dissolution test apparatus-DS8000 | Lab india | 1 |
| 3 | Dissolution tester USP-TDT-08L | Electrolab | 1 |
| 4 | Dissolution rate test apparatus | DBK | 1 |
| 5 | Rotary tablet punching machine | Rimek, Pharma Tool | 2 |
| 6 | Single station tablet press | Dolphin | 3 |
| 7 | Tap density tester-ETP 1020 | Electrolab | 1 |
| 8 | Disintegration test apparatus | Electrolab, Lab hosp | 1 |
| 9 | Franz diffusion cell | Boresil glass works | 1 |
| 10 | Incubator | Scientific eng. co. | 1 |
| 11 | Ball mill | Dolphin | 2 |
| 12 | Friability test apparatus USP | Electrolab | 3 |
| 13 | Tray Dryer | Singhala scientific | 1 |
| 14 | Blunder | Oswal | 1 |
| 15 | Abbe`s refractometer | SSI | 1 |
| 16 | Electronic weighing balance | LCCG | 1 |
| 17 | High speed homogenizer | Remi | 1 |
| 18 | Deionizer paca | GSP | 1 |
| 19 | IR moisture balance | Singhala scientific | 1 |
| 20 | Ointment filling machine | Singhala scientific | 1 |
| 21 | Clarity tester | Singhala scientific | 2 |
| 22 | Vaccum pump | Promivac | 1 |
| 23 | Coating pan | Singhala scientific | 1 |
| 24 | Polishing pan | Singhala scientific | 1 |
| 25 | U.V-visible spectrophotometer 117 | Systronics | 1 |
| 26 | Rotary vaccum flash evaporator | JSGW | 1 |
| 27 | Hot air oven | kemi | 1 |
| 28 | Magnetic stirrers | Remi | 3 |
| 29 | Analytical balance | Keroy | 11 |
| 30 | Capsule filling machine | Singhala scientific | 1 |
| 31 | Centrifuge | Singhala scientific | 1 |

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| | | | |
|----|----------------------------------|---------------------|----|
| 32 | Conical percolator | Singhala scientific | 10 |
| 33 | Heating mantle 500ml | NSP | 3 |
| 34 | Mechanical stirrers | Remi | 2 |
| 35 | Microscope | Weswox | 2 |
| 36 | Sieves 10,22,85,100,120 | Singhala scientific | 5 |
| 37 | Tincture press | Singhala scientific | 1 |
| 38 | Wodden sieves | Singhala scientific | 8 |
| 39 | Sieve shaking assembly | Dolphin | 1 |
| 40 | Anderson pipette | JSGW | 1 |
| 41 | Ostwald viscometer | Borosil | 20 |
| 42 | Stalagmeter | Borosil | 15 |
| 43 | Stage and eye piece micrometer | Weswox | 10 |
| 44 | Mortar and pestle | NSP | 20 |
| 45 | Suppository mould | NSP | 10 |
| 46 | Dry and wet bulb thermometers | Dimpes | 2 |
| 47 | Monsanto tablet hardness testers | Dolphin | 3 |
| 48 | Vernier calipers | Singhala scientific | 5 |
| 49 | Ointment slab and spatula | NSP | 10 |

Table. 41 Facilities available at Division of Pharmacology and Pathophysiology

| S.No | Name of the Instrument / Equipment | Mfg. by / supplier | No. available |
|------|------------------------------------|--------------------|---------------|
| 1 | Tail flick unit | Inco | 01 |
| 2 | Analgesio meter (eddys hot plate) | Inco | 01 |
| 3 | Digital plethysmometer | Inco | 01 |
| 4 | Digital physiograph | Inco | 01 |
| 5 | Centrifuge (small) | Remi | 01 |
| 6 | Tissue homogenizer | Remi | 01 |
| 7 | Student organ bath | Inco | 30 |
| 8 | Histamine chamber | Singhla | 01 |
| 9 | Y- maze | wood made | 01 |
| 10 | Hole board | wood made | 01 |
| 11 | Staire case | wood made | 01 |
| 12 | Electro convulsometer | Singhla | 01 |
| 13 | Rota rod | Inco | 01 |
| 14 | Swimming test apparatus | Inco | 01 |
| 15 | Micro centrifuge | Remi | 01 |
| 16 | Metabolic case | Inco | 01 |
| 17 | Actophotometer | Inco | 01 |
| 18 | Pole climbing apparatus | Inco | 01 |
| 19 | Plus maze apparatus | Wood Made | 01 |
| 20 | Semi auto analyzer | Erba | 01 |
| 21 | Digital telethermometer | Thermolab | 01 |
| 22 | Digital analytical balance | LC-GC | 01 |
| 23 | Sherringtons drum | Inco | 20 |

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| | | | |
|----|--|--------------|----|
| 24 | BP Apparatus | Diamond | 15 |
| 25 | ESR Test Stand and Tubes | Shiv.pvt.Ltd | 20 |
| 26 | Spirometer | Inco | 01 |
| 27 | Human Skeleton | Inco | 02 |
| 28 | Histological Slides | Inco | 40 |
| 29 | Sahli Haemometer | Inco | 30 |
| 30 | RBC Pipette | Rohem | 30 |
| 31 | WBC pipette | Rohem | 30 |
| 32 | Neubour Chamber | Rohem | 20 |
| 33 | Animal Dissection table | Inco | 03 |
| 34 | Stethoscope | Inco | 20 |
| 34 | Rabbit Holder | Inco | 05 |
| 35 | Cages for Animal | Inco | 50 |
| 36 | Clinical Thermometer | Inco | 04 |
| 37 | Microscope 100 x, 40 x, 10 x | Weswox | 20 |
| 37 | Organ Specimens | Inco | 20 |
| 38 | Canula for Heart | Inco | 10 |
| 39 | Aerators | Inco | 20 |
| 40 | Oral feeding Needles | Inco | 10 |
| 41 | Animal House (Approved by Govt. of India as Per CPCSEA Reg. No. 878/ac/05/CPCSEA) | | |

Table. 42 Facilities available in Division of Pharmaceutical and Medicinal Chemistry

| S.No | Name of the Instrument / Equipment | Mfg. by / supplier | No. available |
|------|------------------------------------|--------------------|---------------|
| 1 | Polarimeter | Systronics | 01 |
| 2 | FT - IR | Brukers* | 01 |
| 3 | pH Meter | Elico | 01 |
| 4 | Visible Photometer | Elico | 01 |
| 5 | Abbe Refractometer | Systronics | 01 |
| 6 | Hot air oven | Thermolab, Kemi | 02 |
| 7 | Hotplates | Thermolab | 01 |
| 8 | Heating mantles | Thermolab | 01 |
| 9 | Fuming cupboard | Fabricated | 10 Unit |
| 10 | Column | JSGW | 01 |
| 11 | Column pilot | JSGW | 03 |
| 12 | TLC Chamber | JSGW | 05 |
| 13 | TLC Sprayer | JSGW | 03 |
| 14 | Rotary evaporator | Buchi Type | 01 |
| 15 | Vacuum pump | Systronics | 03 |
| 16 | Melting point Apparatus | Thermolab | 02 |
| 17 | Centrifuge | Remi | 01 |
| 18 | Conical percolator | Singhala | 01 |
| 19 | Heating mantle 500ml | NSP | 13 |
| 20 | Heating mantle 1000ml | NSP | 04 |

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| | | | |
|----|-----------------------|----------------|----|
| 21 | Mechanical stirrers | Remi | 05 |
| 22 | Microscope | weswox | 05 |
| 23 | Digital Balance | LC-GC | 02 |
| 24 | Refrigerator | Godrej | 01 |
| 25 | Autoclave | Subash pvt.ltd | 01 |
| 26 | Colony Counter | Remi | 01 |
| 27 | Laminar Air Flow | Kemi | 01 |
| 28 | Inoculating Loop | Singhala | 20 |
| 29 | Aseptic cabinet | Singhala | 02 |
| 30 | Incubator | Secor | 01 |
| 31 | Petri plates | Borosil | 40 |
| 32 | Micropipette | Borosil | 03 |
| 33 | Projection Microscope | weswox | 01 |
| 34 | Single cavity Slides | Borosil | 30 |
| 35 | Double Cavity Slides | Borosil | 10 |
| 36 | Centrifuge | Remi | 01 |
| 37 | pH meter | Elico | 01 |
| 38 | Microscope 100x, 40x | Weswox | 15 |
| 39 | Spirit Lamp | Borosil | 05 |
| 40 | Widal's tube | Borosil | 10 |
| 41 | Physical Balance | Keroy | 15 |

Table. 43 Facilities available in Division of Pharmacognosy and Phytochemistry

| S.No | Name of the Equipment/ Instrument | Mfg. by / supplier | No. available |
|------|-----------------------------------|--------------------|---------------|
| 01 | Autoclave | Singhala | 01 |
| 02 | Analytical Balance | Keroy pvt.ltd | 01 |
| 03 | Camera Lucida (mirror type) | Mv.tex | 05 |
| 04 | Camera Lucida (mirror type) | Weswox | 06 |
| 05 | Chromatography Sprayers | Borosil | 01 |
| 06 | Desiccators | Borosil | 01 |
| 07 | Heating Mantles | Quasmo | 05 |
| 08 | Microscopes | Quasmo | 05 |
| 09 | Microscopes | Weswox | 15 |
| 10 | Soxhlet Apparatus | Borosil | 07 |
| 11 | Stage Micrometer | Erma (Tokyo) | 05 |
| 12 | Eye Piece Micrometer | Mvtex | 04 |
| 13 | Centrifuge | Remi | 01 |
| 14 | Conical percolator | Singhala | 01 |
| 15 | Dispensing Balance | Keroy | 03 |
| 16 | Electronic Microscope | Quasmo | 01 |
| 17 | Blunder | Electromix | 01 |
| 18 | Iodine flasks | Borosil | 10 |
| 19 | First Aid Box | Adequate | 01 |
| 20 | TS Crude Drugs Charts | Dolphine | 01 |
| 21 | Column | JSGW | 27 |

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| | | | |
|----|---------------------------------|------------|----|
| 22 | Column pilot | JSGW | 01 |
| 23 | TLC Chamber | JSGW | 01 |
| 24 | TLC Sprayer | JSGW | 04 |
| 25 | Hot air Oven | Thermolab | 01 |
| 26 | Vacuum pump | Systronics | 01 |
| 27 | Melting point Apparatus | Thermolab | 01 |
| 28 | Heating mantle 500ml | NSP | 01 |
| 29 | Heating mantle 1000ml | NSP | 05 |
| 30 | Mechanical stirrers | Remi | 02 |
| 31 | Medicinal Garden (> 150 plants) | RIPER | 04 |
| 32 | Water circulator | Dolphine | 03 |
| 33 | Percolator | Dolphine | 10 |
| 34 | Sieve (mesh#100) | Dolphine | 01 |
| 35 | Desiccators | JSGW | 01 |
| 36 | Eye Piece micrometer | Borosil | 05 |
| 37 | Stage Micrometer | Borosil | 05 |
| 38 | Medicinal Garden (> 150 plants) | RIPER | 04 |

3.3.2 Does the institution have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

YES, the advanced central research facilities present are made available for in-house PhD research scholars and also for outsiders.

3.3.3 Does the institution have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

YES, the institution has the provision to cater healthcare professionals, practising pharmacists. The institution has two Drug Information Centres, one established within the institute and another in the healthcare setting a secondary care referral hospital to which the institute has MoU for Pharm. D programme.

The drug information centre has a database called Clinical pharmacology, for answering the queries of healthcare professionals, and updating them regarding recent development in the field.

3.3.4 Does the institution provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

The institution provides residential facilities with computer and internet connections in our hostels available separate for both boys and girls.

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For the resource persons and scientists participating in our seminars and conferences luxurious and sophisticated accommodation is provided in our institutional guest house.

3.3.5 Does the institution have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

- The institution Raghavendra Institute of Pharmaceutical Education and Research – RIPER, was recognized as Centre for Pharmaceutical Research by the affiliating university, JNTUA to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences during the year of 2014.
- The affiliating university has allotted 05 seats for regular PhD for the institute.
- The institution has five PhD research guides/supervisors recognized by the affiliating university for performing research.
- The institution has 10 PhD completed researchers as faculties with a mean of minimum five years of experience.
- The institution also has nearly 15 faculties as reseracher pursuing their PhD on part-time basis with affiliating university.
- Ththree of our faculties have registered their PhD for the current academic year with the affiliating university.

Table. 44 Faculties particulars on their PhD graduation

| Faculties completed PhD | Faculties pursuing PhD | Faculties Registered their PhD |
|--------------------------|----------------------------|--------------------------------|
| Dr. Y. Padmanabha Reddy | Mrs. M. Geethavani | Mr. G. Narayana |
| Dr. J. Ravindra Reddy | Mr. C. Surya Prakash Reddy | Mr. A. S. Mansoor |
| Dr. K. Ramakrishna Reddy | Mr. B. Pradeep | |
| Dr. P. Ramalingam | Mr. C. Haranath | |
| Dr. C. Sowmya | Mr. B. Srinadh | |
| Dr. M. V. Jyothi | Mr. K. V. Veerabhadrapa | |
| Dr. E. Vigneshwaran | Mr. S. Nagarjuna | |
| Dr. M. Jaffar Sadiq | Mr. A. Sanjeeva Kumar | |
| Dr. K. Somasekhar Reddy | Mr. K. Arshad Ahmed Khan | |
| | Mrs. M. Parvathi | |
| | Mrs. K. V. Lalitha | |
| | Mr. K. Rajesh Reddy | |

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3.3.6 Clinical trials and research: Are all the clinical trials registered with CTRI (Clinical Trials Research of India)? List a few major clinical trials conducted with their outcomes.

NOT APPLICABLE

3.4 Research Publications and Awards

3.4.1 Does the institution publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

The institution has two official publications,

1. RIPER-PDIC Bulletin
2. Chemistry News letter

Which encourages students and advance learners, researchers to write articles of review, short communication and original article and also invites guest writers and subject experts to make valuable participation on research and innovative learning-teaching programmes through which entire community of pharmacy teachers, researchers and students are benefited.

The RIPER-PDIC bulletin chief editor is Dr. Y. Padmanabha Reddy professor & principal-RIPER a very renowned, reputed pharmacy teacher across India and the editor is Mr. G. Narayana, division of pharmacy practice.

The editor of Chemistry news letter is Dr. P. Ramalingam, PG-Director/In-charge of R and D cell of RIPER.

3.4.2 Give details of publications by the faculty and students:

Table. 45 Particulars of Faculty Research Publications

| Faculty Name | Year | | | |
|--------------------------|------|------|------------|-------|
| | 2014 | 2013 | Up to 2012 | Total |
| Dr.Y.Padmanabha Reddy | 18 | 32 | 30 | 80 |
| Dr.R.Raveendra Reddy | 09 | 14 | 19 | 42 |
| Dr. P. Ramalingam | 16 | 18 | 51 | 85 |
| Dr. K. Ramakrishna Reddy | 03 | 09 | 13 | 25 |
| Dr. C. Sowmya | 01 | 04 | 12 | 17 |
| Dr. M. Vijaya Jyothi | 02 | 04 | 09 | 15 |
| Dr. E. Vigneshwaran | 02 | 05 | 04 | 11 |
| Dr. M. Jaffar Sadiq | 02 | 03 | 04 | 09 |
| Mrs. Seeba Zachariah | 03 | 04 | 03 | 10 |
| Mr. K. Vinod Kumar | 02 | 02 | 05 | 09 |
| Mrs. M. Geethavani | 02 | 01 | 07 | 10 |
| Mr. K.V.Veerabhadrapa | 02 | 02 | 03 | 07 |

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| | | | | |
|---------------------------|----|----|----|----|
| Mr. C. Suryaprakash Reddy | 03 | 04 | 04 | 11 |
| Mr. K. Somasekhar Reddy | 02 | 04 | 05 | 11 |
| Mr. B. Pradeep | 02 | 02 | 03 | 07 |
| Mr. G. Narayana | 01 | 03 | 03 | 07 |
| Mr. B. Srinath | 02 | 02 | 03 | 07 |
| Mr. C. Haranath | 04 | 02 | 01 | 07 |
| Mr. S. Nagarjuna | 05 | 05 | 03 | 13 |
| Dr. Mohanraj Rathinavelu | 12 | - | - | 12 |
| Mr. A.S. Manjoor | 02 | 02 | 02 | 06 |
| Mr. A. Sudheer | 02 | 02 | 03 | 07 |
| Mrs. K.V. Lalitha | 02 | 03 | 03 | 08 |
| Mrs. M. Parvathi | 02 | 02 | 01 | 05 |
| Mr. A.Sanjeeva Kumar | 03 | 02 | 03 | 08 |
| Mr. K. Arshad Ahmed Khan | 02 | 02 | 01 | 05 |
| Mr. C. Naresh Babu | 02 | 02 | 01 | 05 |
| Mrs. S. Triveni | 01 | 02 | 01 | 04 |
| Mrs. U. Usha Rani | 01 | 03 | 02 | 06 |
| Dr. Y. Samhitha Reddy | 01 | 01 | - | 02 |
| Dr. B. Raja Rajeswari | 01 | 01 | - | 02 |
| Mr. E. Bhargav | 02 | 01 | - | 03 |
| Dr. Soumadip Das | 01 | 02 | - | 03 |
| Mr. B. Manoj Kumar | 03 | - | - | 03 |

H-Index of Faculty Research publications

| | |
|--------------------------|---|
| Dr. Y. Padmanabha Reddy | 6 |
| Dr. J. Ravindra Reddy | 4 |
| Dr. K. Ramakrishna Reddy | 3 |
| Dr. P. Ramalingam | 6 |
| Dr. M. V. Jyothi | 1 |
| Dr. E. Vigneshwaran | 3 |
| Dr. M. Jaffar Sadiq | 2 |
| Dr. K. Somasekhar Reddy | 1 |
| Mr. K. Vinod Kumar | 2 |
| Mrs. Seeba Zachariah | 2 |
| Mrs. M. Geethavani | 1 |
| Mr. B. Pradeep | 1 |
| Mr. C. Haranath | 1 |
| Mr. B. Srinadh | 2 |
| Mr. G. Narayana | 2 |
| Mr. S. Nagarjuna | 3 |
| Dr. Mohanraj Rathinavelu | 1 |
| Mr. A. Sanjeeva Kumar | 4 |
| Mr. Syed Manjoor Ahmed | 2 |
| Mr. K. Arshad Ahmed Khan | 2 |

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| | |
|-----------------------|---|
| Mrs. M. Parvathi | 1 |
| Mrs. K. V. Lalitha | 2 |
| Dr. B. Manoj Kumar | 1 |
| Mr. E. Bhargav | 1 |
| Dr. P. T. Priyanka | 1 |
| Mr. K. Rajesh Reddy | 1 |
| Mr. B. Amarnath Reddy | 1 |
| Mr. P. Harsha Teja | 1 |
| Mrs. S. Seetha | 1 |

3.4.3 Does the institution publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes?

YES.

The institution has two official publications,

1. RIPER-PDIC Bulletin
2. Chemistry News letter

3.4.4 Give details of faculty serving on the editorial boards of national and international journals faculty serving as members of steering committees of national and international conferences recognized by reputed organizations / societies.

The institution as reputed faculty as subject experts and resource personalities, who play a imperative role in research writing and manuscript writing.

Faculties of our institution are person involved in scrutiny of research works getting published in venerated Journals as editor in-chief, editors, editorial board members, advisory members of the editorial team, peer reviewers etc.

Faculties of our institute cater other university and colleges as member of Board of studies.

Dr. Y. Padmanabha Reddy, Head of Institute is the editor in-chief for RIPER-PDIC bulletin, an official publication of division of pharmacy practice.

Dr. Y. Padmanabha Reddy, Head of Institute is the editor in-chief for Chemistry News Letter, an official publication of division of pharmaceutical analysis and quality assurance.

Dr. P. Ramalingam, Director (in-charge) R and D cell, is the editor of Chemistry News Letter.

Mr. G. Narayana, Associate Professor, division of pharmacy practice, is the editor of RIPER-PDIC bulletin.

Dr. M. Jaffar sadiq, Dr. Mohanraj Rathinavelu are the associate editors and all the faculties of pharmacy practice division are the members of editorial team in RIPER-PDIC bulletin.

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Dr. C. Sowmya, Dr. M. V. Jyothi, Mr. K. Vinod are the members of advisory committee in editorial board of RIPER-PDIC bulletin.

The official scientific publications of the institution RIPER-PDIC bulletin and Chemistry News letter comprises of expertise pharmacy teachers of other institution and universities has members of editorial board or advisory committee.

Dr. Mohanraj Rathinavelu is a editorial board member of IGMPI publications - JMSCR.

Dr. Y. Padmanabha Reddy, Head of institute is a reputed personality of board of studies of Manipal University.

Faculties as resource person / speakers in national and overseas

| Name of the faculty | Organized by | Title of the programme | No. of days | Year |
|--------------------------|---|---|-------------|---------|
| Dr. E. Vigneshwaran | Awarded with international meeting travel scholarship award for the year 2014 by International Society for Pharmacoeconomics and Outcomes research (ISPOR). With this travel grant he attended. | ISPOR 6 th Asia Pacific conference held at Beijing, China on 6 - 9 September, 2014 | 04 days | 2014 |
| Dr. Y. Samhitha Reddy | International Pharmaceutical Federation (FIP) in collaboration with Pharmaceutical Association of Bangkok | FIP Annual Congress 2014 - 30 th - 3 rd August, Bangkok, Access to Medicines and Healthcare | 05 days | 2014 |
| Dr. Y. Padmanabha Reddy | International Pharmaceutical Federation (FIP) in collaboration with Pharmaceutical Association of Bangkok | FIP Annual Congress 2014 - 30 th - 3 rd August, Bangkok, Access to Medicines and Healthcare | 05 days | 2014 |
| Dr. Mohanraj Rathinavelu | Department of Pharmacy Practice KVSR College of Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India, 5 th May 2014 | One Day Seminar on Pharmaceutical Care & Research: A Pharmacy Practice Perspective | 01 day | 2014 |
| Dr. Y. Padmanabha Reddy | Chalapathi Institute of Pharmaceutical Sciences | Staff development programme | 2 week | 2012-13 |
| Dr. J. Ravindra Reddy | Chalapathi Institute of Pharmaceutical Sciences | Staff development programme | 2 week | 2012-13 |
| Dr. P. Ramalingam | Sri Padmavathi school of Pharmacy | Staff development programme | 2 week | 2012-13 |

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| | | | | |
|--|---|---|---------|---------|
| Dr. Y. Padmanabha Reddy | Chalapathi Institute of Pharmaceutical Sciences | Staff development programme | 2 week | 2012-13 |
| Dr. C. Sowmya | Vivekanantha college of Pharmacy, Karnataka | Staff development programme | 2 week | 2013 |
| Dr. P. Ramalingam | Hyderabad Academy | GPAT / NIPER Coaching | 2 week | 2013 |
| Mr. S. Nagarjuna | Hyderabad Academy | GPAT / NIPER Coaching | 2 week | 2013 |
| Dr. P. Ramalingam | Acharya Nagarjuna University, Guntur | Invited Guest Speakers | 06 days | 2013 |
| Dr. Mohanraj Rathinavelu | Indian Association of Colleges of Pharmacy, SRIPMS | Pharmacy Practice Training Module - III | 03 days | 2013 |
| Dr. Y. Padmanabha Reddy | Indian Pharmaceutical Association | Indian pharmaceutical congress | 03 days | 2012 |
| Dr. M. V. Jyothi | RIPER | Refresher course | 15 days | 2012 |
| Mrs. Geethavani | RIPER | Refresher course | 15 days | 2012 |
| Mr. C. Surya Prakash | RIPER | Refresher course | 15 days | 2012 |
| Mr. K. Vinod Kumar | RIPER | Refresher course | 15 days | 2012 |
| Mr. Haranath | RIPER | Refresher course | 15 days | 2012 |
| Dr. P. Ramalingam | RIPER | Refresher course | 15 days | 2012 |
| Dr. Y. Padmanabha Reddy | RIPER | Refresher course | 15 days | 2012 |
| Dr. Mohanraj Rathinavelu | Indian Association of Colleges of Pharmacy, VELS University, Chennai | Pharmacy Practice Training Module - I | 03 days | 2012 |
| Dr. E. Vigneshwaran | Indian Association of Colleges of Pharmacy, VELS University, Chennai | Pharmacy Practice Training Module - I | 03 days | 2012 |
| Dr. P. Ramalingam | Acharya Nagarjuna University, Guntur | Invited Guest Speakers | 06 days | 2012 |
| Mrs. Seeba Zacharia | A community Pharmacy practice | One month | 2012 | 2012 |
| Dr. E. Vigneshwaran | Indian Association of Colleges of Pharmacy, Sri Ramachandra University, Chennai | Pharmacy Practice Training Module - II | 03 days | 2013 |
| Dr. P. Ramalingam | Hyderabad Academy | GPAT / NIPER Coaching | 15 days | 2012 |
| Mr. S. Nagarjuna | Hyderabad Academy | GPAT / NIPER Coaching | 15 days | 2012 |
| Drug and Administration, Govt. of Tamil Nadu | Chairperson | Scientific Conference | 03 days | 2012 |
| Mr. G. Narayana | KLE College of Pharmacy, | Staff development | 08 days | 2012 |

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| | Belgaum | Programme | | |
|---------------------------------------|--------------------------------------|--------------------------------------|---------|------|
| Mr. E. Vigneshwaran | KLE College of Pharmacy, Belgaum | Staff development Programme | 08 days | 2012 |
| Mr. K. Balaji | JSS College of Pharmacy, Mysore | Staff development Programme | 12 days | 2011 |
| Mr. G. Narayana | JSS College of Pharmacy, Mysore | Staff development Programme | 12 days | 2011 |
| Mr. M. Jaffar | JSS College of Pharmacy, Mysore | Staff development Programme | 12 days | 2011 |
| Mr. K. V. Veerabhadrapa | RIPER | Refresher course | 10 days | 2011 |
| Mr. M. Geethavani | RIPER | Refresher course | 10 days | 2011 |
| Mr. Somasekhar Reddy | RIPER | Refresher course | 10 days | 2011 |
| Mr. K. Vinod Kumar | RIPER | Refresher course | 10 days | 2011 |
| Dr. Y. Padmanabha Reddy | Indian Pharmaceutical Association | Indian pharmaceutical congress | 03 days | 2011 |
| Dr. Mohanraj Rathinavelu | FIP, Hyderabad | Pharmacy Practice | 7 days | 2011 |
| Dr. E. Vigneshwaran | FIP, Hyderabad | Pharmacy Practice | 7 days | 2011 |
| Dr. Y. Padmanabha Reddy | Indian Pharmaceutical Association | Indian pharmaceutical congress | 03 days | 2010 |
| Dr. P. Ramalingam | Indian Pharmaceutical Association | Indian Pharmaceutical congress | 03 days | 2010 |
| Dr. Y. Padmanabha Reddy Ramalingam | Indian Pharmaceutical Association | Indian Pharmaceutical congress | 03 days | 2010 |
| Dr. P. Ramalingam | Hyderabad Academy | GPAT / NIPER Coaching | 15 days | 2010 |
| Mr. S. Nagarjuna | Hyderabad Academy | GPAT / NIPER Coaching | 15 days | 2010 |
| Dr. Mohanraj Rathinavelu | CMC Hospital, Vellore | Training and Symposium | 3 days | 2010 |
| Mr. K. V. V. Bhadrapa | JSS college of Pharmacy, Ooty | Staff development programme | 13 days | 2008 |
| Mr. Somasekhar Reddy | JSS college of Pharmacy | F D P | 7 days | 2008 |
| Mr. A. Sudheer | JSS college of Pharmacy | Staff development programme | 7 days | 2008 |
| Mr. A. Sudheer | KLE College of Pharmacy | Staff development programme | 14 days | 2007 |
| Mr. Somasekhar Reddy | KLE College of Pharmacy | Staff development programme | 14 days | 2007 |

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| | | | | |
|----------------------------|--------------------------------|-----------------------------|---------|------|
| Dr. M. V. Jyothi | JSS college of Pharmacy, Ooty | Staff development programme | 15 days | 2005 |
| Mr. C. Surya Prakash Reddy | SGPR Govt. Polytechnic college | Staff development programme | 12 days | 2004 |

3.4.5 Provide details for the last four years, Research awards received by the faculty and students, National and international recognition received by the faculty from reputed professional bodies and agencies.

Overseas participation of students of RIPER

- Youth convention on the occasion of 150th birth anniversary celebrations of swami Vivekananda organized by Vivekananda Institute of Human Excellence, Hyderabad on 14 March 2014 at Anantapuramu, Andhra Pradesh.
- Indian Pharmaceutical Association, 4th Student Congress 18 – 19 February 2012 held at St. Peters Institute of Pharmaceutical Sciences, Hanamakonda, Warangal, Andhra Pradesh organized by IPA Education Division, IPA – Hanamakonda Branch and IPA Student Forum.
- National Pharmacy Week Celebration – All India Quiz Competition Organized by College of Pharmacy, Madras Medical College, Chennai November 2011.
- Awareness Programme on Pharm. D held at Vikas Institute of Pharmaceutical Sciences, Rajahmundry on 12th August 2012.
- 63rd Indian Pharmaceutical Congress 16 – 18 December 2011 Bengaluru, held at Bangalore International Exhibition Centre, Bengaluru.
- 64th Indian Pharmaceutical Congress held at SRM University, Chennai, 7 – 9 December 2012.
- Seminar on Challenges on Pharm. D Education & Strategies to overcome 14th April 2012 organized by Raghavendra Institute of Pharmaceutical Education and Research in association with RDT Hospitals Bathalapalli, Ananthapuramu, Andhra Pradesh.

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- 7th Asian Conference on Pharmacoepidemiology held at Bengaluru, India 26 - 28 October 2012, organized by ACPE (American College of Pharmacy Education) in association with JSS University, ISCR (Indian Society for Clinical Research), ISPE (International Society for Pharmacoepidemiology).
- National Pharmacy Week Celebrations and Pharmaprac 2011, 10 - 11 November 2011, organized by Faculty of Pharmacy, Sri Ramachandra University, Chennai.
- 66th Indian Pharmaceutical Congress 23 - 25 January 2015, Hitex, Hyderabad, India
- 74th FIP World Congress of Pharmacy and Pharmaceutical Sciences - 2014 Bangkok, Thailand on 31st August to 4 September 2014, with the theme of "Pharmacists - Ensuring access to health Exploring our impact on providing medicines, care and information.
- Congress of Pharmacy and Pharmaceutical Sciences 2011 FIP, which was held from 3-8 September 2011 at the Hyderabad International Conventional Centre (HICC) in Hyderabad, India.
- 7th Annual Conference - Discovery through Commercialization: Innovative Strategies for Individualized Health Care on Nov. 1-4, 2012, HICC, Hyderabad, India.
- National level symposium and student paper contest on New frontiers pharmaceutical education and research at Dr. Samuel George Inst. Pharm. Sciences, held on 7 - 8 March 2010, Markapur, Andhra Pradesh, India.
- 2nd International Conference on Patient safety on 1 - 3 October 2010 organized by All India Institute of Medical Sciences (AIIMS), New Delhi, India
- 2nd International Conference on Drug Delivery (ICODD) - 2011 on 21 - 22 January 2011 organized by PSG College of Pharmacy, Coimbatore, Tamil Nadu, India.

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- Conference on Emerging Trends in Pharmacy Practice on Nov.10 - 11 2011, organized by Sri Ramachandra University, Chennai, India.
- Centennial Congress 2012, 72nd International Congress of FIP, held from 3 - 8 October 2012 in Amsterdam, the Netherlands.
- 73rd International Congress of FIP, held from 31 August - 5 September 2013, Dublin, Ireland.
- 65th Indian Pharmaceutical Congress (IPC) from 20 - 22 Dec 2013, Delhi NCR, India.

Student's Membership in National and International Professional Bodies

| S.No | Professional Body / Societies | Membership Particulars | No. of Students |
|------|---|------------------------|-----------------|
| 01 | International Pharmaceutical Federation (FIP) | Member | 10 |
| 02 | India Pharmaceutical Association (IPA) | Students Member | 48 |
| 03 | International Society for Pharmacoeconomics and Outcomes Research (ISPOR) | Member | 12 |
| 04 | International Society for Pharmacoeconomics and Outcomes Research (ISPOR), India - Andhra Pradesh Chapter | Student Member | 200 |
| 05 | International Society for Pharmacoeconomics and Outcomes Research (ISPOR), Student Chapter - RIPER | Student Member | 75 |
| 06 | Royal Society of Chemistry (RSC) London - Deccan Section | Student Member | 25 |

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- All faculties of Raghavendra Institute of Pharmaceutical Education and Research – RIPER, are the members of Indian Pharmaceutical Association (IPA), whose prime objective is edifying and promoting pharmaceutical science education and research across the country, and make contribution in setting a globalized gold standard.
- The institution contributes significantly for public health and patient care, with rational use of medication use by joining hands with an international organization International Society for Pharmacoeconomics and Outcomes Research (ISPOR) in which 12 faculties are members.
- The institution also took participation in the very innovative segment of healthcare called Health Technology and got empanelled as the very first pharmacy institute with National Health Systems Resource Centre (NHSRC).
- For promoting all the development activities related to pharmaceutical education and research and public health, the institution established Indian Pharmaceutical Association (IPA) Anantapur Local Branch.
- For the research learning and international exposure of students the institution established ISPOR – RIPER student chapter.
- Dr. C. Sowmya, head division of pharmaceuticals, received best pharmacist award, for her contribution in education and research for the field of pharmaceutical sciences.

3.4.6 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

The institution has a well qualified research guides for both PG and Doctoral programme. All the faculties dealing with P G programmes (M. Pharmacy/Pharm. D and Pharm. D post baccalaureate) per each academic year will be having a minimum of 6 to 8 students divided in batches up to three or four on the convenience of faculty as per norms of syllabus assigned by affiliating university and the statutory bodies AICTE and PCI.

For the Doctoral programme the affiliating university approved research guides in the institution are five supervisors and five seats of doctoral programme is allotted so the ratio will be 1:1.

3.4.7 What is the official policy of the institution to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

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The institutional Research review committee direct its members to prepare a protocol/SOP as guidelines to be followed during the project work carried by students under the guidance of faculties. For which a regular IRB/RRC meetings will be conducted on scrutinizing/approval/timely monitoring of project works.

The submission of project work is checked by the internal plagiarism software viper 4.1 version, if the estimated unique content and quality is 70 percent and more the project is valid are else its subjected to be failure under malpractice guidelines of SOP of project work and is rejected.

As of now, no case of plagiarism has been reported.

3.4.8 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavours?

YES.

The institution promotes multi/interdisciplinary research works, all the PG projects under the division of pharmaceutical analysis and quality assurance, pharmaceuticals, pharmacology are interlinked for instrumentation, chemicals, animal studies, pharmacological and toxicological screening, bioavailability and bioequivalence, clinical pharmacokinetics, chromatographic techniques etc., and projects of PG pharmacy practice is interlinked with Pharm. D programme, division of pharmacology and pharmaceuticals were it involves human-clinical studies, pharmacoepidemiology, pharmacoconomics, pharmacovigilance, clinical pharmacokinetic studies and with pharmaceutical analysis and quality assurance division for therapeutic drug monitoring.

3.4.9 Has the university institutioned any research awards? If yes, list the awards.

NO, Not applicable

3.4.10 what are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

Provision is made for felicitation of students and staff achievers alike, during the graduation ceremony/annual day/teachers day.

3.4.11 Give details of the postgraduate and research guides of the institution during the last four years.

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Table. 46 Faculty particulars as guide for PG and Doctoral programmes

| Faculty Name | Qualification | Designation | Department | Program Guided |
|----------------------------|--------------------|-----------------|-----------------------------|------------------|
| Dr. Y. Padmanabha Reddy | M. Pharm, PhD, FIC | Professor | PA & QA | P G and Doctoral |
| Dr. J. Ravindra Reddy | M. Pharm, PhD | Professor | Pharmacology | P G and Doctoral |
| Dr. P. Ramalingam | M. Pharm, PhD | Professor | PA & QA | P G and Doctoral |
| Dr. C. Sowmya | M. Pharm, PhD | Professor | Pharmaceutics | P G and Doctoral |
| Dr. M. V. Jyothi | M. Pharm, PhD | Professor | Pharmaceutical Chemistry | P G and Doctoral |
| Dr. E. Vigneshwaran | M. Pharm, PhD | Assoc.Professor | Pharmacy Practice | P G |
| Dr. M. Jaffar Sadiq | M. Pharm, PhD | Assoc.Professor | Pharmacy Practice | P G |
| Dr. K. Somasekhar Reddy | M. Pharm, PhD | Assoc.Professor | Pharmacology | P G |
| Mr. K. Vinod Kumar | M.Pharm,(Ph.D) | Assoc.Professor | PA & QA | P G |
| Mr. C. Surya Prakash Reddy | M.Pharm,(Ph.D) | Assoc.Professor | Pharmaceutics | P G |
| Mr. C. Haranath | M.Pharm,(Ph.D) | Assoc.Professor | Pharmaceutics | P G |
| Mr. B. Srinadh | M.Pharm,(Ph.D) | Assoc.Professor | Pharmaceutical Microbiology | P G |
| Mr. G. Narayana | M.Pharm,(Ph.D) | Assoc.Professor | Pharmacy Practice | P G |
| Mr. S. Nagarjuna | M.Pharm,(Ph.D) | Asst.Professor | Pharmacology | P G |
| Mr. A. Sudheer | M. Pharm | Asst.Professor | Pharmacology | P G |
| Dr. Mohanraj Rathinavelu | Pharm. D | Asst.Professor | Pharmacy Practice | P G |
| Mr. K.V.V. Badhrappa | M. Pharm, (PhD) | Asst.Professor | Pharmacognosy | P G |
| Mr. A. Sanjeeva Kumar | M.Pharm,(Ph.D) | Asst.Professor | Pharmacognosy | P G |
| Mr. K. Arshad Ahmed Khan | M.Pharm,(Ph.D) | Asst.Professor | Pharmaceutics | P G |
| Mrs. K. V. Lalitha | M.Pharm,(Ph.D) | Asst.Professor | PA & QA | P G |
| Dr. Y. Samhitha Reddy | Pharm. D | Asst.Professor | Pharmacy Practice | P G |
| Dr. B. Manoj Kumar | Pharm. D | Asst.Professor | Pharmacy Practice | P G |
| Dr. B. Raja Rajeswari | Pharm. D | Asst.Professor | Pharmacy Practice | P G |

3. 5. Consultancy

3.5.1 What are the official policy/rules of the institution for structured consultancy? List a few important consultancies undertaken by the institution during the last four years.

NOT APPLICABLE

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3.5.2 Does the university have an industry institution partnership cell? If yes, what is its scope and range of activities?

YES, the institution has a industry partnership cell, where the institution regularly conducts employer satisfaction surveys annually whose suggestions and feedbacks are taken in account by the governing council and develops an action plan for further development of institution and students for placements and research activities, which are informed to the stake holders by conducting regular meetings. This has resulted in increased industry academy interaction wherein our PG students have been able to carry out their research projects.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experience during the last four years.

The institution has a wider responsibility of public and healthcare, for which the institution joins hands with healthcare team of Rural Development Trust Hospitals, Bathalapalli and organizes OUTREACH PROGRAMS.

Table. 47 List of outreach programs in collaboration with RDT Hospitals

| | |
|--|-------------------------------------|
| World Pharmacists Day 2015 | 25th September 2015, Ooty, INDIA |
| World Heart Day 2015 | 29th September 2015, Ooty, INDIA |
| National Nutrition Week 2015 | 1 - 7th September 2015, Ooty, INDIA |
| World Hypertension Day 2015 | 17th May 2015, Ooty, INDIA |
| World Diabetes Alert Day 2015 | 25th March 2015, Ooty, India |
| World Cancer Day 2015 | 4th February 2015, Ooty, India |
| World Mental Health Day 2015 | 10th October 2015, Ooty, INDIA |
| International women's day celebrations | 8th March 2015, Ooty, INDIA |
| World AIDS Day 2014 | 1st December 2014, Ooty, INDIA |
| World Diabetes Day 2014 | 14th November 2014, Ooty, INDIA |

The institution joined hands with JNT University Anantapur, Anantapuramu and promoted two NSS units (NSS Unit I & II), with overall objective of the scheme is youth for rural development educational and service to the community is the activity through which the objective is sought to be achieved. It is a student-centered program in which projects are implemented by the NSS volunteers in the community in close collaboration with the community and thereby it provides vast scope for the student's interaction with the people.

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Regular activities through NSS-RIPER

i) Orientation of NSS Volunteers: To get the NSS volunteers acquainted with the basics of NSS programs, allocated for their orientation through lectures, discussions & field visits.

ii) Campus work: The NSS volunteers may be involved in the projects undertaken for the benefit of the institution and students concerned. Such projects cover development of health care, tree plantation in the premises, awareness programs on smoking cessation, AIDS, blood donation camp, health exhibition, TB, National youth day, Women's day, Hb& Blood test, Mega Medical camp, The NSS volunteers may work on campus projects for not exceeding 30 hours in a year.

Special programs through NSS-RIPER

The overall objective of this scheme is Education and Service to the community and by the community. Its student's Programme where we cater to the need of the community, as and when required, it will also help the students to communicate with the society. The students go to the rural areas and try to develop a Technocratic Environment and help the underprivileged people to develop themselves. NSS volunteers undertake various activities in adopted villages. Duration of these services is 1 week per year/ unit.

Rural Projects: The rural projects generally include the working of NSS volunteers in adopted villages for eradication of illiteracy, agricultural operations, health, nutrition, hygiene, sanitation, care, family life education, construction of rural roads, campaign against social evils, Plastic free zone, Literacy & protection of crop, Usage of solar energy, Blood grouping at JNTU, Maintenance of village Street and drainage, Alcohol and tobacco awareness Programme.

3.6.2 How does the institution promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

Table. 48 NATIONAL SERVICE SCHEME UNIT - I (2013 - 2014)

| S.No | Programmes | Location | Date | Guest | Participants |
|--------------------|------------------|----------|------------|--|--------------|
| REGULAR ACTIVITIES | | | | | |
| 01. | Blood donation | RIPER | 14-06-2013 | Dr. Y.Padmanabha Reddy Principal, RIPER | 100 |
| 02. | Independence Day | RIPER | 15-08-2013 | Dr. Y.Padmanabha Reddy Principal, RIPER | 100 |
| 03. | Teacher's Day | RIPER | 05-09-2013 | Dr. Y.Padmanabha Reddy Principal, RIPER | 200 |

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| | | | | | |
|-------------------|--|----------|------------|---|-----|
| 04. | World Food Day | RIPER | 16-09-2013 | Dr.J.Ravindra Reddy Vice Principal, RIPER | 100 |
| 05. | NSS Foundation Day | RIPER | 24-09-2013 | Dr.Narayanareddy NSS Coordinator, JNTUA Mr.K.V. Veerabhadrapa | 100 |
| 06. | Blood Donation Camp | RIPER | 02/12/2013 | Mr. Mr.M.Jaffar, Asst Professor, RIPER | 102 |
| 07 | Aids awareness programme | RIPER | 09-12-2013 | Dr. Y.Padmanabha Reddy Principal, RIPER. Dr.Narayanareddy NSS Coordinator, JNTUA | 150 |
| 08. | National Youth Day | RIPER | 12-01-2014 | Mr.K.Somasekhar, Assoc Professor, RIPER | 300 |
| 09. | Diabetic treatment | RIPER | 23-03-2014 | Dr. Y.Padmanabha Reddy Principal, RIPER. Dr.Narayanareddy NSS Coordinator, JNTUA | 200 |
| SPECIAL PROGRAMME | | | | | |
| 10. | Guidance in Animal Husbandry | CHIYYEDU | 05-12-2013 | Mr.Mansoor Ahmed, Asst Professor, RIPER | 55 |
| 11. | Plastic Free Zone | CHIYYEDU | 05-12-2013 | Dr. Y.Padmanabha Reddy Principal, RIPER | 55 |
| 12. | Nutrition Programme | CHIYYEDU | 06-12-2013 | Mr. Omkar Physical Trainer, RIPER | 155 |
| 13. | Awareness on Anaemia | CHIYYEDU | 06-12-2013 | Mr.M.Jaffar, Asst Professor, RIPER | 55 |
| 14. | Production of Crop Using Solar Energy | CHIYYEDU | 07-12-2013 | Mr.Sreenath Assoc Professor, RIPER | 55 |
| 15. | Disposal of Garbage & Sanitation | CHIYYEDU | 07-12-2013 | Mr.Sreenath Assoc Professor, RIPER | 55 |
| 16. | Hb& Blood Grouping | CHIYYEDU | 08-12-2013 | Dr.Narayanareddy NSS Coordinator, JNTUA | 175 |
| 17. | Mega Medical Camp | CHIYYEDU | 08-12-2013 | Dr.Narayanareddy NSS Coordinator, JNTUA | 550 |
| 18. | Water awareness programme | CHIYYEDU | 09-12-2013 | Dr.Narayanareddy NSS Coordinator, JNTUA | 150 |
| 19. | AIDS awareness programme | CHIYYEDU | 09-12-2013 | Dr.Narayanareddy NSS Coordinator, JNTUA | 150 |

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Table. 49 NATIONAL SERVICE SCHEME UNIT - I (2012 - 2013)

| S.No | Programmes | Location | Date | Guest | Participants |
|--------------------|-----------------------------------|----------|------------|---|--------------|
| REGULAR ACTIVITIES | | | | | |
| 01. | World Against Child Labour Day | RIPER | 12-06-2012 | Mr.K.Somasekhar, Asst Professor, RIPER | 100 |
| 02. | World Blood Donors Day | RIPER | 14-06-2012 | Mr.Mansoor Ahmed, Asst Professor, RIPER | 150 |
| 03. | Happy Father's Day | RIPER | 21-06-2012 | Dr. Y.Padmanabha Reddy Principal, RIPER | 225 |
| 04. | Teacher's Day | RIPER | 05-08-2012 | Mr.K.Somasekhar, Asst Professor, RIPER | 250 |
| 05. | Independence Day | RIPER | 15-08-2012 | Dr.Y.Padmanabha reddy Principal, RIPER | 260 |
| 06. | NSS Foundation Day | RIPER | 24-09-2012 | Dr.Narayanareddy NSS Coordinator, JNTUA | 100 |
| 07. | National Youth Day | RIPER | 12-01-2013 | Mr. K.V.Veerabhadrappe Asst Professor, RIPER | 300 |
| 08. | Republic Day | RIPER | 26-01-2013 | Dr.Y.Padmanabha reddy Principal, RIPER | 160 |
| 09. | Women's Day | RIPER | 08-03-2014 | Dr. Y.Padmanabha Reddy Principal, RIPER | 150 |
| SPECIAL PROGRAMME | | | | | |
| 10. | Aids Awareness Programme | CHIYYEDU | 24-12-2012 | Mr.G.Narayana, Asst Professor, RIPER | 55 |
| 11. | Hb& Blood Test | CHIYYEDU | 25-12-2012 | Mr.K.V. Veerabhadrappe, Asst, Professor, RIPER | 475 |
| 12. | Child Labour& Nutrition Programme | CHIYYEDU | 27-12-2012 | Mr. Omkar Physical Trainer, RIPER | 255 |
| 13. | Mega Medical Camp | CHIYYEDU | 28-12-2012 | Dr.Narayanareddy NSS Coordinator, JNTUA | 850 |
| 14. | Plastic Free Zone | CHIYYEDU | 29-12-2012 | Mr.G.Narayana, Asst Professor, RIPER | 55 |
| 15. | Literacy & Protection of Crop | CHIYYEDU | 30-12-2012 | Mr.Mansoor Ahmed, Asst Professor, RIPER | 55 |
| 16. | Usage of Solar Energy | CHIYYEDU | 31-12-2012 | Mr. B.Pradeep, Asst Professor, RIPER | 155 |

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Table. 50 NATIONAL SERVICE SCHEME UNIT - I (2011 - 2012)

| S.no | Programmes | Location | Date | Guest | Participants |
|---------------------------|---|----------|------------|---|--------------|
| REGULAR ACTIVITIES | | | | | |
| 01. | World Health Day | RIPER | 07/04/2011 | Mr. E. Vigneshwaran Asst Professor, RIPER | 180 |
| 02. | May Day | RIPER | 01/05/2011 | Mr.G.Narayana, Asst Professor, RIPER | 160 |
| 03. | World Tobacco Day | RIPER | 31/05/2011 | Mr. A. Sudheer Asst Professor, RIPER | 200 |
| 04. | Teachers Day | RIPER | 05/08/2011 | Dr.Y.Padmanabha reddy Principal, RIPER. | 190 |
| 05. | World Aids Day Rally | RIPER | 01/12/2011 | Mr.K.Somasekhar, Asst Professor, RIPER | 55 |
| 06. | Voter Awareness Programme | RIPER | 25/01/2012 | Mr.K.V.Veerabhadra ppa, Asst Professor, RIPER | 250 |
| 07. | Blood Grouping | RIPER | 26/01/2012 | Dr.Narayanareddy NSS Coordinator,JNTUA | 275 |
| 08. | Women's Day | RIPER | 08/03/2012 | Dr.J.Raveendrareddy, Vice Principal, RIPER | 200 |
| 09. | Lecture on Ill Effects | RIPER | 15/03/2012 | Mr.K.Somasekhar, Asst Professor, RIPER | 100 |
| 10. | Lecture on Law & Order | RIPER | 22/03/2012 | Mr.K.V.V.Bhadrappa, Asst Professor, RIPER | 100 |
| SPECIAL PROGRAMME | | | | | |
| 11. | Maintenance Of Village Streets & Drains/aids awareness | Kandukur | 07/12/2011 | Mr.K.Vinod Kumar Assoc Professor, RIPER | 50 |
| 12. | Public Sanitation, /New Irrigational technology | Kandukur | 08/12/2011 | Mr.Sreenath, Asst Professor, RIPER | 50 |
| 13. | Nutrition Programme/health diet | Kandukur | 09-12-2011 | Mr. Omkar Physical Trainer, RIPER | 155 |
| 14. | Health Exhibition | Kandukur | 10/12/2011 | Dr.Narayanareddy NSS Coordinator,JNTUA | 1500 |
| 15. | Medical Camp | Kandukur | 11/12/2011 | Dr.J.Raveendrareddy, Vice Principal, RIPER | 350 |

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| | | | | | |
|-----|---------------------------------------|----------|------------|--|-----|
| 16. | Mega Blood Donation Camp | Kandukur | 12/12/2011 | Dr.Narayanareddy NSS Coordinator,JNTUA | 70 |
| 17. | Alcohol & Tobacco Awareness Programme | Kandukur | 13/12/2011 | Mr.K.V.Veerabhadrapa, Asst Professor, RIPER | 300 |

Table. 51 NATIONAL SERVICE SCHEME UNIT - I (2010 - 2011)

| S.No | Programmes | Location | Date | Guest | Participants |
|---------------------------|--------------------------------|-----------|------------|--|--------------|
| REGULAR ACTIVITIES | | | | | |
| 01. | Medical camp | RIPER | 26/11/2010 | Dr.Ramanareddy NSS Coordinator, JNTUA | 300 |
| 02. | Health Exhibition | RIPER | 05/12/2010 | Dr.Umamaheshwar Registrar, JNTUA | 500 |
| 03. | Blood Donation Camp | RIPER | 07/01/2011 | Dr.Y.Padmanabha reddy Principal, RIPER. | 93 |
| 04. | Youth Festival | RIPER | 08/01/2011 | Dr.Y.Padmanabha reddy Principal, RIPER | 400 |
| 05. | Lecture on Law & Order | RIPER | 24/02/2011 | K.V.Veerabhadrapa Asst Professor, RIPER | 100 |
| 06. | Lecture on Anti Plastics | RIPER | 28/02/2011 | K.V.Veerabhadrapa Asst Professor, RIPER | 100 |
| 07. | Women's Day | RIPER | 08/03/2011 | Dr.J.Raveendrareddy Vice Principal, RIPER | 200 |
| 08. | AIDS Rally | RIPER | 01/11/2010 | Dr.J.Raveendrareddy Vice Principal, RIPER | 200 |
| SPECIAL PROGRAMME | | | | | |
| 09. | Health check up | K.R.Palli | 24/01/2011 | Dr.Narayanareddy NSS Coordinator,JNTUA | 420 |
| 10. | aids awareness | K.R.Palli | 25/01/2011 | Dr.Narayanareddy NSS Coordinator,JNTUA | 120 |
| 11. | Disposal of Garbage & Plastics | K.R.Palli | 26/01/2011 | Mr. M.S.Jaffr Asst Professor, RIPER | 50 |
| 12. | Water Conservation Programme | K.R.Palli | 27/01/2011 | Mr. M. Jaffar Asst Professor, RIPER | 50 |
| 13. | Nutrition Awareness Programme | K.R.Palli | 27/01/2011 | Mr. M. Jaffar Asst Professor, RIPER | 50 |
| 14. | T.B. Awareness Programme | K.R.Palli | 28/01/2011 | Mr. K.Somasekhar Asst Professor, RIPER | 50 |
| 15. | Electrical/Cell Hazards | K.R.Palli | 29/01/2011 | Mr. B.Pradeep Asst, Professor, RIPER | 50 |

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| | | | | | |
|-----|---------------------------------------|-----------|------------|---|----|
| 16. | Dengue & Malaria Awareness Programme. | K.R.Palli | 29/01/2011 | Mr. B.Pradeep Asst, Professor, RIPER | 50 |
| 17. | Plantation of Trees | K.R.Palli | 30/01/2011 | Mr.K.V.Veerabhadrapa Asst Professor, RIPER | 50 |

Table. 52 NATIONAL SERVICE SCHEME UNIT -II REGULAR ACTIVITIES (2012 - 2014)

| S.No | Programmes | Location | Date | Guest | Participants |
|------|----------------------------|----------|------------|-----------------------|--------------|
| 01 | World Tuberculosis Day | RIPER | 24/03/2014 | Mr.K.V.Veerabhadrapa | 500 |
| 02 | Women's Day | RIPER | 08/03/2014 | Dr.J.Raveendrareddy | 450 |
| 03 | Republic Day | RIPER | 26/01/2014 | Dr.J.Raveendrareddy | 450 |
| 04 | National Youth Day | RIPER | 12/01/2014 | Dr.J.Raveendrareddy | 500 |
| 05 | Human Rights Day | RIPER | 10/12/2013 | Dr.J.Raveendrareddy | 450 |
| 06 | World Food Day | RIPER | 16/10/2013 | Dr.Y.Padmanabha reddy | 500 |
| 07 | World Population Day | RIPER | 11/07/2013 | Dr.Y.Padmanabha reddy | 450 |
| 09 | World Tobacco Day | RIPER | 31/05/2013 | Dr.Y.Padmanabha reddy | 400 |
| 10 | World Mother's Day | RIPER | 10/05/2013 | Dr.Y.Padmanabha reddy | 550 |
| 11 | National Youth Day | RIPER | 12/01/2013 | Dr.M.V.Jyothi | 500 |
| 12 | Republic Day | RIPER | 26/01/2013 | Dr.J.Raveendrareddy | 450 |
| 13 | Women's Day | RIPER | 08/03/2013 | Dr.J.Raveendrareddy | 450 |
| 14 | Human Rights Day | RIPER | 10/12/2012 | Dr.J.Raveendrareddy | 500 |
| 15 | World Food Day | RIPER | 16/10/2012 | Dr.J.Raveendrareddy | 450 |
| 16 | Teacher's Day | RIPER | 05/09/2012 | Dr.Y.Padmanabha reddy | 500 |
| 17 | World Population Day | RIPER | 11/07/2012 | Dr.Y.Padmanabha reddy | 450 |
| 18 | World Environment Day | RIPER | 05/06/2012 | Dr.Y.Padmanabha reddy | 450 |
| 19 | World Tobacco Day | RIPER | 31/05/2012 | Dr.Y.Padmanabha reddy | 400 |
| 20 | World Mother Days | RIPER | 10/05/2012 | Dr.C. Sowmya | 550 |
| 21 | Lecture on Law & Order | RIPER | 22/03/2012 | Mr.K.Somasekhar reddy | 400 |
| 22 | Plastic Free Zone | RIPER | 15/03/2012 | Dr.J.Raveendrareddy | 450 |
| 23 | Women's Day | RIPER | 08/03/2012 | Mrs.M.Geethavani | 450 |
| 24 | Pharma Exhibition | RIPER | 07/05/2012 | Dr.J.Raveendrareddy | 500 |
| 25 | May Day | RIPER | 01/05/2012 | Dr.J.Raveendrareddy | 450 |
| 26 | World Health Day | RIPER | 07/04/2012 | Dr.Y.Padmanabha reddy | 500 |
| 27 | Blood Grouping | JNTUA | 26/02/2012 | Prof.Ananda Rao | 450 |
| 28 | Voters Awareness Programme | RIPER | 25/01/2012 | Dr.Y.Padmanabha reddy | 450 |

Table. 53 NATIONAL SERVICE SCHEME UNIT -II SPECIAL PROGRAMMES (2012 - 2014)

| S.No | Programmes | Location | Date | Guest | Participants |
|------|---|-------------|------------|-----------------------|--------------|
| 01 | Inauguration & Personal Hygiene | Chinnakunta | 24-02-2014 | Dr.Y.Padmanabha reddy | 350 |
| 02 | Awareness on Usage of Iodized Salt & Geriatric Care | Chinnakunta | 25-02-2014 | Mr.Mansoor | 300 |
| 03 | Locally Prevailing Diseases | Chinnakunta | 26-02-2014 | Mr.A.Sudheer | 200 |

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| | | | | | |
|----|---|-------------|------------|---|-----|
| | in Summer | | | | |
| 04 | Awareness on Right to Information Act | Chinnakunta | 27-02-2014 | Dr.J.Raveendrareddy | 150 |
| 05 | Awareness on Saving of Electricity & Water | Chinnakunta | 28-02-2014 | Dr.J.Raveendrareddy | 200 |
| 06 | Awareness on Prevention of Bad Habits, Malnutrition in Children's | Chinnakunta | 01-03-2014 | Dr.Y.Padmanabha reddy | 250 |
| 07 | Awareness on Vaccination & Plantation of Trees | Chinnakunta | 02-03-2014 | Mr.C. Haranath | 100 |
| 08 | Mega Blood Donation Camp | Chinnakunta | 19-03-2014 | Dr.Y.Padmanabha reddy | 100 |
| 09 | Medical Camp | Chinnakunta | 20-03-2014 | Dr. Ismail, Kranthi Hospital | 300 |
| 10 | Pediatric Care | Mustur | 11/02/2013 | Dr. Sazida | 100 |
| 11 | Geriatric Care | Mustur | 12/02/2013 | Dr.Y.Padmanabha reddy | 120 |
| 12 | Locally Prevailing Diseases | Mustur | 13/02/2013 | Dr.Ramana Naik, Govt hospital, Uravakonda | 300 |
| 13 | Education & Importance | Mustur | 14/02/2013 | Mr.Mansoor | 350 |
| 15 | Literacy & Plantation of Trees | Mustur | 16/02/2013 | Dr.Y.Padmanabha reddy | 300 |
| 16 | Free Medical Camp | Mustur | 17/02/2013 | Dr.Dixon Thomas | 300 |
| 17 | Clean & Green | Chinnakunta | 13/02/2012 | Mr.K.V.Veerabhadrapa | 55 |
| 18 | Plantation | Chinnakunta | 14/02/2012 | Dr.J.Raveendrareddy | 100 |
| 19 | Literacy Programme & Drop Outs | Chinnakunta | 15/02/2012 | Mr.K.Somasekhar reddy | 30 |
| 20 | Health Checkup Programme | Chinnakunta | 16/02/2012 | Mrs. Sreedevi, ICDS officer | 100 |

3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

The institution has two NSS units (NSS I & II) recognized by affiliating university JNTUA, Students of institute are selected by the NSS units and given training under supervision of two coordinators.

Orientation/training programme is organized by affiliating university JNTUA. Conducting regular programs and special programs on public health, awareness program, health education and promotion programmes.

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3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

We are conducting series of free health care screening camps for the community which include screening for hypertension, diabetes, self care awareness programs on Breast cancer for women.

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

YES

The institution has structured mechanism to track the student's involvement in various social movements / activities that promote citizenship roles. Through:

National Service Scheme (NSS Units I & II)

Student mentorship programme

Preceptorship

Internship

Cultural activities

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

The community participates through/by

- Initiative of the institution to encourage the community participation
- Pharmacy Exhibition
- Publicity through banners and hand outs
- Health camps - Free health check up of BP and diabetes
- Medical camps - Free distribution of medicines
- By writing articles in news papers awareness about the pharmacy profession has increased which has resulted in the increase in the number of admissions to pharmacy courses.
- "Prevention is better than cure", on these lines our community based services ensure its development.

3.6.7 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

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- The institution has been awarded with best NSS unit for its contribution for public and healthcare by the affiliating university JNTUA.
- AWARD FOR INTELLECTUAL CAPITAL - Raghavendra Institute of Pharmaceutical Education & Research, Andhra Pradesh, EDUCATION EXPO TV (EET CRS) - FACULTY BRANDING AWARDS 2014
- BEST PRIVATE PHARMACEUTICAL INSTITUTE IN ANDHRA PRADESH - Raghavendra Institute of Pharmaceutical Education & Research-RIPER, EDUCATION EXCELLENCE AWARD 2013 - ONE PLANET RESEARCH (Indo - Italian Research Center)

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

- Special attention is given towards the overall development of rural / tribal background students.
- They are grouped together to undergo additional courses in communication skills. Both written and spoken English learning skills are developed before admission.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff? How have such initiatives reached out to the community?

The institution's Vision, Mission and Quality Policy are exhibited in the campus and constant mention and discussion of the same ensure the promotion of social justice and good citizenship among students and staff.

- The institution frames and refines timely the guidelines of conduct, anti-ragging policies.
- Donation towards national calamities
- Distribution of clothes to poor and needy
- Free medicine distribution

3.6.10 How does the institution align itself with the annual themes/programs of WHO/ICMR?

The institution align itself with annual themes / programs of WHO/ICMR, this year World Pharmacist Day celebration - 25 September was conducted on the basis "rational use of medication and the pharmacist role". We conduct a week long programme during the national

pharmacy week by inviting doctors, pharmacists and social workers as guests to address the public functions organised in the institution.

3.6.11 What is the role of the institution in the following extension activities?

Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions, Screening and management of Diabetes, Blood pressure and breast cancer awareness programme have been organised along with distribution of free medicines.

The institution in collaboration with NSS units I & II, regularly conducts health camp and special programme with a main objective on improving health outcomes in public and importance on medication adherence, yearly screening diseased conditions, patient counseling, substance abuse and its hazardous reciprocation every year.

Kindly refer 3.6.1 and 3.6.2

3.6.12 Do the faculty members participate in community health awareness programs? If yes, give details.

YES. Our faculty members participate in various health awareness programmes, health awareness talks and interactions, writing articles in local print media and distribution of free medicines at health camp.

3.6.13 How does the institution align itself and participate in National program for prevention and control of diseases?

YES, the institution align itself and participate in National program for prevention and control of diseases through affiliating university recognized Nation Service Scheme units I & II, and also collaborating with RDT Hospitals, Bathalapalli, Anantapur in rendering services of healthcare.

3. 7. Collaborations

3.7.1 How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?

The institution has a good network of collaborations with industries, healthcare settings, health technology centre of India. Particulars of institutional collaborations:

- Walksman Selman Pharmaceutical Pvt. Ltd
- Rexer Pharma Pvt Ltd

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- Amix Pharma
- Pellets Pharma Ltd
- Trimurthy formulation Pvt Ltd
- RA Chem Pharma Ltd
- Rural Development Trust Hospitals, Bathalapalli, Anantapuramu, Andhra Pradesh.
- Fortis Hospitals, Fortis Healthcare Limited, Mulund Branch, Mumbai.
- Fortis Hospitals, Fortis Healthcare Limited, Bangalore.
- For all students of institute RIPER was the first pharmacy institute in India to get empanelled with National Health Systems Resource Centre (NHSRC) for Knowledge Partnership in Healthcare Technologies.

The following are the beneficial outcomes:

- Placements of our students.
- Opportunities for industrial projects
- Enhancement of scientific temper among the students and staff.
- Mutually beneficial Industry - Academy interaction.

3.7.2 Mention specific examples of how these linkages promote

Curriculum development - The industrial personnel participated in our Industry academy interaction and have made significant contributions in the curriculum development.

Internship -It is helping our students to undergo industrial or hospital training which is mandatory for the award of degree from JNTUA. Pharm. D final year students undertake internship at RDT hospitals Bathalapalli, Anantapuramu, Andhra Pradesh.

On-the-job training - Our PG students who are doing the project work in industries get on the job training which has helped them in their placements. Similarly, UG students during the mandatory training period also get benefitted.

Faculty exchange and development - This has helped us to call staff from industries to deliver guest lectures. Similarly, our staffs are provided opportunity to work during holidays and vacations.

Research - Our post graduate students carry out their research projects in the industry and are provided stipend also. On the same line, several industrial projects are carried out in our institution.

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Publication – In cases where there no infringement on confidentiality, joint publications have been made.

3.7.3 Has the institution signed MOUs or filed patents with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the institution?

The institution has signed MoU with Rural Development Hospitals, Bathalapalli, Anantapur for Pharm. D programme. The institution for training PG students has signed MoU with industries and also for placements and recruitments.

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

The establishment of instrumentation laboratory in the R and D cell is being utilized by industries.

3.7.6 Give details of the activities of the institution under public-private partnership.

Not Applicable

CRITERION IV – INFRASTRUCTURE AND LEARNING PROCESS

4. 1. Physical facilities

4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The institution is has an adequate and optimum land facility for building and providing adequate infrastructure.

| Infrastructure facilities available with Appropriate covered area in Sq. Ft. | |
|--|---|
| a) Class rooms | 76172 |
| b) Laboratories | 24865 |
| c) Library | 1674 |
| d) Hostels (Women) Hostels (Men) | 8710 |
| e) Others like: Administrative Block } Principals Office } Staff Room Common Room Canteen Sports Facilities (Indoor) Auditorium | 10764 8075 4845 3230 3200 8610 |
| f) Total (Buildings) covered area in Sq. Ft. | 156077 |
| g) Total land area owned by the college in its name | 6 Acres |

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4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.
YES.

- The institution has presently installed a multi-purpose hall, new examination hall, indoor sports room, Audio visual air-conditioned seminar hall facilitated with LCD projector along with a smart board.
- New out-door auditorium was constructed.
- Enlargement of parking facilities
- Renovations on college canteen were made.
- Office for ISPOR – Regional chapter and IPA Anantapuramu branch was inaugurated and opened.
- Out-door play grounds was renovated.
- All the PG seminar rooms and Pharm. D class rooms are provided with LCD projectors.
- The UG class rooms are provided with OHPs apart from chalk boards and marker pen boards. The UG classrooms and labs are also provided with a soft board for display of notices/circulars.
- Laboratories were renovated.
- The college auditorium has been renovated and new audio system and CCTV cameras have been installed.

4.1.3. Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff?

YES. The institution has provided all facilities like office room, common room and separate rest rooms for women student and staff. Staff rooms have been provided with computer and internet facilities.

4.1.4 How does the institution ensure that the infrastructure facilities are barrier free for providing easy access to college and hospital for the differently-abled persons?

The institution has provided good transportation facilities both for students and faculties to the college and to hospitals.

For disabled persons stair case with easy steps and support on walking is provided and all other provisions are being made and all necessary assistance is being provided.

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4.1.5 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

The institution has a sports committee which governs and provides all the facilities to promote students' interest in sports and cultural events/activities.

I. Sports facilities provided in our college (Out Door Games)

- Volley Ball
- Tenni Koit
- Kho - Kho
- Kabaddi
- Cricket
- Throw Ball
- Hand Ball

II. Sports facilities provided in our college (In Door Games)

- Table Tennis
- Shuttle
- Carrrom
- Chess

4.1.6 What measures does the institution take to ensure campus safety and security?

The campus is provided with one entry and one exit system and is well secured with heavy gates guarded by security personnel in shifts. CCTV cameras are installed.

4.1.7 Facility of Animal House

Is animal house maintained as per CPCSEA guidelines?

YES.

Whether records of animal house are maintained for learning and research activities?

YES.

Does the animal house have approval for breeding and selling experimental animals as per CPCSEA guidelines?

NO.

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4.1.8 Provide the following details on the use of laboratories / museums as learning resources:

| Lab description | Space/student size | Availability of manuals | Quality of instruments |
|---|--------------------|-------------------------|------------------------|
| Pharmaceutical Organic chemistry I & II | 30 | YES | Validated and Good |
| Medicinal chemistry | 30 | YES | Validated and Good |
| Research lab | 30 | YES | Validated and Good |
| Pharmaceutical Biochemistry | 30 | YES | Validated and Good |
| Pharmaceutical Inorganic chemistry | 30 | YES | Validated and Good |
| Pharmaceutical Analysis I | 30 | YES | Validated and Good |
| Pharmaceutical Analysis II | 30 | YES | Validated and Good |
| Evaluation of dosage forms | 30 | YES | Validated and Good |
| Pharmacology II | 30 | YES | Validated and Good |
| Pharmacology III | 30 | YES | Validated and Good |
| Advanced Pharmacology and Toxicology | 30 | YES | Validated and Good |
| Pharmacological Screening | 30 | YES | Validated and Good |
| Pharmacognosy I | 30 | YES | Validated and Good |
| Pharmacognosy II | 30 | YES | Validated and Good |
| Pharmacognosy III | 30 | YES | Validated and Good |
| Chemistry of natural drugs | 30 | YES | Validated and Good |
| Physical pharmacy I | 30 | YES | Validated and Good |
| Physical pharmacy II | 30 | YES | Validated and Good |
| Pharmaceutical Engineering | 30 | YES | Validated and Good |
| Dispensing and hospital pharmacy | 30 | YES | Validated and Good |
| Pharmaceutical biotechnology | 30 | YES | Validated and Good |
| Pharmaceutical microbiology | 30 | YES | Validated and Good |
| Anatomy, physiology and health education | 30 | YES | Validated and Good |
| Anatomy, physiology and pathophysiology | 30 | YES | Validated and Good |
| Physical pharmaceuticals practicals | 30 | YES | Validated and Good |
| Pharmaceutical technology II | 30 | YES | Validated and Good |
| Novel drug delivery system and Regulatory affairs | 30 | YES | Validated and Good |
| Pharmaceutical technology I | 30 | YES | Validated and Good |
| Biopharmaceutics and pharmacokinetics | 30 | YES | Validated and Good |
| Human Anatomy & Physiology | 30 | YES | Validated and Good |
| Pharmaceutics | 30 | YES | Validated and Good |
| Medicinal Biochemistry | 30 | YES | Validated and Good |
| Pharmaceutical Organic Chemistry | 30 | YES | Validated and Good |
| Pharmaceutical Inorganic Chemistry | 30 | YES | Validated and Good |
| Pharmaceutical Microbiology | 30 | YES | Validated and Good |
| Pharmacognosy & | 30 | YES | Validated and Good |

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| | | | |
|-------------------------------------|----|-----|--------------------|
| Phytopharmaceuticals | | | |
| Pharmacotherapeutics I | 30 | YES | Validated and Good |
| Pharmacology II | 30 | YES | Validated and Good |
| Pharmaceutical Analysis | 30 | YES | Validated and Good |
| Pharmacotherapeutics II | 30 | YES | Validated and Good |
| Medicinal Chemistry | 30 | YES | Validated and Good |
| Pharmaceutical Formulations | 30 | YES | Validated and Good |
| Pharmacotherapeutics III | 30 | YES | Validated and Good |
| Hospital Pharmacy | 30 | YES | Validated and Good |
| Clinical Pharmacy | 30 | YES | Validated and Good |
| Biopharmaceutics & Pharmacokinetics | 30 | YES | Validated and Good |

UG laboratories 14 (10 exclusive and 4 shared including Computer / communication labs)

PG laboratories 08 (Exclusive including 04 Research Laboratories)

Central facility 02 (shared)

Machine Room 01 (shared)

Animal House 01 (Shared)

Museum

Museum is available one separate room with wide collection including specimens of biology and zoology, anatomy, Chemistry, plants charts, Pathology charts, Nutrition's etc. Apart from Museum room, Museum is scattered as display in main entrance, all departments.

Type and quality of collection in the museum

More 200 collections are available and it includes

1. Charts
2. Specimens
3. Dosage forms
4. Apparatus
5. Plants and uses
6. Nutritional information's
7. Diseases and Preventions

4.1.9. Dentistry

Not Applicable

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4.1.10 Pharmacy

Pharmaceutical Science Laboratories: Fully equipped laboratories are available as per the norms of affiliating university and the statutory bodies.

Museum for drug formulations – Available, the museum is upgraded on a regular basis.

Machine room – Available, all the machines are provided with SOPs

Herbarium / crude drug museum – Available, crude drug museum is available and is maintained by dept of Pharmacognosy and phytochemistry.

Balance room – Available, validated and maintained on a regular basis.

Chemical store – Available, the central chemical store caters to the needs of individual laboratories based on the filling up of indent forms. Separate provision is made for storage and issue of alcohol.

Instrumentation facilities – Available, the requisite instruments are provided in all the laboratories. The sophisticated equipments are maintained separately in the Divisions of pharmaceutical analysis and quality assurance, pharmaceutical chemistry, pharmaceuticals, pharmacology, pharmacognosy and phytochemistry.

Pilot plant – Available, the equipment used in the pharmaceutical industries are available in the machine room. These are used for pilot scale operations.

Computer aided laboratory – Available.

Power lab – Available.

Drug information Laboratory – Available, with clinical pharmacology database.

4.1.11 Yoga and Naturopathy

Not Applicable

4.1.12 Homoeopathy

Not Applicable

4.1.13 Nursing

Not Applicable

4.1.14 Ayurveda

Not Applicable

4.1.15 Does the institution have the following facilities? If so, indicate its special features, if any.

Meditation Hall - NO

Naturopathy blocks - NO

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4.1.16 Provide details of sophisticated equipments procured during the last four years.

The institution makes expenditures on purchase of Laboratory equipments & books / journals.

- HPLC - Elico make was procured to improve research facilities in Pharmaceutics Department.
- Flash Chromatogram, Brookfield Viscometer, UV - Vis double beam Spectrophotometer (Shimadzu).
- GC-FID, Rotary Evaporator, Disso Apparatus, Diffusion cell, BOD incubator, Homogenizers.
- Clinical Pharmacology Database of Dept of Pharmacy Practice renewal made every year from 2008 update.

4.2 Clinical Learning Resources

4.2.1 Teaching Hospital

Year of establishment 30 December 2000

Hospital institution distance 12 Kms

Whether owned by the college or affiliated to any other institution?

It's a secondary care referral hospital, established by Rural Development Trust at Anantapur as Head office on 1969.

Are the teaching hospitals and laboratories accredited by NABH, NABL or any other national or international accrediting agency?

NO

Number of beds 350 beds

Number of specialty services 11

Facilities - Clinical Specialities

- General medicine
- General surgery
- Obstetrics and gynaecology
- Paediatrics with PICU, NICU level I, II and III
- Anaesthesiology (Operation theatre, PAE Clinics, Pain Clinics and ICU)
- Infectious diseases, which includes Tuberculosis and HIV/AIDS
- Orthopaedics
- Radiology

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- Biochemistry
- Clinical pathology
- Microbiology
- Blood bank
- Cancer detection
- Emergency medicine (Casualty and ITU)

Supportive departments

- Nursing
- Nutrition
- Medico social work
- Patient counseling
- Administration
- Central sterile service supply
- Medical record rooms and registration
- Pharmacy
- Accounting
- House keeping
- Canteen
- Maintenance
- School of nursing
- Family planning centre
- Library
- Transport
- Security

Working hours: 8 am to 5 pm, emergencies will be seen round the clock (24 hours)

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Department of General Medicine

| | |
|--------------------------------|-----------|
| Male medical ward (beds) | 13 |
| Female medical ward (beds) | 13 |
| Isolation (beds) | 02 |
| OP consulting rooms | 05 |
| OP treatment room | 01 |
| Staff | |
| Consultants | 02 |
| Medical officers | 04 |
| Casualty medical officers | 05 |
| Statistics | |
| Average out patients per day | 200-300 |
| Average out patients per month | 6450-6500 |
| Average inpatients per month | 190-220 |

Department of General Surgery

| | |
|-----------------------------------|----|
| Consulting rooms | 06 |
| Dressing room | 01 |
| Endoscope room | 01 |
| DNB class room /Library | 01 |
| Male surgical medical ward (beds) | 12 |
| Female surgical ward (beds) | 12 |
| Infection wards (beds) | 16 |
| Pediatrics surgery (beds) | 06 |
| Isolation | 06 |
| Post OP wards | 04 |
| Staff | |
| HOD | 01 |
| Senior consultants | 02 |
| Consultants | 04 |
| DNB | 03 |
| Medical officers | 02 |

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Statistics

| | |
|---------------------------------|-----------|
| Average OP per day | 120-150 |
| Average OP per month | 3690-3700 |
| Average IP admissions per month | 180-190 |
| Average endoscopies per month | 95-100 |

Department of Obstetrics and Gynaecology

Outpatient facilities

| | |
|--------------------------------|----|
| Consultation rooms | 13 |
| Cancer detection program rooms | 15 |
| Procedure room | 01 |
| Counseling room | 01 |
| HOD room | 01 |
| DNB class room | 01 |
| High risk pregnancy ward-beds | 13 |
| Post natal ward-beds | 15 |
| Antenatal and gynaec ward-beds | 13 |
| Labour room-beds | 07 |
| Post OP ward-beds | 04 |
| Private beds | 05 |

Doctors

| | |
|--------------------|----|
| Senior consultants | 02 |
| Consultants | 04 |
| DNB students | 06 |
| Medical officers | 04 |

Statistics

| | |
|---------------------------------|-----------|
| Average OP per day | 170-180 |
| Average OP per month | 5270-5300 |
| Average IP admissions per day | 20 |
| Average IP admissions per month | 66 |

Labour room

| | |
|--------------------------------------|-------|
| Average number of deliveries per day | 13-17 |
|--------------------------------------|-------|

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| | |
|---|---------------|
| Average number of deliveries per month | 450-500 |
| Cancer screening | |
| Staff | |
| HOD | 01 |
| Consultant | 01 |
| Medical officers | 02 |
| Staff nurses | 02 |
| ANMS | 02 (Day care) |
| Counsellors | 01 |
| Data entry operator | 01 |
| Statistics of cancer detection | |
| Average number of patients screened per month | 350-400 |
| Average number of pap smears done per month | 300-350 |
| Total number of patients benefited by referrals | 53 |
| Department of Paediatrics | |
| Pediatric ward I - beds | 13 |
| Pediatric ward II - beds | 14 |
| Pediatric ward III - beds | 04 |
| Pediatric ward IV - beds | 14 |
| NICU I - beds | 09 |
| NICU II - beds | 10 |
| NICU III - beds | 10 |
| PICU | not started |
| Isolation | 04 |
| Special rooms | 04 |
| Doctors | |
| HOD | 01 |
| Consultants | 05 |
| Medical officers | 05 |
| Statistics | |
| Average OP per day | 200-350 |

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| | |
|---------------------------------------|-----------|
| Average OP per month | 5800-5900 |
| Average IP wards admissions per month | 200-220 |
| Average NICU admissions per month | 80-100 |
| Care and Supportive centre | |
| Male ward-beds | 21 |
| Female ward I-beds | 07 |
| Female ward I-beds | 08 |
| ART ward-beds | 09 |
| TB / Sputum +ve-beds | 11 |
| MDR-TB ward-beds | 10 |
| High dependency ward-beds | 05 |
| Doctors | |
| HOD | 01 |
| Medical officers | 05 |
| Statistics | |
| Average number of OP per day | 175 |
| Average number of OP per month | 4900 |
| Average number of IP per day | 8-10 |
| Average number of IP per month | 190-200 |

4.2.2. What specific features have been included for clinical learning in the out-patient, bedside, community and other clinical teaching sites?

The clinical services and pharmaceutical care services offered by the students of Pharm. D and M. Pharmacy practice programmes are monitored by preceptors from department of pharmacy practice and Resident medical officers of the hospitals. The clinical activities like:

- Ward round participation
- Treatment chart review
- Medication history interview
- Patient counseling
- Case collection
- Case discussion
- Drug and poison information services

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- Medication therapy management services, performed by the students on bed-side visit is monitored and evaluated by preceptors, the students have to submit all documents every month will be signed by the preceptor of hospital authority and counter signed by preceptor in department of pharmacy practice.

4.3. Library as Learning Resource

4.3.1 and 4.3.2

Does the library have an Advisory Committee? Specify the composition of the committee.

What significant initiatives have been implemented by the committee to render the library student/user friendly?

YES.

The Library Advisory Committee consists of the following Members:

1. Head of Institute - Principal
2. Coordinator Academic and Planning
3. Head of Departments
4. Librarian.

Table. 54 Library facilities in RIPER

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings | |
| During working day | 09.00 am to 5.00 pm |
| Week end and Vocation | 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

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4.3.3, 4.3.4 and 4.3.5

Give clear details of Library holdings

Table. 55 Subject Wise Classifications of Books Available

| S.No | SUBJECT | AVAILABLE | |
|------|--|-----------|---------|
| | | TITLES | NUMBERS |
| 01 | Pharmacy Practice | 50 | 184 |
| 02 | Human Anatomy and Physiology | 104 | 804 |
| 03 | Pharmaceutics (Dispensing & General Pharmacy | 223 | 1782 |
| 04 | Pharmacognosy | 84 | 580 |
| 05 | Pharmaceutical Organic Chemistry | 166 | 1093 |
| 06 | Pharmaceutical Inorganic Chemistry | 39 | 422 |
| 07 | Pharmaceutical Microbiology | 51 | 447 |
| 08 | Pathophysiology | 24 | 266 |
| 09 | Applied Biochemistry & Clinical Chemistry | 71 | 490 |
| 10 | Pharmacology | 80 | 815 |
| 11 | Pharmaceutical Jurisprudence | 22 | 220 |
| 12 | Pharmaceutical Dosage Forms | 73 | 444 |
| 13 | Community Pharmacy | 31 | 220 |
| 14 | Clinical Pharmacy | 28 | 275 |
| 15 | Hospital Pharmacy | 21 | 282 |
| 16 | Pharmacotherapeutics | 27 | 265 |
| 17 | Pharmaceutical Analysis | 92 | 790 |
| 18 | Medicinal Chemistry | 82 | 712 |
| 19 | Biology | 28 | 184 |
| 20 | Computer Science or Computer Application in Pharmacy | 31 | 207 |
| 21 | Mathematics/Statistics | 24 | 126 |
| 22 | Others (Reference books and GATE) | 77 | 643 |
| | Total | 1428 | 11251 |

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Table. 56 National Journals Particulars

| S. No | Journal Particulars | S. No | Journal Particulars |
|-------|---|-------|---|
| 01 | Pharma Times | 22 | APTI Bulletin |
| 02 | Advanced Biotech | 23 | Journal of Chemical Sciences |
| 03 | Journal of Genetic | 24 | Indian Journal of Pharmacy Practice |
| 04 | Indian Drugs | 25 | The Indian Pharmacist |
| 05 | Indian Journal of Clinical Practice | 26 | Medinews |
| 06 | Pharma Bio World | 27 | Ingredients South Asia |
| 07 | The Antiseptic | 28 | U R |
| 08 | Health | 29 | ISPOR Connections |
| 09 | Indian Journal of Pharmaceutical Sciences | 30 | Modern Pharma |
| 10 | Aryavaidyan | 31 | Indian Journal of Hospital Pharmacy |
| 11 | Indian Journal of Pharmacology | 32 | Life Sciences Industry News |
| 12 | Journal of Spice and Aromatic Crops | 33 | Pharmag |
| 13 | Journal of Biosciences | 34 | The Asian Journal of Diabetology |
| 14 | The Pharma Review | 35 | Pharmanext |
| 15 | Phytopharm | 36 | The SciTech Journal |
| 16 | Journal of Natural Remedies | 37 | Express Pharma |
| 17 | NAMAH | 38 | Indian Journal of Natural Products |
| 18 | NIDA Notes | 39 | Journal of Ayurveda and Integrative Medicine |
| 19 | CRIPS | 40 | Asian Journal of Pharmaceutical and Health Sciences |
| 20 | Resonance | 41 | Chronicle Pharmabiz |
| 21 | Ancient Science of Life | | |

Table. 57 International Journals Particulars

| S. No | Journal Particulars |
|-------|---|
| 01 | Journal of Pharmacy and Chemistry |
| 02 | Indian Journal of Heterocyclic Chemistry |
| 03 | International Journal of Pharmacology and Biological Sciences |
| 04 | Advances in Pharmacology and Toxicology |
| 05 | International Journal of Synthesis and Characterization |
| 06 | Asian Journal of Chemistry |
| 07 | International Journal of Chemical Sciences |
| 08 | Environmental Health Perspectives |
| 09 | SPAN |
| 10 | Asian Journal of Microbiology, Biotechnology and Environmental Sciences |

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| | |
|----|---|
| 11 | Journal of Pharmaceutical Research |
| 12 | ACTA CIENCIA INDIACA |
| 13 | Journal of Ecotoxicology and Environmental Monitoring |
| 14 | Addiction Science and Clinical Practice |
| 15 | Oriental Journal of Chemistry |
| 16 | Herbal unanimed |
| 17 | International Journal of Pure Applied Chemistry |
| 18 | Geobios |
| 19 | Pharma Nest |

Table. 58 Periodicals Particulars

| S.No | Periodicals Particulars | Periodicity |
|------|---|-------------|
| 01 | Pharma Times | Monthly |
| 02 | Indian Drugs | Monthly |
| 03 | The Antiseptic | Monthly |
| 04 | Health | Monthly |
| 05 | Advanced Biotech | Monthly |
| 06 | The Pharma Review | Bi-Monthly |
| 07* | Indian Journal of Clinical Practice | Monthly |
| 08* | The Asian Journal of Diabetology | Monthly |
| 09 | PharmaBioworld | Monthly |
| 10 | Indian journal of Pharmaceutical Sciences | Monthly |
| 11 | Advances in Pharmacology and Toxicology | Quarterly |
| 12 | International Journal of Pharmacology and Biological Sciences | Quarterly |
| 13 | Indian Journal of Pharmacology | Bi-Monthly |
| 14 | Journal of Spices and Aromatic Crops | Semi Annual |
| 15 | Journal of Genetics | 3 Issues |
| 16 | Journal of Biosciences | Bi-Monthly |
| 17 | Resonance | Monthly |
| 18 | Journal of Chemical Sciences | Bi-monthly |
| 19 | Phytopharm | Monthly |
| 20 | Current Science | Fortnightly |
| 21 | NAMAH | Quarterly |
| 22 | CRIPS | Quarterly |
| 23 | Ancient Science Of Life | Quarterly |
| 24 | APTI BULLETIN | |
| 25 | Indian Journal of Pharmacy Practice | Quarterly |
| 26 | Pharma Next | Quarterly |
| 27 | The Indian Pharmacist | Monthly |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

| | | |
|-----|--|-------------|
| 28* | Modern pharmaceuticals | Monthly |
| 29 | Herbal Unanimed | Monthly |
| 30 | Journal of Pharmacy and Chemistry | Quarterly |
| 31 | International Journal of Pure Applied Chemistry | Quarterly |
| 32 | International Journal of Chemical Sciences | Quarterly |
| 33 | SPAN | Bi-Monthly |
| 34 | Asian Journal of Chemistry | Bi-Monthly |
| 35 | Indian Journal of Heterocyclic Chemistry | Quarterly |
| 36 | ACTA CIENCIA INDICA | Quarterly |
| 37 | Oriental Journal of Chemistry | Quarterly |
| 38 | International Journal of Pharmaceutical Excipients | Quarterly |
| 39 | Journal of Natural Remedies | Semi Annual |
| 40 | GEOBIOS | Quarterly |
| 41 | Pharmakine | Quarterly |
| 42 | Indian Journal of Hospital Pharmacy | Bi-Monthly |
| 43 | Aryavaidyan | Quarterly |
| 44 | Journal of Ayurveda and Integrative Medicine | Monthly |
| 45 | Express Pharma | Quarterly |
| 46 | Current Trends in Pharmaceutical Sciences | Quarterly |

Table. 59 Online Journals Particulars

| S.No | Online Journals particulars |
|------|---|
| 1 | American Journal of Pharmaceutical Education |
| 2 | North American Journal of Medical Sciences |
| 3 | Journal of Paediatric Neurosciences |
| 4 | Annals of Tropical Medicine and Public Health |
| 5 | Journal of Natural Pharmaceuticals |
| 6 | Indian Journal of Medical and Paediatric Oncology |
| 7 | Journal of Surgical Technique and Case Report |
| 8 | Annals of Maxillofacial Surgery |
| 9 | The Indian Journal of Medical Research |
| 10 | Journal of Conservative Dentistry |
| 11 | Journal of Pharmacology and Pharmacotherapeutics |
| 12 | Journal of Mid-life Health |
| 13 | Annals of Medical and Health Sciences Research |
| 14 | Journal of Indian Society of Periodontology |
| 15 | Thyroid Research and Practice |
| 16 | Journal of Anesthesiology Clinical Pharmacology |
| 17 | Lung India |
| 18 | Indian Journal of Palliative Care |

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| | |
|----|--|
| 19 | Journal of Natural Science, Biology and Medicine |
| 20 | Journal of Human Reproductive Sciences |
| 21 | Indian Journal of Cancer |
| 22 | Young Scientists Journal |
| 23 | Perspectives in Clinical Research |
| 24 | Journal of Cancer Research and Therapeutics |
| 25 | IETE Journal of Research |
| 26 | Conservation and Society |
| 27 | Asian Journal of Neurosurgery |
| 28 | Middle East African Journal of Ophthalmology |
| 29 | Indian Journal of Critical Care Medicine |
| 30 | Asian Journal of Pharmaceutics |
| 31 | Annals of Indian Academy of Neurology |
| 32 | Journal of Neurosciences in Rural Practice |
| 33 | Indian Journal of Psychiatry |
| 34 | Indian Journal of Pharmacology |
| 35 | Indian Journal of Dermatology |
| 36 | Contemporary Clinical Dentistry |
| 37 | Journal of Minimal Access Surgery |
| 38 | Saudi Journal of Gastroenterology |
| 39 | Nigerian Journal of Clinical Practice |
| 40 | International Journal of Yoga |
| 41 | African Journal of Paediatric Surgery |
| 42 | Indian Journal of Orthopaedics |
| 43 | Urology Annals |
| 44 | Journal of Cardiovascular Disease Research |
| 45 | Annals of Thoracic Medicine |
| 46 | Indian Journal of Pathology and Microbiology |
| 47 | Annals of Cardiac Anaesthesia |
| 48 | Indian Journal of Urology |
| 49 | Saudi Journal of Kidney Diseases and Transplantation |
| 50 | Indian Journal of Community Medicine |
| 51 | Neurology India |
| 52 | Indian Journal of Ophthalmology |
| 53 | Journal of Dental Implants |
| 54 | Oman Journal of Ophthalmology |
| 55 | Journal of Cutaneous and Aesthetic Surgery |
| 56 | Indian Journal of Endocrinology and Metabolism |
| 57 | Pharmacognosy Reviews |

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| | |
|----|--|
| 58 | Journal of Indian Association of Pediatric Surgeons |
| 59 | Journal of Global Infectious Diseases |
| 60 | Pharmacognosy Research |
| 61 | Annals of African Medicine |
| 62 | International Journal of Shoulder Surgery |
| 63 | Avicenna Journal of Medicine |
| 64 | Indian Journal of Dermatology, Venereology and Leprology |
| 65 | Journal of Advanced Pharmaceutical Technology & research |
| 66 | Heart Views |
| 67 | Indian Journal of Plastic Surgery |
| 68 | International Journal of Trichology |
| 69 | Journal of Ayurveda and Integrative Medicine |
| 70 | Indian Journal of Radiology and Imaging |
| 71 | Indian Journal of Anaesthesia |
| 72 | Pharmacognosy magazine |
| 73 | Noise and Health |
| 74 | Journal of Young Pharmacist |
| 75 | Journal of Pharmaceutical Negative Results |
| 76 | Indian Journal of Medical Microbiology |
| 77 | Journal of Pharmacy and Bio-allied Sciences |
| 78 | Journal of Postgraduate Medicine |
| 79 | Journal of Family and Community Medicine |
| 80 | Journal of Medical Physics |
| 81 | Ancient Science of Life |
| 82 | Indian Journal of Public Health |
| 83 | World Journal of Nuclear Medicine |
| 84 | Saudi Journal of Anaesthesia |

4.3.6 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Table. 60 Summary of budget and the actual expenditure incurred exclusively for the institution for three previous financial years

| Items | Budgeted | Actual expenses | Budgeted | Actual expenses | Budgeted | Actual expenses |
|-------------------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|
| | 2014 - 2013 | | 2013 - 2012 | | 2012 - 2011 | |
| Infrastructure built-up | 650000 | 600000 | 650000 | 5027856 | 650000 | 6018686 |
| Library | 650000 | 600000 | 650000 | 589087 | 650000 | 602239 |
| Laboratory equipment | 550000 | 500000 | 550000 | 410139 | 550000 | 1199358 |

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| | | | | | | |
|--|----------|----------|----------|----------|----------|----------|
| Laboratory consumables | 1100000 | 100000 | 1100000 | 931122 | 1100000 | 1672607 |
| Teaching & Non-teaching faculty salary | 17000000 | 16000000 | 17000000 | 14445417 | 17000000 | 13075155 |
| R & D | 1200000 | 1000000 | 1200000 | 1200000 | 1200000 | 800000 |
| Training & travel | 1500000 | 1000000 | 1500000 | 1426142 | 1500000 | 757524 |
| Total | 22650000 | 20700000 | 22650000 | 24029763 | 22650000 | 24125569 |

4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?

The Feedback obtained from students / staff by the head of the institution is passed on to the librarian for implementation in-order to improve the library services for the benefit of the students.

4.3.8. List the efforts made towards the infrastructural development of the library in the last four years.

Upgraded library software

Provided training programme for library staff at JNTUA

Installed High speed internet for the use of the students.

More computer facilities were made.

4.4.2 How does the institution maintain and update the following services?

Hospital Management Information System (HMIS)

Electronic Medical Records System (EMR)

Digital diagnostic and imaging systems including PACS

All the above mentioned systems and services are under construction in the collaborated hospital setting RDT Hospitals, Bathalapalli, Anantapuramu, Andhra Pradesh.

4.4.3 Give details of the institution's computing facilities i.e., hardware and software.

| | |
|--|----------------|
| Internet Services | YES |
| Name of the Internet provider | BSNL Broadband |
| Available bandwidth | 1 Mbps |
| Access speed | 0.60 Mbps |
| Availability of Internet in an exclusive lab | YES |
| Availability in most computing labs | YES |

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| | |
|---|--|
| Availability in departments and other units | YES – Wi-Fi |
| Availability in faculty rooms | Wi-Fi |
| Institute's own e-mail facility to faculty/students | No |
| Security/privacy to e-mail/Internet users | No |
| Computer-student ratio | 1: 10 |
| Dedicated computing facilities | Computer lab, Language Lab, PG Lab. |
| LAN facility | YES. Available |
| Wi-Fi facility | YES. Available |
| Proprietary software | Language lab,Clinical pharmacology,HPLC. |
| Number of computers with internet facility | 50 systems |

4.4.4. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The IT infrastructure and associated facilities are upgraded based the requirement from faculties and PG students.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/ packages provided to the staff and students for quality teaching-learning and research.

Not Applicable

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

The administration of institution has adopted a new technology vidya-ERP for communication of all information to staff members, students and their parents on day to day activities including absence to the institution. Weekly tests in all the subjects are conducted and the information is communicated to the parents.

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

Staff members are effectively using the IT facilities through the computers provided along with the internet access.

4.4.8 Give details of ICT-enabled classrooms/learning spaces available within the institution.

How are they utilized for enhancing the quality of teaching and learning?

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ICT enabled class room is available, LCD projectors are utilized by staff and students for presentations, E-library resources are utilized for accessing journals and Language laboratory is available.

4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials?

What are the facilities available in the institution for such initiatives?

All the staff members have been trained in utilizing computer aided teaching. They are able to use smart board, to make power point presentations and computer along with Internet facilities provided to all the staff.

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?

The institution has annual maintenance contract for printer cum scanner. All other computers and accessories are maintained by the regular staff appointed in this regard.

4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity? If so, what are the services availed of?

NO.

4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Staff and students of the institution do have access to Wikipedia, dictionary and other education enhancing resources as and when required through the internet.

4.5 Maintenance of Campus Facilities

4.5.1 Does the institution have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

YES, the institution has a designated officer for maintenance of campus facilities, who takes care of all the recommended renovation processes.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The institution appoints a senior lab in-charge/attender for supervising and maintenance of the infrastructure facilities, services and equipments on a periodic and regular time interval and reports to the administration.

4.5.3 Has the institution insured its equipments and buildings?

High end equipments are under annual maintenance contract.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution have a system for student support and mentoring? If yes, what are its structural and functional features?

YES.

The institution has a Student Mentorship Programme (SMP).

Overview of the Student Mentoring Program -

- The Student Mentoring Program (SMP) is based on the idea that pharmacy students need both specific, content-oriented mentoring and general career advice relevant to advancing as future pharmacists.
- To foster stronger relationships between students and teachers, the Mentoring Subcommittee of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) assigns teachers to serve as academic and career mentors.
- The institution assigns experienced faculty as mentors.
- The assignment of mentees to experienced mentors depends upon having a cadre of experienced faculty who volunteer for the program.
- There are many senior faculty members enrolled in the program, and more are added yearly. The institution chair person will help the SMP in identifying and encouraging potential mentors in their department to participate in the departmental and the general mentoring programs.

Roles & Responsibilities of Mentor:

- Promotes intentional learning through multi-channels, transformational learning beyond the day to day.
- Coaching, insights, sharing own experiences (anecdotes and personal scenarios), guidance, modeling, stimulates individual growth, encourages thought provoking opportunities that help develop a personal vision, helps mentee identifying his/her personal winning strategy, elicits high commitment for change and development.
- Opens doors to learning opportunities when possible and appropriate.
- Provides mentee exposure to broad network.
- Provides a broader view thus creating a path for the future of the mentee.

Student Mentorship Framework

1. Head of Institute
2. Coordinator Academic and Planning
3. Head of Departments
4. Faculty members

Types of Mentoring Discussion

- Quality & Timelines of work, Interaction, Involvement, Attendance, Responsibility, Overall performance
- Individual Development
- Gain new insight & experience
- Special projects
- Career development

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

The students have free access to meet their mentor's any time; the students have the freedom to interact with the teachers after the class hours also, they can make use of the personal telephone numbers of their teachers, for the academic interactions, the regular tutorials are also helpful.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counseling, soft skills development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

YES.

- Student Mentorship Programme – which exists in institute.
- GPAT / NIPER Coaching classes
- Advanced communication skill laboratory
- Good manufacturing practice
- Regulatory affairs
- Intellectual property rights
- Recent trends in Pharmaceutical sciences
- Recent trends in Product development, stability and clinical studies
- Encouraging students participation in conferences/seminars/symposiums/workshops along with presentations of research studies.

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- Peer evaluation of project work.
- Guest lectures by resource persons of academics, industries, KPO and healthcare.
- Journal club presentations.
- Drug club presentations.
- Preceptorship in Pharm. D students.
- Making students skilled in drug information and poison information services.
- Interpretation of laborator investigations.
- Training programmes
- Hospital visits and Industrial visits

5.1.4 Does the institution have facilities for psycho social counseling for students?

YES

5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

YES.

The institution provides assistance to students for obtaining educational loans from banks and other financial institutions.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

YES.

The institution publishes prospectus annually, which contains:

- Institutional establishment
- Programmes offered
- Admission and eligibility process
- Salient features of the institution
- Academic achievements
- Student orientation programmes
- Hostel facilities
- Photo gallery

YES, there a provision for online access.

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5.1.7 Specify the type and number of institution scholarships / free ships given to the students during the last four years. Was financial aid given to them on time? Give details. (in a tabular form)

The institutional student affair wing in the administrative set-up, governs all details regarding scholarship and institutional tuition fee payment, most of the students gets financial aids at a right time for which the student affair wing works with more commitment.

5.1.9 Does the institution have an International Student Cell to attract foreign students and cater to their needs?

YES.

5.1.10 What types of support services are available for Overseas students.

- The institution firstly scrutinizes scanned copies of their original documents for their eligibility of admissions.
- If the students are found eligible, the officer - foreign affairs, assists them in obtaining visa.
- Assistantship on transport and accommodation is offered.
- The institution favours their demand and special attention is given for them through foreign affairs director.
- Slow learners of overseas are monitored regularly and more academic concentration is made by the faculties.

5.1.11 Does the institution provides guidance and/or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)? If yes, what is the outcome?

YES.

Table. 61 Outcomes on guidance and/or conduct coaching classes for students appearing for competitive examinations

| S.NO | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGECET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |
| Government University | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

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5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

- Partial Financial assistance for transport provided
- Sports uniform and material is provided
- Additional academic support and academic flexibility in examinations
- Academic support: Leave is given and attendance is compensated.
- Internal assessment examinations are rescheduled without clashing with the events

5.1.13 Does the institution have an institutionalized mechanism for student placement? What are the services provided to help students identify job opportunities, prepare themselves for interviews, and develop entrepreneurship skills?

YES. The institution has established Placement cell is established.

Salient features of placement cell:-

- Off- campus interviews
- Opportunity for changing job
- Guidance for higher studies
- Encouraging participation in Job fair
- E. mails alerts to individual students
- Resumes are forwarded by the placement cell
- Lectures and workshops are organized for CV writing, how to face an interview
- Personal contact is maintained till they are placed
- Placement through Alumni contacts.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

The faculties of institute foster the learning of advanced learners by:

- Instilling research thoughts
- Practise innovative learning
- Advice them in evidence based learning process
- Participation in seminars/conferences/workshops/symposiums both national and overseas
- Presentation of their research works in seminars/conferences/workshops/symposiums both national and overseas
- Presentation of Seminars within institution.

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- Their achievements are highlighted and displayed on the notice boards, and magazine.
- The award winners are mentioned in the annual college report and are honoured during the graduation ceremony
- Students having good academic performance are given priority in the selection for PG courses.
- Every year distinction awards are distributed for First Class with Distinction Students.

Table. 62. RIPER University Gold Medalist

| S.No | Student Name | Merit Particulars | University | Programme & Academic Year |
|------|---------------------------|--------------------------|---|---------------------------|
| 01 | Mr. Murali Mohan Reddy. D | University Gold Medalist | Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh | B. Pharmacy 2005 - 2009 |

Table. 63 RIPER Gold Medalists

| S.NO | Academic Year | Programme | Name of the Student |
|------|---------------|-----------------------------|------------------------|
| 01 | 2006 | B. Pharmacy | A. Kavitha |
| 02 | 2007 | B. Pharmacy | Y. Kishore Kumar Reddy |
| 03 | 2008 | B. Pharmacy | K. Jaswanth |
| 04 | 2009 | B. Pharmacy | D. Murli Mohan Reddy |
| 05 | 2010 | B. Pharmacy | A. Anusha Bhatt |
| | | M. Pharmacy | A. Karuna Shree |
| 06 | 2011 | B. Pharmacy | M. Teeja Deepthi |
| | | M. Pharmacy | C.V.N.K Gupta |
| 07 | 2012 | B. Pharmacy | K. Ayeesha Begum |
| | | M. Pharmacy | R. Savithri |
| | | Pharm. D post baccalaureate | S. Sowmya |
| 08 | 2013 | B. Pharmacy | J. Ranga Chandana |
| | | M. Pharmacy | A. Alikhya |
| | | Pharm. D post baccalaureate | Abdul salam |
| 09 | 2014 | B. Pharmacy | V. Vinay Kumar |
| | | M. Pharmacy | R. Rajalakshmi Devi |
| | | Pharm. D | S. Rubiya |

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| | | | |
|----|------|----------------------------|-------------|
| | | Pharm. D post bacalaureate | V. Lokesh |
| 10 | 2015 | Pharm. D | B. Sasikala |

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons and take remedial measures?

The annual dropout is 1% or nil, the reasons be health issues which make them to write examination or personal reasons.

5.1.16 Give the number of students selected during campus interviews by different employers (List the employers and the number of companies who visited the campus during the last four years).

Table. 64 Placement Records of Pharm. D Students

| S. No | Batch | Area of Placements | Number of Students |
|-------|-------------|---------------------------|--------------------|
| 01 | 2008 -2014 | Academics | 10 |
| | | CRO's | 06 |
| | | Pharmacovigilance centres | 05 |
| | | Clinical Pharmacist's | 02 |
| | | Abroad for Higher studies | 05 |
| 02 | 2009 - 2012 | Clinical Pharmacist's | 02 |
| | | Abroad for Higher studies | 03 |
| | | Academics | 04 |
| 03 | 2010 - 2013 | Abroad for Higher studies | 02 |
| | | Academics | 04 |
| 04 | 2011 - 2014 | Academics | 05 |
| | | Abroad for Higher studies | 02 |
| | | Pharmacovigilance centres | 02 |
| | | Clinical Pharmacist's | 01 |

Table. 65 Placement Records of M. Pharmacy Students

| S. No | Batch | Area of Placements | Number of Students |
|-------|-----------|---|--------------------|
| 01 | 2012 - 14 | Quality Assurance Quality Control Regulatory Affairs Formulation R & D Pharmacovigilance K P O | 40 |
| 02 | 2011 - 13 | Quality Assurance Quality Control | 65 |

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| | | | |
|----|-----------|---|----|
| | | Regulatory Affairs Formulation R & D Pharmacovigilance K P O | |
| 03 | 2010 - 12 | Quality Assurance Quality Control Regulatory Affairs Formulation R & D Pharmacovigilance K P O | 34 |

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities and contributions to the development of the institution?

YES, the institution has registered alumni association governed by alumni committee; conducts annually one gathering (alumni meet) and discuss about their experience of placements and job description, perspective scenario of pharmaceutical sciences and research, alumni guides the students of the institute in various discipline and also valuable feedbacks are collected and documented through which further ideas on development strategy of the institution in terms of promoting quality education.

5.1.19 In what ways does the institution respond to alumni requirements?

The institution responds instantaneously to all the queries of alumni including transcription, recommendation letters, testimonials, job requirements.

5.1.20 Does the institution have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

YES.

The institution has a student grievance redressal cell, comprising of head of institute, coordinator academic and planning, vice-principal and three senior faculties, whose responsibilities is responding, verifying and design of action plan to rectify the issues. Coordination of discipline in campus.

Table. 66 Student grievance redressal cell

| Head of Institute | Vice Principal | Coordinator academic and Planning | Senior Faculties |
|-------------------------|-----------------------|-----------------------------------|---|
| Dr. Y. Padmanabha Reddy | Dr. J. Ravindra Reddy | Dr. K. Ramakrishna Reddy | Dr. P. Ramalingam Dr. C. Sowmya Mr. K. Omkareswar |

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5.1.21 Does the institution promote a gender-sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

Internal Security for women Cell is functional. Gender sensitivity orientation program has been attended by all the staff members.

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

YES.

The institution has an anti-ragging committee, comprising of head of institute and senior faculty members who are responsible for review of complaints / vigilance / action plan as per act.

Table. 67 Anti-ragging committee

| | | |
|--|---|--|
| Principal Senior faculty members | Dr. Y. Padmanabha Reddy Dr. J. Raveendra Reddy Dr. P. Ramalingam Dr. M. Vijaya Jyothi Dr. Mohanraj Rathinavelu Mr. K. Vinod Kumar Mr. C. Surya Prakash Reddy Mr. K. Omkareswar | Review of complaints/vigilance/action plan as per act. |
|--|---|--|

- The committee conducts regular meetings.
- The anti ragging squad visits the boys' and girls' hostels separately. The affidavits submitted by the students, the posters displayed in the institution and the interactions with the fresher's as well as seniors have ensured that there are no incidences of ragging till now.

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The institution governs and refines all the activities curricular/co-curricular/extracurricular/infrastructure developments/research activities/teaching-learning process/student activities every year to attain the quality policy/mission and vision to privileged levels, which are discussed in the governing council meetings regularly.

All the minutes of meeting and action plan framed are informed with reports of various surveys in stake holders meeting and their feedbacks are gold standards, their suggestions are also considered for incorporating for the endeavours.

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5.1.24 How does the institution ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- Opportunities are given for female students to participate in intra- and inter-institutional sports competitions and cultural activities
- Sports and cultural committees organize events exclusively for female students.
- The sports and cultural committees have female students and staff members to facilitate and encourage the participation of female students.

INTRA UNIVERSITY GAMES & SPORTS FOR 2013 - 2014

Event: Inter College Games Meet

Venue: Adhi Sankara College of Engineering & Technology, Nellore Dt, A.P., India

Date of Event: 28th - 30 March 2013

| S. No | EVENT | QUALIFIED |
|-------|-----------------|---------------|
| 01 | HAND BALL (MEN) | QUARTER FINAL |

- Yellama Chandra student of IV. B. Pharmacy of our college Raghavendra Institute of Pharmaceutical Education & Research was selected by All India Inter University South Zone Tournament Event held at Cochin, Kerala., India for KHO - KHO.

NATIONAL SPORTS DAY CELEBRATIONS (29TH August)

| S. No | Event | | Winners | Runners | Date |
|-------|-------------|-------|------------------|------------------|-----------|
| 01 | KHO - KHO | WOMEN | III. B. Pharmacy | II. M. Pharmacy | August 29 |
| 02 | TENNI KOIT | WOMEN | IV. B. Pharmacy | II. B. Pharmacy | August 29 |
| 03 | VOLLEY BALL | MEN | IV. Pharm. D | III. B. Pharmacy | August 29 |
| 04 | KABADDI | MEN | I. M. Pharmacy | I. M. Pharmacy | August 29 |

COLLEGE DAY CELEBRATIONS

| S. No | Event | | Winners | Runners |
|-------|--------------|-------|------------------|------------------|
| 01 | VOLLEY BALL | MEN | IV. Pharm. D | III. B. Pharmacy |
| 02 | KHO-KHO | MEN | III. B. Pharmacy | II. B. Pharmacy |
| 03 | CRICKET | MEN | III. B. Pharmacy | V. Pharm. D |
| 04 | KABADDI | MEN | I. M. Pharmacy | IV. B. Pharmacy |
| 05 | SHUTTLE | MEN | III. B. Pharmacy | IV. Pharm. D |
| 06 | KHO - KHO | WOMEN | III. B. Pharmacy | II. B. Pharmacy |
| 07 | THROW BALL | WOMEN | III. B. Pharmacy | I. Pharm. D |
| 08 | TENNI - KOIT | WOMEN | II. B. Pharmacy | III. Pharm. D |
| 09 | TABLE TENNIS | WOMEN | I. Pharm. D | M. Pharmacy |
| 10 | SHUTTLE | WOMEN | II. Pharm.D | M. Pharmacy |

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INTRA UNIVERSITY GAMES & SPORTS FOR 2012 - 2013

Event: Inter College Games Meet

Venue: Santhiram Engineering College, Nandyal, A.P., India

Date of Event: 28th - 30 January 2013

Achievements of Students

| S. No | Name of Event | | Qualified |
|-------|---------------|-------|---------------|
| 01 | VOLLEY BALL | MEN | Quarter Final |
| 02 | TABLE TENNIS | MEN | II Round |
| 03 | SHUTTLE | MEN | III Round |
| 04 | THROW BALL | WOMEN | I Round |
| 05 | TENNI KOIT | WOMEN | III Round |
| 06 | TABLE TENNIS | WOMEN | I Round |
| 07 | SHUTTLE | WOMEN | II Round |

INTER UNIVERSITY GAMES & SPORTS FOR 2012 - 2013

| S. No | EVENT | VENUE | DATE |
|-------|-----------|---------------------|------------|
| 01 | FOOT BALL | JNTUA, Anantapuramu | 20. 09. 12 |
| 02 | KHO - KHO | SSSS, Anantapuramu | 23. 12. 12 |
| 03 | KABADDI | ACTS, Anantapuramu | 16. 11. 12 |

✚ Dawalbait Boshra student of II. B. Pharmacy of our college Raghavendra Institute of Pharmaceutical Education & Research was selected by All India Inter University South Zone Tournament Event held at ANNAMALAI UNIVERSITY, Chidambaram, Tamil Nadu., India for FOOT BALL.

Sports & Games conducted in the Year 2011 - 2012

| S. No | Event | Winners | Runners | Date |
|-------|-----------------------|-----------------|-----------------|-----------|
| 01 | KHO - KHO (Women) | II. B. Pharmacy | I. Pharm. D | August 15 |
| 02 | TENNI KOIT (Women) | IV. B. Pharmacy | I. B. Pharmacy | August 15 |
| 03 | VOLLEY BALL (Men) | I. M. Pharmacy | II. B. Pharmacy | August 15 |
| 04 | KABADDI (Men) | IV. Pharm. D | I. M. Pharmacy | August 15 |

III. REPUBLIC DAY CELEBRATIONS (26TH January)

| S. No | EVENT | PLACE SECURED | |
|-------|--------------|-------------------------|----------------------|
| | | WINNER | RUNNER |
| 01 | 100 Mts, RUN | III. Pharm.D (K. Dixit) | III. B. Pharmacy (M. |

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| | | | | |
|----|--------------|-----------|-------------------------------|------------------------------|
| | | | | Prasad) |
| 02 | SHOT PUT | FOR MEN | IV. Pharm. D (Saitharun) | III. Pharm.D (K. Dixit) |
| 03 | LONG JUMP | | III. Pharm. D(Laxmanamurthy) | II. B. Pharmacy(Dhanunjaya) |
| 04 | HIGH JUMP | | I. B. Pharmacy (Harshvardhan) | II. B. Pharmacy (Y. Chandra) |
| 04 | 100 Mts, RUN | FOR WOMEN | II. B. Pharmacy (Ashwini. T) | III. Pharm. D (Sasikala) |
| 05 | SHOT PUT | | II. Pharm. D (C. Anusha) | II. B. Pharmacy (R. Madhavi) |
| 06 | LONG JUMP | | II. B. Pharmacy (S. L. Priya) | II. B. Pharmacy (B. Amulya) |

SPORTS & GAMES CONDUCTED IN THE YEAR 2010 - 2011

| S. No | Event | Winners | Runners | Date |
|-------|--------------------|-----------------|-----------------|-----------|
| 01 | KHO - KHO (Women) | I. B. Pharmacy | II. B. Pharmacy | August 15 |
| 02 | TENNI KOIT (Women) | I. M. Pharmacy | II. Pharm. D | August 15 |
| 03 | VOLLEY BALL (Men) | IV. B. Pharmacy | I. M. Pharmacy | August 15 |

COLLEGE DAY CELEBRATIONS 2010 - 2011

| S. No | EVENT | | PLACE SECURED | | |
|-------|--------------|-----------|--------------------------------|----------------------------------|-------------------------------|
| | | | FIRST | SECOND | THIRD |
| 01 | 100 Mts, RUN | FOR MEN | II. B. Pharmacy (M. Ravi) | III. B. Pharmacy (M. Nizzamudin) | I. Pharm. D (P. Lakshmikanth) |
| 02 | SHOT PUT | | II. B. Pharmacy (D. Mahesh) | I. M. Pharmacy (D. Anil Kumar) | I. Pharm. D (M. Venkatesh) |
| 03 | LONG JUMP | | I. Pharm. D (K. Sai Tharun) | III. B. Pharmacy (M. Pawan) | I. M. Pharmacy (P. Surendra) |
| 04 | 100 Mts, RUN | FOR WOMEN | II. B. Pharmacy (RekhaMadhavi) | I. B. Pharmacy (D. Sai Lakshmi) | II. Pharm. D (D. Anusha) |
| 05 | SHOT PUT | | II. Pharm. D (P. T. Priyanka) | II. B. Pharmacy (B. Amulya) | I. B. Pharmacy (D.S. Jyothi) |

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community and district hospital during the internship period?

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The institution offers Pharm. D program and PG in pharmacy practice collaborated with RDT Hospitals, Bathalapalli for providing clinical pharmacy practice training, from II year to VI of programme in which students performs all the patient centred pharmaceutical care services monitored by healthcare professionals of hospitals and faculties of division of pharmacy practice both designated has preceptors.

The institution also tied-up with FORTIS Healthcare Limited Mulund, Mumbai for advanced teaching-learning corporate clinical pharmacy practice certified programme.

This training affords students ease accessibility in General medicine, General surgery, Obstetrics and gynaecology, Paediatrics with PICU, NICU level I, II and III, Anaesthesiology (Operation theatre, PAE Clinics, Pain Clinics and ICU), Infectious diseases, which includes Tuberculosis and HIV/AIDS, Orthopaedics, Radiology, Biochemistry, Clinical pathology, Microbiology, Blood bank, Cancer detection and Emergency medicine (Casualty and ITU)

The students can perform various clinical activities like drug monitoring, disease monitoring and drug-disease management, through ward round participation, treatment chart review, medication history interview, case screening, case discussion, designing interventions, studies on drug related problems, medication therapy management services, drug information services, patient counseling and provides optimum best health outcomes in patient which is rational.

M. Pharmacy students are trained in various divisions of the pharmaceutical industry like production, quality assurance, GMP, GLP, regulatory, audit and documentation.

5.1.26 Does the institution has immunization policy for its students and staff?

The institution currently does not practice immunization policy, but follow blood donation policies.

5.1.27 Does the institution give thrust on students growth in terms of:

Physical development -

- Equipment maintenance is monitored by log book and some of the sensitive equipments are under AMC (annual maintenance contract)
- Full time Electrician, Gardener, sweepers are available for clean and greenery environment, separate in-charge for computers, software repairs
- Adequate lab technician and attenders available for the maintenance of laboratory
- Exclusive library staff is available for library timing beyond college hours
- Separate Boys and Girls hostels are available in own buildings

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- Adequate and comfort transportation is provided for both staff and students
- Canteen is available both in institution and hostels
- Sports ground is available for Volley ball, Shuttle, Tennikoit, Cricket, Kho-Kho
- Sport Room is available for Carrom, Chess, Table tennis

Emotional control -

- Students are counselled by teachers in the mentor meetings
- Skill based and motivational talks are organized

Social / public development -

The institution conducts outreach programmes, regular NSS programmes, special health programmes, awareness programmes.

Kindly refer Tables: 47, 48, 49, 50, 51, 52 and 53

5.2 Students Progression

5.2.1 What is the student strength of the institution for the current academic year? Analyze the Program-wise data and provide the trends (UG to PG, PG to further studies) for the last four years.

Table. 68 Admission of Current Academic Year (2015-16)

| Programme | Strength |
|---|----------|
| B. Pharmacy I Year | 118 |
| B. Pharmacy II Year | 79 |
| B. Pharmacy III Year | 99 |
| B. Pharmacy IV Year | 58 |
| Pharm. D I Year | 30 |
| Pharm. D II Year | 30 |
| Pharm. D III Year | 30 |
| Pharm. D IV Year | 30 |
| Pharm. D V Year | 30 |
| Pharm. D VI Year | 30 |
| Pharm. D (PB) I Year | 05 |
| Pharm. D (PB) II Year | 06 |
| Pharm. D (PB) I Year | 08 |
| M. Pharmacy (Pharmaceutical Analysis & Quality Assurance) | 13 |
| M. Pharmacy (Pharmaceutics) | 07 |
| M. Pharmacy (Pharmacology) | 05 |
| M. Pharmacy (Pharmacy Practice) | 03 |

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Table. 69 Students enrollment and academic achievements of Pharm. D Programme 2013-14

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|-------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2013 - 14 | 01 | Pharm. D I Year | 30 | 29 | 19 | 09 | 01 | - | 90.62 |
| 2013 - 14 | 02 | Pharm. D II Year | 30 | 29 | 14 | 14 | 01 | - | 93.54 |
| 2013 - 14 | 03 | Pharm. D III Year | 30 | 25 | 18 | 07 | - | - | 83.33 |
| 2013 - 14 | 04 | Pharm. D IV Year | 30 | 26 | 18 | 08 | - | - | 86.66 |
| 2013 - 14 | 05 | Pharm. D V Year | 27 | 27 | 21 | 06 | - | - | 100 |
| 2013 - 14 | 06 | Pharm. D VI Year | 29 | 29 | 20 | 9 | - | - | 100 |

Table. 70 Students enrollment and academic achievements of Pharm. D Programme 2012-13

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|-------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2012 - 13 | 01 | Pharm. D I Year | 30 | 28 | 07 | 21 | - | - | 90.32 |
| 2012 - 13 | 02 | Pharm. D II Year | 30 | 25 | 07 | 17 | 01 | - | 83.33 |
| 2012 - 13 | 03 | Pharm. D III Year | 30 | 27 | 12 | 15 | - | - | 90 |
| 2012 - 13 | 04 | Pharm. D IV Year | 27 | 27 | 23 | 04 | - | - | 100 |
| 2012 - 13 | 05 | Pharm. D V Year | 29 | 29 | 19 | 10 | - | - | 100 |

Table. 71 Students enrollment and academic achievements of Pharm. D Programme 2011-12

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|-------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2011 - 12 | 01 | Pharm. D I Year | 30 | 28 | 04 | 21 | 02 | - | 93.33 |
| 2011 - 12 | 02 | Pharm. D II Year | 30 | 27 | 11 | 15 | - | - | 90 |
| 2011 - 12 | 03 | Pharm. D III Year | 27 | 27 | 08 | 19 | - | - | 100 |
| 2011 - 12 | 04 | Pharm. D IV Year | 29 | 26 | 08 | 15 | 02 | - | 89.65 |

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Table. 72 Students enrollment and academic achievements of Pharm. D Programme 2010-11

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|-------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2010 - 2011 | 01 | Pharm. D I Year | 30 | 29 | 08 | 17 | 04 | - | 96.66 |
| 2010 - 2011 | 02 | Pharm. D II Year | 27 | 27 | 09 | 18 | - | - | 100 |
| 2010 - 2011 | 03 | Pharm. D III Year | 29 | 27 | 09 | 18 | - | - | 93.10 |

Table. 73 Students enrollment and academic achievements of Pharm. D Programme 2009-10

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2009 - 10 | 01 | Pharm. D I Year | 28 | 28 | 09 | 17 | 02 | - | 100 |
| 2009 - 10 | 02 | Pharm. D II Year | 29 | 29 | 06 | 19 | 04 | - | 100 |

Table. 74 Students enrollment and academic achievements of Pharm. D Programme 2008-09

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|-----------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2008 - 2009 | 01 | Pharm. D I Year | 30 | 29 | 09 | 20 | - | - | 96.66 |

Table. 75 Students enrollment and academic achievements of Pharm. D Programme (PB) 2009-10

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|--------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2009 - 10 | 01 | Pharm. D PB I Year | 10 | 10 | 02 | 08 | - | - | 100 |

Table. 76 Students enrollment and academic achievements of Pharm. D Programme (PB) 2010-11

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|---------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2010 - 11 | 01 | Pharm. D PB I Year | 08 | 06 | 01 | 05 | - | - | 75 |
| 2010 - 11 | 02 | Pharm. D PB II Year | 10 | 10 | 02 | 08 | - | - | 100 |

Table. 77 Students enrollment and academic achievements of Pharm. D Programme (PB) 2011-12

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|---------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2011 - 12 | 01 | Pharm. D PB I Year | 10 | 10 | 05 | 05 | - | - | 100 |
| 2011 - 12 | 02 | Pharm. D PB II Year | 08 | 06 | 01 | 05 | - | - | 75 |
| 2011 - | 03 | Pharm. D | 10 | 10 | 03 | 07 | - | - | 100 |

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| | | | | | | | | | |
|----|--|----------------|--|--|--|--|--|--|--|
| 12 | | PB III Year | | | | | | | |
|----|--|----------------|--|--|--|--|--|--|--|

Table. 78 Students enrollment and academic achievements of Pharm. D Programme (PB) 2012-13

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|----------------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2012 - 13 | 01 | Pharm. D PB I Year | 06 | 06 | 01 | 05 | - | - | 100 |
| 2012 - 13 | 02 | Pharm. D PB II Year | 10 | 10 | 08 | 02 | - | - | 100 |
| 2012 - 13 | 03 | Pharm. D PB III Year | 08 | 08 | 03 | 05 | - | - | 100 |

Table. 79 Students enrollment and academic achievements of Pharm. D Programme (PB) 2013-14

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|----------------------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2013 - 2014 | 01 | Pharm. D PB I Year | 08 | 06 | 06 | - | - | - | 75 |
| 2013 - 2014 | 02 | Pharm. D PB II Year | 06 | 06 | 01 | 05 | - | - | 100 |
| 2013 - 2014 | 03 | Pharm. D PB III Year | 10 | 10 | 03 | 07 | - | - | 100 |

Table. 80 Students enrollment and academic achievements of B. Pharmacy Programme 2014-15

| Year/ Batch | S.No | Course Year & Semester | Students appeared | Student passed | Distinction | First Class | Second Class | Pass Class | % of pass |
|-------------|------|------------------------------|----------------------|-------------------|-------------|----------------|-----------------|---------------|--------------|
| 2014 - 15 | 01 | B.Pharm II - I | 102 | 52 | 31 | 14 | 05 | 02 | 51 |
| 2014 - 15 | 02 | B.Pharm III - I | 61 | 43 | 23 | 15 | 05 | 00 | 70.49 |
| 2014 - 15 | 03 | B.Pharm IV - I | 89 | 69 | 37 | 20 | 12 | 00 | 77.52 |

Table. 81 Students enrollment and academic achievements of B. Pharmacy Programme 2013-14

| Year / Batch | S.No | Course Year & Semester | Students appeared | Student passed | Distinction | First class | Second class | Pass class | % of pass |
|--------------|------|------------------------------|----------------------|-------------------|-------------|----------------|-----------------|---------------|--------------|
| 2013-14 | 01 | B.Pharm I year | 94 | 76 | 42 | 15 | 16 | 03 | 80.85 |
| 2013-14 | 02 | B.Pharm II - I | 61 | 53 | 30 | 16 | 06 | 01 | 86.89 |
| | | B.Pharm | 61 | 55 | 34 | 14 | 07 | 00 | 90.16 |

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| | | II - II | | | | | | | |
|---------|----|------------------|----|----|----|----|----|----|-------|
| 2013-14 | 03 | B.Pharm III - I | 92 | 79 | 46 | 26 | 06 | 01 | 85.86 |
| | | B.Pharm III - II | 92 | 81 | 45 | 26 | 10 | 00 | 88.04 |
| 2013-14 | 04 | B.Pharm IV - I | 72 | 67 | 40 | 18 | 09 | 00 | 93.05 |
| | | B.Pharm IV - II | 72 | 68 | 35 | 25 | 08 | 00 | 94.44 |

Table. 82 Students enrollment and academic achievements of B. Pharmacy Programme 2012-13

| Year / Batch | S.No | Course Year & Semester | Students appeared | Student passed | Distinction | First class | Second class | Pass class | % of pass |
|--------------|------|------------------------|-------------------|----------------|-------------|-------------|--------------|------------|-----------|
| 2012 - 13 | | B.Pharm I year | 64 | 56 | 27 | 15 | 13 | 01 | 87.50 |
| 2012 - 13 | | B.Pharm II - I | 95 | 79 | 42 | 20 | 15 | 02 | 83.10 |
| | | B.Pharm II - II | 65 | 78 | 45 | 24 | 08 | 01 | 82.10 |
| 2012 - 13 | | B.Pharm III - I | 79 | 67 | 38 | 16 | 13 | 00 | 84.80 |
| | | B.Pharm III - II | 78 | 68 | 43 | 18 | 07 | 00 | 87.10 |
| 2012 - 13 | | B.Pharm IV - I | 61 | 55 | 31 | 14 | 10 | 00 | 90.10 |
| | | B.Pharm IV - II | 61 | 58 | 34 | 17 | 07 | 00 | 95.08 |

Table. 83 Students enrollment and academic achievements of B. Pharmacy Programme 2011-12

| Year / Batch | S.No | Course | Students appeared | Student passed | Distinction | First class | Second class | Pass class | % of pass |
|--------------|------|------------------|-------------------|----------------|-------------|-------------|--------------|------------|-----------|
| 2011 - 12 | 01 | B.Pharm I year | 90 | 70 | 40 | 24 | 06 | 00 | 77.70 |
| 2011 - 12 | 02 | B.Pharm II - I | 80 | 69 | 39 | 23 | 06 | 01 | 86.20 |
| | | B.Pharm II - II | 80 | 66 | 36 | 15 | 13 | 02 | 82.50 |
| 2011 - 12 | 03 | B.Pharm III - I | 63 | 54 | 30 | 17 | 07 | 00 | 85.70 |
| | | B.Pharm III - II | 63 | 56 | 28 | 16 | 12 | 00 | 88.9 |
| 2011 - 12 | 04 | B.Pharm IV - I | 69 | 63 | 31 | 16 | 14 | 02 | 91.30 |

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| | | | | | | | | | |
|--|--|--------------------|----|----|----|----|----|----|-------|
| | | B.Pharm IV - II | 69 | 65 | 38 | 18 | 09 | 00 | 94.20 |
|--|--|--------------------|----|----|----|----|----|----|-------|

Table. 84 Students enrollment and academic achievements of B. Pharmacy Programme 2010-11

| Year/ Batch | S.No | Course Year & Semester | Students appeared | Student passed | Distinction | First class | Second class | Pass class | % of pass |
|----------------|------|------------------------------|----------------------|-------------------|-------------|----------------|-----------------|---------------|--------------|
| 2010 - 11 | 01 | B.Pharm I year | 72 | 61 | 36 | 15 | 06 | 03 | 84.7 |
| 2010 - 11 | 02 | B.Pharm II - I | 68 | 55 | 28 | 20 | 05 | 02 | 80.8 |
| | | B.Pharm II - II | 68 | 57 | 30 | 18 | 09 | 00 | 83.8 |
| 2010 - 11 | 03 | B.Pharm III - I | 72 | 58 | 28 | 22 | 07 | 01 | 80.5 |
| | | B.Pharm III - II | 72 | 62 | 36 | 17 | 09 | 00 | 86.11 |
| 2010 - 11 | 04 | B.Pharm IV - I | 76 | 68 | 38 | 23 | 07 | 00 | 89.4 |
| | | B.Pharm IV - II | 76 | 70 | 42 | 17 | 09 | 02 | 92.1 |

Table. 85 Students enrollment and academic achievements of M. Pharmacy (PA & QA)

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Fail | % of pass |
|-----------------|------|-------------------|----------------------|--------------------|-------------|-------|--------|------|--------------|
| 2013 - 15 | 01 | M.Pharm I-sem | 26 | 24 | 23 | 01 | 00 | 02 | 92.3 |
| | | M.Pharm II-sem | 26 | 25 | 24 | 01 | 00 | 01 | 96.1 |
| | | Project | | | | | | | 100 |
| 2012 - 14 | 02 | M.Pharm I-sem | 30 | 29 | 27 | 02 | 00 | 01 | 96.6 |
| | | M.Pharm II-sem | 30 | 29 | 26 | 03 | 00 | 01 | 96.6 |
| | | Project | | | | | | | 100 |
| 2011- 13 | 03 | M.Pharm I-sem | 18 | 18 | 11 | 07 | 00 | | 100 |
| | | M.Pharm | 18 | 10 | 10 | | 00 | 08 | 55.5 |

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| | | | | | | | | | |
|-----------|----|----------------|----|----|----|----|----|----|------|
| | | II-sem | | | | | | | |
| | | Project | | | | | | | 100 |
| 2010 - 12 | 04 | M.Pharm I-sem | 36 | 36 | 25 | 11 | 00 | | 100 |
| | | M.Pharm II-sem | 36 | 35 | 32 | 03 | 00 | 01 | 97.2 |
| | | Project | | | | | | | 94.4 |
| 2009 - 11 | 05 | M.Pharm I-sem | 19 | 18 | 15 | 02 | 00 | 01 | 94.7 |
| | | M.Pharm II-sem | 19 | 18 | 17 | 01 | 00 | 01 | 94.7 |
| | | Project | | | | | | | 94.7 |
| 2008 - 10 | 06 | M.Pharm I-sem | 10 | 10 | 09 | 01 | 00 | | 100 |
| | | M.Pharm II-sem | 10 | 09 | 06 | 03 | 01 | 01 | 90 |
| | | Project | | | | | | | 100 |

Table. 86 Students enrollment and academic achievements of M. Pharmacy (Pharmaceutics)

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2010-11 | 01 | M.Pharmacy | 18 | 18 | 17 | 1 | -- | -- | 100 |
| 2011-12 | 02 | M.Pharmacy | 37 | 37 | 25 | 12 | -- | -- | 100 |
| 2012-13 | 03 | M.Pharmacy | 40 | 40 | 27 | 13 | -- | -- | 100 |
| 2013-14 | 04 | M.Pharmacy | 09 | 09 | 6 | 3 | -- | -- | 100 |

Table. 87 Students enrollment and academic achievements of M. Pharmacy (Pharmacology)

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of pass |
|--------------|------|------------|-------------------|-----------------|-------------|-------|--------|-------|-----------|
| 2010-11 | 01 | M.Pharmacy | 18 | 18 | 8 | 10 | -- | -- | 100 |
| 2011-12 | 02 | M.Pharmacy | 18 | 18 | 6 | 12 | -- | -- | 100 |
| 2012-13 | 03 | M.Pharmacy | 12 | 12 | 04 | 08 | -- | -- | 100 |
| 2013-14 | 04 | M.Pharmacy | 07 | 07 | 02 | 05 | -- | -- | 100 |

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Table. 88 Students enrollment and academic achievements of M. Pharmacy (Pharmacy practice)

| Year / Batch | S.No | Course | Students appeared | Students passed | Distinction | First | Second | Third | % of passes |
|--------------|------|-----------------------|-------------------|-----------------|-------------|-------|--------|-------|-------------|
| 2013 - 14 | 01 | M.Pharmacy I Semester | 01 | 01 | -- | 01 | -- | -- | 100 |
| | | II Semester | | | | | | | 100 |

5.2.3 Provide category-wise details regarding the number of post graduate dissertations, Ph.D. and D.Sc. theses submitted/ accepted/ rejected in the last four years.

| Department | Number of PG dissertations | Accepted | Rejected |
|---|----------------------------|----------|----------|
| Pharmaceutics | 93 | 93 | NIL |
| Pharmacology | 34 | 34 | NIL |
| Pharmaceutical Analysis & Quality Assurance | 132 | 132 | NIL |
| Pharmacy Practice | 01 | 01 | NIL |
| Pharm. D | 60 | 60 | NIL |
| Pharm. D post bacalaureate | 36 | 36 | NIL |

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following?

- * AYUSH departments/Hospitals,
- * Multinational companies,
- * Health clubs,
- * Spas,
- * Yoga wellness canters,
- * Yoga studios,
- * Health clubs,
- * Own Yoga cubes/studios?

NOT APPLICABLE

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of students' participation.

The institution annually conducts extra-curricular activities for the student community through Fresher's celebration, annual day/college day celebration, sports day.

Kindly refer 5.1.24

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

Kindly refer 5.1.24

5.3.3 Does the institution provide incentives for students who participate in national / regional levels in sports and cultural events?

- The institution makes plans for transportation, boarding and lodging for the participating students.
- Award of medals, certificates and prize money for the winning candidates.
- Sports costumes and sports attire are provided.

Kindly refer 5.1.24 for highlights of sports activities.

5.3.4 How does the institution involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions. The institution encourages the students in publishing their studies in the official publications of the college: RIPER-PDIC Bulletin and Chemistry News Letter, monthly.

5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

The institution has a student council represented by the class representatives of each class of all programmes (UG/PG), which meets monthly once on discussion with Coordinator academic and planning and all programme in-charges, where they are directed regarding proceedings of past month.

5.3.6 Give details of various academic and administrative bodies that have student representatives in them. Also provide details of their activities.

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- Sports committee - looks after the selection of college team to represent the institution in intercollegiate sports events like cricket, foot ball and volley ball.
- Institutional Magazine committee - takes care of the printing and publishing the magazine vision and coordinating with authors contributing various articles and arrangement for advertisements.
- Anti-ragging committee - takes the overall responsibility of ensuring strict compliance of rules and regulations as per apex body norms to ensure that there are no incidents of ragging.
- Anti -ragging squad - squad visits the hostels to inspect and to ensure the strict compliance of norms and to build camaraderie between fresher's and seniors.
- Alumni association – keeps in touch with passed out students and is responsible for organizing alumni meet once a year.
- Cultural committee - responsible for organizing the Fresher's cum College day and aspiration the annual inter collegiate competitive event and the selection of the college team for participating in intercollegiate competitions and providing proper guidance.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the institution.

QUALITY POLICY

Dedicated to impart quality pharmacy education and training leading to “Degree in Pharmacy” and aims at being a global education and research institution through continual improvement and effectiveness of the quality system.

SHORT TERM GOALS

- Begin campaign plans on developing RIPER as renowned institute in the state for quality pharmaceutical education.
- Enhance and upgrade laboratory environment with the appropriate industry recommended technology.
- Establish various units to encourage education with industry orientation and research developmental activity.

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- Pursue opportunities for students by establishing various units like placement, training, industrial interaction and research cell.

LONG TERM GOALS

- Develop RIPER as centre of excellence for pharmacy in the country.
- Pursue industry, research institution collaboration across the globe with adequate contribution to down trodden community.
- Enhance to pursue research grants and number of intellectual property in pharmaceutical and socioeconomic health Research.

VISION

- To create professionally competent and socially sensitive pharmacists, capable of working in multifaceted environment with newer evolving technology.

MISSION

- To enable our students to develop into outstanding professionals and aware of the immense responsibilities to make the world better in the field of pharmacy.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

The vision and Mission statements are defined by a collaborative process. It is a shared vision defined and started with four pharmacy professionals, who are founders of this institution. The shared vision effort started with personal vision, because it makes institution becomes a tool for people's self-realization, rather than a machine they are subjected to in the following:

- Treated all the stakeholders as equal.
- Involved every department in the institution. Avoided 'Sampling'
- Encouraged Independence and diversity
- Sought alignment, not agreement.
- Considered some people speaks only for themselves
- Expected and nurture reverence for each other
- Considered using an 'Interim Vision' to build momentum

Some of the lead questions used in the creation of the Vision and Mission statements are:

- What are the critical elements in our system?
- Who are the current stakeholders today - inside and outside / Global?

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- What are the most influential trends in our institution?
- What aspects of our institution empower people?
- How is the strategic plan currently used?
- What major losses do we fear?
- What do we know that we need to know?
- Who are the stake holders of the institution?

The institution's distinctive characteristics in terms of addressing the needs of the society are reflected in the vision, mission and quality policy where- in importance is given not only to the development of skills but also to the ethical values.

6.1.3 How is the leadership involved in developing E-Governance strategies for the institution?

The administration of institution constitutes two committees: Executive committee and Governing body, whose important role is approval of budget, developmental activities proposed by the principal, decision on new courses, decision on policies, making resolution and forwarding recommendation regarding: new facility / faculty, new / expansion of courses, proposal on developmental activities, constitution of various committee, recruitment , and purchase proposal, which defines and fosters Mission and Vision of the Institution and Department.

| | |
|---------------------|--|
| Executive Committee | President Secretary Correspondent Members |
| Governing Body | Chairman Member secretary Society nominated member Society nominated member University Nominee Ex-officio from AICTE Ex officio from Director of technical Education Senior faculty members |

6.1.4 Were any of the top leadership positions of the institution vacant for more than a year?

If so, state the reasons - NO

6.1.5 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly? – YES.

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6.1.6 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

YES.

In the institution all faculties are placed in various administrative committees, who works collectively and as a team, for an imperative and integrated development output in terms of budget and revenue generation, curriculum, disciplinary activities, programme outcomes, programme educational objectives, research activities, extra-curricular, co-curricular activities.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges / constituent units and the support and encouragement given to them to become autonomous.

Dr. Y. Padmanabha Reddy. M. Pharm. PhD. FIC, Professor and Principal of Raghavendra Institute of Pharmaceutical Education and Research – RIPER, member of Board of Studies (BOS) in the affiliating university Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh.

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

NO

6.1.9 How does the institution groom leadership at various levels? Give details.

There is an in-house institutional arrangement for grooming leadership at various levels.

Dr. K. Ramakrishna Reddy, Professor and Coordinator Academic and Planning organize regular workshops for leadership development at various levels for all staff members.

6.1.10 Has the institution evolved a knowledge management strategy which encompasses the following aspects such as access to

Information Technology,

National Knowledge Network (NKN),

Data Bank,

Other open access resources along with effective intranet facilities with unrestricted access to learners.

YES, the institution provides individual computers with internet facilities and provision for scanning and printing. The Wi-fi net work allows free access to all resources available on the internet without any restriction whatsoever to all the departments and faculties.

6.1.11 How are the following values reflected in the functioning of the institution? Contributing to National development, Fostering global competencies among students, inculcating a sound value system among students, Promoting use of technology, Quest for excellence, the strength of the nation is built in its classroom.

All the above mentioned values are reflected clearly in our quality policy, vision and mission which are attained by define the short term goal and long term goals, to ensure quality education with globalized practice.

6.1.12 Has the institution been indicted / given any adverse reports by National Regulatory bodies? If so, provide details.

NO

6.1.13 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc.?

The institution has on now, have well planned budgetary proposal for each financial year which satisfies all the requirements of teaching, health care services, research, faculty development..

6.2 Strategy Development and Deployment

6.2.1 Does the institution have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

Vision and mission

YES, the institution has a perspective plan for development which is reflected in its Vision and Mission and Quality Policy.

Teaching and learning

The institution has a very well defined and structured teaching-learning process which gets the defined program outcome and also instils evidence based learning and problem based learning techniques.

Research and development

The institution has affiliating university recognized research centre – Centre for pharmaceutical research, encompassing of R and D cell and Research Review Committee and Institutional review board for the constant updating of knowledge through journal club meetings and research review meetings.

Community engagement / outreach activities

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The institution has affiliating university approved and recognized two units of National Service Scheme (NSS), and Indian Pharmaceutical Association (IPA) Anantapuramu branch through which all types of regular camps, special programme, outreach programmes, health camps, blood donation camp, health awareness programme working as a team with healthcare professionals of RDT Hospitals, Bathalapalli, Anantapuramu, Andhra Pradesh.

Human resource planning and development

Human resource planning and development is organised through constant encouragement and help to the teaching staff to achieve more interims of their knowledge and engagement in research publications.

Industry interaction

The institution has regular Industry interaction which enhanced now reached a stage where in our qualified graduates and post graduates are being preferentially employed

Internationalization

The institution is constantly motivated to get international focus in terms of collaborations and research publications.

Organizing of international conferences/workshops.

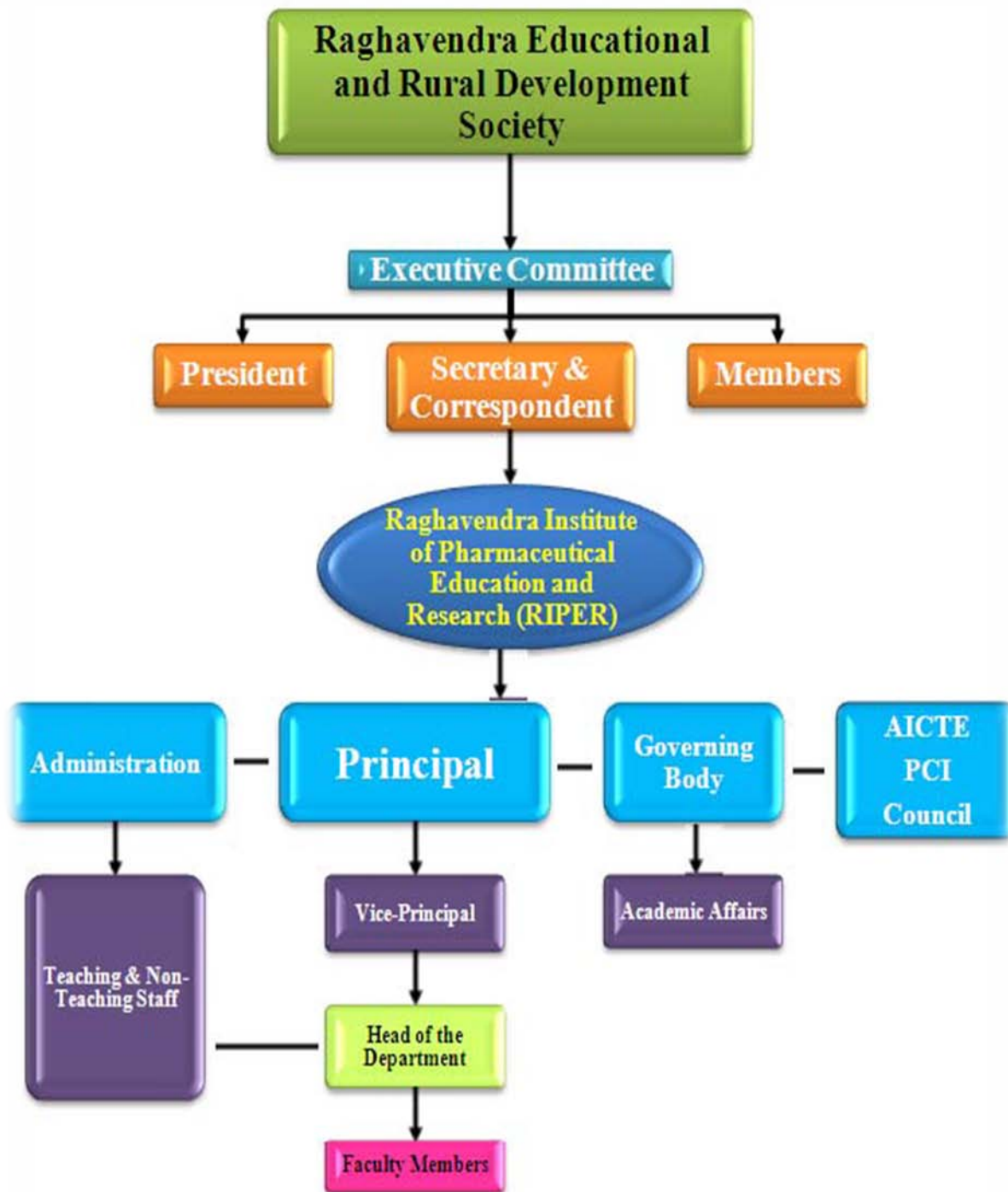
The institution has collaboration with International Society for Pharmacoeconomics and Outcomes Research (ISPOR) and Royal Society of Chemistry - London, Deccan Section.

The institution has organized 3 international conferences till date. of its publications in reputed journals and presentations in international conferences, including organising international conferences.

6.2.2 Describe the institution's internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness. Is there a system for auditing health care quality and patient safety? If yes, describe. How often are these review meetings held with the administrative staff?

YES, the institution has regular meetings with the collaborated Spain based healthcare settings RDT Hospitals, Bathalapalli a secondary care referral hospital. The meetings are once a year, where discussion on patient centred pharmaceutical care services, pharmacoeconomics, epidemiology and pharmacoepidemiology, pharmacovigilance will be made for the benefit of community and public healthcare.

Organizational Setup



6.2.3 Does the institution conduct regular meetings of its various Authorities and Statutory bodies? Provide details.

YES.

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The institution regularly conducts:

- Governing Body council meets.
- Executive committee meets
- College Academic committee meets
- Disciplinary committee meets
- Stake holders meet
- Parents meet
- Students meet
- Anti-ragging committee meets
- Institutional review board meet
- Research review committee meet
- Purchase committee meet
- Grievance cell meet
- Foreign students meet
- Staff meeting
- HOD meeting
- Feedback meeting on all surveys

All the meetings are conducted in presence of Head of institute and Coordinator Academic and Planning.

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

The vision, Mission and Quality policy statements are defined by a collaborative process. It is a shared image defined and started with four pharmacy professionals, who are founders of this institution. The shared vision effort started with personal vision, because it makes institution becomes a tool for people's self-realization.

The institution for a quality academic profile has well qualified teachers and subject experts who systematically designs the teaching-learning process, by making academic planner, lesson plan, mode of teaching, examination reforms etc. Which are directed from coordinator academic and planning to department heads to the department faculties'.

MODEL COURSE FILE

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Raghavendra
 Institute of Pharmaceutical education and Research (RIPER)
 (Affiliated to JNTUA and Recognized by UGC under 12B and 2F of UGC act 1956)

Course File Check List

| | |
|-------------------------------------|--|
| Course name and code | |
| Credits (T +P) | |
| Year / semester | |
| Academic year | |
| Course Instructor and Qualification | |
| Contact Numbers | |

| S.No | Description | Y / N / Not applicable |
|------|--|------------------------|
| 1 | Course structure & syllabus | Yes |
| 2 | Matrix of PO and PEO | Yes |
| 3 | Matrix of CO and PO | Yes |
| 4 | Academic calendar | Yes |
| 5 | Time table | Yes |
| 6 | Lesson plan | Yes |
| 7 | Time table for examinations | Yes |
| 8 | Assessment tools | |
| | • Attendance (%) | Yes |
| | • Marks statements (all assessment report) | Yes |
| 11 | Tutorial Topics / Seminar topics / assignment | Yes |
| 12 | Beyond the syllabus / GPAT MCQ (if) | Yes |
| 13 | End exam results | Yes |
| 14 | Result Analysis | Yes |
| 15 | Instructor Comprehensive review and suggestions for continuous improvement | Yes |

Course file prepared by

Verified by

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6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

The institution stands tall by catering all requirements of staffs and students in a diverse way which gives academic departments to function independently and autonomously.

6.2.6 During the last four years, have there been any instances of court cases filed by and / or against the institution? What were the critical issues and verdicts of the courts on these issues?
NO

6.2.7 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

The institution has a grievance cell/Discipline committee comprising of head of institute and senior faculty members whose responsibility is responding, verifying and design of action plan to rectify the issues and coordination of discipline in campus.

6.2.8 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

YES.

The institution has a feedback mechanism designed for assessing the student feedback on institutional performance and teaching-learning process handled by faculty.

1. Feedback collected for all courses

Yes

2. Specify the feedback collection process

- Feedback from all the students at the end of semester and Exam on each every course and the particular subject E-mail feed backs
- Formal written feed backs

3. Percentage of students participating 80

4. Specify the feedback analysis process

- Feed back is analyzed by the principal, Program coordinator examination in-charge
- Basis of reward / corrective measures, if any
- Change of Faculty for the Course
- Conduct of additional course towards GPAT
- Facility Expansion like Library and Sports

5. Corrective measure through mentor system

- Number of corrective actions taken in the last three years 15

6.2.9 Does the institution conduct performance audit of the various departments?

YES. The institution regularly conducts internal institutional audits headed by Coordinator academic and planning and heads of all departments, on the following:

Academic performance

Attendance of students

Evaluation report of each midterm performances of students

Laboratories and equipments

Validation of equipments

Log books

Placements

Infrastructure

6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated / constituent institutions?

Not Applicable

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings and consultation charges available on the website?

YES.

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

- Evaluation report of academic year through institutional internal audits.
- Evaluation report of each department submitted by the head.
- Annual survey reports.
- Reports of student feedback analysis
- Report on action plan

6.3 Faculty Empowerment Strategy

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of Continuing Professional Development Programs in enhancing the competencies of the university faculty?

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The institution offers faculties to undergo a regular Faculty Development Programme, training modules for which the administration allocates funds.

The non-teaching faculties are trained on handling laboratories by workshops and training class conducted by departmental heads.

The institution also recommends faculty to attend national and international conferences and makes overseas participation and presentation.

The institution also conducts regular conferences/workshops/seminars/symposium for research initiative and innovative teaching-learning process.

The institution also encourages faculties in research publications.

6.3.2 What is the outcome of the review of various appraisal methods used by the institution?

List the important decisions.

- The student feedback with respect to teachers resulted in withholding increments.
- Teachers with poor grades were instructed to improve their performances.
- Based on the skills of non-teaching staff, inter departmental transfers were made.
- The departmental audits helped in improving the number of publications and better relationship with alumni.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

The leave policies and promotion policies of the institution are of more favour and in same time as per norms of affiliating university and the recommendations of statutory bodies.

Institution provides casual leaves, earned leaves, mid-term and annual, vacations, provident fund, gratuity and leave encashment and these benefit are extended given to all the staff members.

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

Partial or full financial assistance for attending conferences, workshops and seminars

Additional increments are given.

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient findings.

YES, the salient finding is 60% of the gender pursuing pharmacy education at various levels (UG/PG) is found to be girls.

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

YES.

6.3.7 How does the institution train its support staff in better communication skills with patients?

Patient counseling mock classes and communication skills mock classes, which gives better orientation towards patients.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments?

YES

6.3.9 Do faculty members mentor junior faculty and students?

YES

6.3.10 Does the institution offer incentives for faculty empowerment?

YES.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

- All the departments are required to submit their budget proposals on annual basis for prior sanction.
- All the payments are made through institutional/management account after due processing and approval by the accounts department.
- The accounts are audited annually.

6.4.2 Does the institution have a mechanism for internal and external audit? Give details.

YES, the internal audit is done by the society office, where-in regular checks are made with regard to all payments including disbursement of scholarship, salaries paid and received as well as monitoring the expenses with regard to consumables and purchase of equipments. External audit is a part of regular maintenance of accounts. The audited statement of accounts is submitted to apex bodies.

6.4.3 Are the institution's accounts audited regularly? Have there been any audit objections, if so, how were they addressed?

YES. The institution's accounts are audited regularly, up to know there been no audit objections.

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6.4.5 Narrate the efforts taken by the institution for resource mobilization.

The institution being very well established, in times of financial inadequacies, the management has been supporting the institution.

6.4.6 Is there any provision for the institution to create a corpus fund? If yes, give details.

YES, all the financial matters are taken care of by the management.

6.4.7 What are the free / subsidized services provided to the patients in the hospital?

Not Applicable

6.4.8 Does the institutions receive fund from philanthropic organizations / individuals towards patient care? If yes, give details.

Not Applicable

6.4.9 Do patients from other states / abroad come for treatment, reflecting the unique quality health care provided by the institution?

YES

6.5 Internal Quality Assurance System

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.

YES.

The reports of regular academic and administrative audits are made as presentation and discussions are made during the Society members meeting and also in presence of members of governing council.

6.5.9 Has the institution or hospital been accredited by any other national / international body?

YES, the institution is accredited by **National Board of Accreditation (NBA)** for UG course and the institution is **conferred with autonomous status by University Grants Commission (UGC)** for a period of six years from the next academic year.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the institution conduct a Green Audit of its campus?

- The institution is located at 11 Km Stone from Anantapur on Chennai high - way and is very nearer to Sri Krishnadevaraya University. The campus extends to 12 acres and is well connected by road, rail from Bangalore, Chennai & Hyderabad.
- College is functioning in its own building and located in 12 acre Pollution and Noise free green campus.

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- Importance is given to maintain greenery on the campus.
- Herbal garden having important medicinal plants is being maintained.
- All the old big trees on the campus are being spruced regularly.
- Gardeners are appointed for the care and upkeep of greenery on the campus.
- In and around the campus the area is being maintained as plastic free zone, and No Smoking area.

7.1.2 What are the initiatives taken by the institution to make the campus eco-friendly?

- Energy conservation
- The process of installing LED and CFL bulbs is being taken up.
- Awareness is created to save energy.
- Centralized tanks are put up to reduce the water wastage.
- Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation/exhausts in auditoriums and large classrooms/laboratories, fire-fighting equipment and training, availability of water, and such other facilities.
- Institute has obtained no objection certificate from Government of Andhrapradesh and Fire services department for occupancy, based on the following: Fire safety measures, Open space Building particulars and Floor and means of Escape.
- Campus has 125 KVA generators
- Standard electrical fittings are used to save power.
- Water harvesting
- Plantation - Botanical or Medicinal significance
- Awareness talks are organized for students and staff by inviting resource person.
- Bio-hazardous waste management
- Herbal Garden.

7.1.3 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

- Water purification through water filters
- Chlorination is done in the tank at regular intervals.
- Infection control and radiation safety measures are made by the collaborated healthcare setting RDT hospitals, Bathalapalli, Anantapuramu, Andhra Pradesh through Infection Control Committee.

7.1.4 Has the institution been audited / accredited by any other agency such as NABL, NABH, etc.?

YES, the institution is audited by NBA and UGC, and currently the institution is recognized and accredited by National Board of Accreditation (NBA) for UG programme and University Grants Commission (UGC) has conferred the status of autonomous for six years w.e.f 2017 - 18 academic years.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution.

Website of the institution with up to date developments

- Writing articles about pharmacy education and the institution to create awareness among public.
- Addressing students of higher secondary schooling education to bring awareness about pharmacy education and its career perspective.
- Orientation programmes for newly admitted students
- Constitution of various administrative committees and academic committees.
- Introduction new system of teaching-learning process through academic planner and academic lesson plan.
- Regularly organization of conferences/workshops/seminars/symposium
- Conducting health camps, awareness programmes, blood donation camps through NSS units I and II.
- Anti-ragging committee
- Student Mentorship Programme
- Student counseling
- Women empowerment committee
- Following attendance on computerized databases and on regular intimation to parents.
- Alumni meetings
- Organizing cultural meets, annual day celebrations, fresher's day celebration.
- Guest lectures by visiting faculty
- Regularly publication of college magazine, RIPER-PDIC bulletin, Chemistry News Letters.

- Conduct of industry academy interaction for curriculum up gradation.
- Distinction awards, scholarships and gold medal.
- Infrastructure management
- Improving instrumentation and laboratory facilities
- Biometric for students and faculty.

7.3 Best Practices

7.3.1 Give details of any two best practices that have contributed to better academic and administrative functioning of the institution.

- Student Mentorship Programme (SMP)
- Exclusive GPAT training classes
- Evidenced based teaching-learning process

This resulted in good Academic Results, All India GPAT examinations results, Higher Studies admissions, Alumni interaction and their support in Industrial visit and training, Resource persons, Gold Medals, admissions, good communication and personality development, and PG admissions.

EVALUATIVE REPORT OF THE DEPARTMENTS

Evaluation Report of Department of Pharmaceutical Analysis and Quality Assurance

(P.A & Q.A)

1. Name of the Department: Pharmaceutical Analysis and Quality Assurance.
2. Year of Establishment:

| | |
|--|------|
| B. Pharmacy | 2002 |
| M. Pharmacy | |
| Pharmaceutical Analysis and Quality Assurance | 2008 |
| Pharmaceutics | 2009 |
| Pharmacology | 2009 |
| Pharmacy Practice | 2013 |
| Pharm. D (Doctor of Pharmacy) | 2008 |
| Pharm. D (Doctor of Pharmacy – Post Baccalaureate) | 2009 |
| Doctorate in Philosophy (PhD) | 2013 |
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

| | |
|------|---|
| UG | B. Pharmacy |
| PG | M. Pharm in Pharmaceutical Analysis and Quality Assurance |
| | M. Pharm in Pharmaceutics |
| | M. Pharm in Pharmacology |
| | M. Pharm in Pharmacy Practice |
| | Pharm. D |
| | Pharm. D (post baccalaureate) |
| Ph.D | Ph.D in Pharmaceutical Sciences |
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise)

| | |
|-------------|---------------|
| B. Pharmacy | Semester wise |
| M. Pharmacy | Semester wise |
| Pharm. D | Annual |

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Pharm. D (PB) Annual

Ph.D Annual

6. Participation of the department in the courses offered by other departments

M. Pharm. Pharmacology

M. Pharm. Pharmaceutics

M. Pharm. Pharmaceutical Chemistry

M. Pharm. Pharmacy Practice

B. Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | -- | 2 |
| Associate Professors | -- | 1 |
| Asst. Professors | -- | 3 |

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-------------------------|----------------------|---------------------------------|-------------------------|----------------------------|---|
| Dr. Y. Padmanabha Reddy | M. Pharm., PhD.FIC | Head and Principal | Pharmaceutical Analysis | 30 | 15 |
| Dr. P. Ramalingam | M. Pharm., PhD | Professor and Research Director | Pharmaceutical Analysis | 14 | 02 |
| Mr. K. Vinod Kumar | M. Pharm., (Ph.D) | Associate Professor | Pharmaceutical Analysis | 08 | -- |
| Mrs. K.V.Lalitha | M. S. Pharm., (Ph.D) | Assistant Professor | Pharmaceutical Analysis | 04 | -- |
| Mr. B Amarnatha Reddy | M. Pharm | Assistant Professor | Pharmaceutical Analysis | 02 | -- |
| Mr. P Harsha Teja | M. Pharm | Assistant Professor | Pharmaceutical Analysis | 02 | -- |

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11. List of Senior Visiting Faculty

- i. Mr. M. VenkataRao Associate Professor, Tirupathi
- ii. Mr. Prasanna Kumar, Reliance Pharmaceuticals
- iii. Mr. Hari Hara Teja, Drug Inspector, Ananthapuramu
- iv. Dr. Gopal Rao, Vice Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, Tamil Nadu
- v. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- vi. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- vii. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- viii. Devandra.S.Yadav, Dr. Reddys Laboratories, Hyderabad
- ix. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd
- x. Mr. Chandra Shekar, Corporate Trainer, Bangalore
- xi. Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P
- xii. Dr. Sateesh. Rph USA, Dean & Associate Professor, Vignan College of Pharmacy
- xiii. Dr. H. Abdul Ahad, Professor and Principal, Balaji College of Pharmacy, Anantapuramu

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: -Not Applicable-

13. Student -Teacher Ratio (programme wise)

B. Pharmacy - 15:1

M. Pharmacy - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled
Totally 4 for both B. Pharmacy and M. Pharmacy

15. Qualifications of teaching faculty with D.Sc/ D.Lit/ Ph.D/ MPhil / PG

PhD qualified Faculty: 02

PG qualified Faculty: 04

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

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Project Title: Development of Natural and Semi-synthetic molecule and their formulation in Tuberculosis (Funded by AICTE, Govt. of India, (Under Research Promotion Scheme 2012-2014) - 10.65 Lakhs.

Project Title: Development of HPLC method development for Drug (Confidential) for quantification in Disso sample, dosage form and Characterization of related substances sanctioned by RACHEM Pvt. Ltd, Hyderabad, India.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: YES, First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences .

19. Research Publications

Dr. Y. Padmanabha Reddy

- i. Visible spectrophotometric determination of Ceftriaxone - Asian Journal of Chemistry, 13, p.1643, 2001.
- ii. New spectrophotometric methods for the determination of Silymarin - Acta Ciencia Indica, 27, p.83, 2001.
- iii. Spectrophotometric determination of Cefuroxime sodium in pharmaceutical dosage forms Antiseptic, 99, 88, 2002.
- iv. Spectrophotometric determination of Silymarin - Asian Journal of Chemistry, 13, p, 1234, 2001.
- v. Assay of Venlafaxine hydrochloride in bulk samples and pharmaceutical formulations by Extractive Spechtrophotometry-International journal of Chemical Sciences 4 (1), p, 151-156,200.
- vi. Extractive Spectrophotometric methods for determination of Clarithromycin Acta Cienca Indica, 2002, 28(c), 41-44.

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- vii. Visible Spectrophotometric determination of Cefuroxime Sodium Asian Journal of Chemistry, Vol.13.No.4 (2001), 1643-1645.
- viii. Qualitative determination of Thalidomide using RP-HPLC Int.Journal of Chemical Sciences, 5 (2), 2007, 743-748.
- ix. Qualitative determination of Nevirapine in Pharmaceutical dosage forms by RP-HPLC Int.Journal of chemical sciences, 6(1), 2008, 417-421.
- x. Antimicrobial activity of seeds of Abrus Precatorius Linn, Asian Journal of chemistry, Vol.21, No.2 (2009), 1630-1632.
- xi. Spectrophotometric Estimation of Ofloxacin in Pure and Pharmaceutical Dosage Forms, Asian Journal of chemistry, Vol21, No.3 (2009), 2473-2475.
- xii. Evaluation of Anti-Inflammatory activity of Acalypha Indica-The Indian Pharmacist-VVol.VII, No75, 89-91.
- xiii. Permeation studies of Glipizide from Ficus Caria fruit mucilage matrices for transdermal delivery, Biomed-4(1) Jan-Mar 2009, pp 70-75.
- xiv. Fabrication and evaluation of Aloe barbadensis Miller mucilage based sustained release matrix Tablets of Glipizide-Biomed-4(2) April-June 2009, pp 192-197.
- xv. Fabrication and evaluation of Aloe barbadensis Miller mucilage based sustained release matrix Tablets of Glimerpide-Asian Journal of Chemistry, Vol.21. No.8 (2009), 6271-6276.
- xvi. Synthesis and Antimicrobial Evaluation of Glimerpide in bulk and pharmaceutical Formulations-International journal OF Chemical Sciences,7(3), 2009,1624-1628.
- xvii. Preliminary phytochemical investigation and cytotoxicity studies on the roots of Coccina grandis Linn. - Paper presented during 61st IPC, Ahmedabad.
- xviii. Spectrophotometric method for the Evaluation of Glimerpide in bulk and pharmaceutical Formulations-International journal of Chemical Sciences, 7(3),2009,1624-1628.

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- xix. Synthesis and antimicrobial evaluation of Dibenzo (B,E) azepin-5,10-(1H) Diones/10-substituted dibenzo (B,E) azepines - Paper presented during 61st IPC, Ahmedabad.
- xx. Review: Polymers in colon drug targeting-Indian Drugs, 47(3), March 2010, 5-13.
- xxi. Effect of *Leucas aspera* on Lead acetate Induced Nephrotoxicity in Rats, Asian Journal of Chemistry, vol22, No.3 (2010), 2450-2452.
- xxii. In Vitro Protein Binding Study of Ciprofloxacin by New UV-Spectrophotometric Method - International Journal of Pharm Tech Research, vol.2,No.2,pp 1150-1154.
- xxiii. Development of Matrix Coated units for pH-independent release of a weakly basic drug. International Journal of Pharm Sci Review and Research, Vol3, Issue2, July-Aug; Article: 027.
- xxiv. Simple UV-Spectrophotometric methods for the estimation of Ofloxacin in Pharmaceutical Formulations, International Journal of Chem.Sciences:8(2), 2010.983-990.
- xxv. Drug Use Evaluation of Broad Spectrum Penicillins-paper presented at International Patient Safety Conferences, AIIMS, New Delhi during 1st-3rd October, 2010.
- xxvi. Comprehensive Evaluation of Pharmacy Health Care Providers in Sub-Urban areas of southern Andhra Pradesh - paper presented at International Patient Safety Conferences, AIIMS, New Delhi.
- xxvii. Epidemiology of Occupational Influenza in Hospitals - The Indian Pharmacist, Dec, 2010.
- xxviii. Homology Modeling and Molecular Docking Studies of Human DPP8 and DPP9, International Journal of Pharma Research & Development: VOV-2/Issue-12/Feb/015, 2011.

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

- xxix. Development and Validation of Spectrophotometric method for the estimation of Venlafaxine in Bulk and Formulations, International Journal of Chem.Sciences:9(1), 2011, 52-58.
- xxx. Evaluation of Barriers in Condom Use-A cross Sectional Survey - International journal of Research in Pharmaceutical and Biomedical sciences: vol2 (2) Apr-Jun 2011.
- xxxi. A study on Antiepileptic activity of Eugenol excluded aqueous extract of Eugenia Caryaphyllus- Journal of Advances in Drug Research, vol 1, Issue II, June-2011.
- xxxii. Molecular Modeling Studies of Beta-aminoacyl containing Homopiperazine derivative as DPP4 inhibitors - International Journal of Drug Design and Discovery, Vol.2, Issue 3, July-Sep'11,533-547.
- xxxiii. Good Labeling Practices for Prescription Medicines in India - Indian Journal of Hospital Pharmacy, 48(2011).
- xxxiv. Stability indicating assay method for determination of Tenofovir in Bulk and Pharmaceutical Dosage forms - Journal of Pharmaceutical and Biomedical Sciences, Vol.08, Issue08.
- xxxv. In Vitro comparative study of Anthelmintic activity of Brassica juncea and Brassica oleracea, Journal of Pharmaceutical Research, Vol.4, Issue.9, September-2011.
- xxxvi. In Vitro Anthelmintic activity of heum Palmatum and Tribulus Terrestris - International Journal of Advances in Pharmaceutical Research, Vol.4,Issue.9,September-2011.
- xxxvii. Evaluation of immunomodulatory activity of petroleum ether extract of seeds of Celastrus paniculatus - Scholars Research Library, Dee Pharmacia Lettre, 2011:3(5)87-93.

Dr. Ramalingam Peraman

- i. Ramalingam Peraman, et al (2013). Stability-Indicating RP-HPLC Method for Simultaneous Determination of Metformin Hydrochloride and Sitagliptin Phosphate in Dosage Forms, *Chromatographia*, 76, 17-18, 2013 p.1153-68.
- ii. Ramalingam Peraman, et al (2013). Development and Validation of Stability-Indicating Assay of Etofenamate by RP-HPLC and Characterization of Degradation Products *Scientia Pharmaceutica (The Australian Pharmaceutical sciences)* ; in press. doi:10.3797/scipharm.1305-19.
- iii. P. Ramalingam, DHH Teja et al. (2013). Stability indicating RP-HPLC method for quantitative analysis of Peridopril Erbumine in tablet dosage form. *Journal of chromatographic sciences* (impact factor : 0.8), May 19, 1-6, <http://www.ncbi.nlm.nih.gov/pubmed/>.
- iv. P. Ramalingam et al. (2013) Synthesis, characterization, antidiabetic activity and Docking Analysis of New Quinoxaline mannich bases containing Pioglitazone, Glimepiride and thiosemicarbazide moieties. *Inventi: Med. Chem., vol-2* 1-6.
- v. Ramalingam. et al (2013) RP-HPLC method development and validation for the quantification of Pioglitazone in cleaning validation. *Inventi ; Pharm Anal. Quality Assurance. vol. 2, 1-4* (CAS, Index Copernicus, Scopus indexed)
- vi. P. Muthukumar and P. Ramalingam et al (2011) Antiinflammatory and antimicrobial activities of the extract of *Eclipta alba* laves. *European journal of Experimental Biology*, 1(2), 172-177.
- vii. P. Ramalingam et al. (2010) 3D-QSAR Studies of Some Synthesized Quinoxaline Derivatives as Growth inhibitor against *Mycobacterium tuberculosis* H37RV, *Indian journal of Pharmaceutical Sciences*, 71(2), p207
- viii. P. Ramalingam et al. (2010) In vitro antitubercular and antimicrobial activity of 1- substituted quinoxaline-2, 3(1H, 4H)-diones. *Bioorganic & Medicinal chemistry letters*, 20, 406-408.

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

- ix. Balasekhara Reddy, P.Ramalingam et al.(2010), Silidenafil and N-desmethyl sildenafil quantification in human plasma by HPLC coupled with ESI - MS/MS detection: Application to bioequivalence study, *Anal. Methods*, 2, 1043-1050.
- x. P. Ramalingam et al. A stability indicating HPLC method with Diode array Detection for the determination of Atorvastatin Calcium and Fenofibrate in Commercial Tablets, *Journal of Pharmacy research*, 2011, 4(9), 3033-3036.
- xi. Bahlul Z Awen¹, Ramalingam, P et al, (2010) Improvement of dissolution rate and bioavailability of piroxicam with *Sapindus mukorossi*, *Journal of Pharmacology and Toxicology*, 3, 2010, 716 .
- xii. P.Ramalingam, et al (2008) SAR Study: Impact of Hydrazides, Hydrazones and Sulfonamido Side chain on invitro antimicrobial and antitubercular activity of Quinoxalines, *International Journal of Pharmacology and Biological Sciences.*, vol.2 (2) 13-18.
- xiii. Ramalingam, et al. Ch (2007). Antibacterial, Antifungal and antitubercular Screening of some Novel condensed Bridgehead Nitrogen heterocycles of Quinoxallines., *Indian Journal of Heterocyclic Chemistry*, vol.16, Jan - March . 283 - 286.
- xiv. Ramalingam P et al. (2006). Synthesis of some new coumarino [4,3-b]pyrido [6,5-c] cinnolines as potent antitubercular agents, *Indian journal of Heterocyclic chemistry*, vol.15, April - June, P.no . 359 - 362.
- xv. Ramalingam,P et al (2006). Antimicrobial and antitubercular activity of some Bis- hydrazine Quinoxallines and its triazoles, *Journal of Pharmaceutical Research*, 6, 10-12.
- xvi. T.E.G.K Murthy, P. Ramalingam, et al. (2006). Comparative Study on oral and Transdermal Administration of diltiazem Hydrochloride in Rabbits., *The Pharma Review.*, Aug' - 149-151.
- xvii. P.Ramalingam et al. (2008). Anti microbial and Anti Mycobacterial activity of Some Quinoxalines 'N'Bridgehead Heterocycles., *Asian Journal of Chemistry* , Vol.20,No.5(2008), 3353-3356.

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

- xviii. P.Ramalingam et al. (2008), Synthesis of some 'N' Bridgehead Heterocycles containing Quinoxaline and 1,2,4-triazole and their Antifungal and Antitubercular activity. Asian Journal of Chemistry Vol.20,No.5 ,4132-4134.
- xix. Ramalingam.P et al (2008). A facile synthesis on triazolo[4,3-a]quinoxalines using acidhydrazides and their antimicrobial and antitubercular activity. Acta ciencia indica XXXIV C, No.4, 609.
- xx. P. Ramalingam et al (2007). Michael addition to Nalidixic acid and its Anti Tubercular activity., Asian Journal of Chemistry Vol.20,No.5, 4135-4137.
- xxi. Ramalingam,P., et al (2005) ,Chemimanipulation approach at Pharmacophore of Nalidixic acid by Michael addition, Acta ciencia indica (International Journal of Physical Sciences). XXXI C, No.3, 129.
- xxii. Ramalingam,P et al (2006). Impact of 4-Thiazolidinones and 2-Azetidinones on Antimicrobial spectrum of Nalidixic acid., Acta ciencia indica . XXXII C, No.4, 433.
- xxiii. Ramalingam,P et al (2006). A Molecular manipulation approach at Pharmacophore of Nalidixic acid., Acta ciencia indica (International Journal of Physical Sciences). XXXII C, No.4, 335.
- xxiv. Babu Rao,Ch., Ganpaty.S., Ramalingam,P et al (2006).Synthesis and Anti Microbial evaluation of Some Schiff bases of 4-Oxo-Quinolono(2,3-c) Pyridines., Acta ciencia indica XXXII C, No.4, 363.

Mr. Vinod Kumar

- i. K.Vinod Kumar, J.Dharuman¹ and A. Karuna sree, RP-HPLC method development and validation for simultaneous Estimation of Sulbactam and Cefoperazone in dosage form and In plasma, International Journal of Pharma and Bio Sciences, 1(4), 2010, 87-92.
- ii. Vinod Kumar K, Sudhakar M, Padmanabha Reddy Y, Swapna A, Rajani Sekhar V. Method development and validation for simultaneous estimation of Pioglitazone and Glimepiride in tablet dosage form by RP-HPLC and UV-Spectrophotometric method. Current Pharma Research, 2(1), 2011, 404-410
- iii. P. Bhargavi*, B. Chandana, M. Lohita, P. Ramalingam, D. H H Theja, K. Vinod kumar, Visible Spectrophotometric Method for the estimation of Amlodipine Besylate in tablet dosage forms, Journal of Pharmacy Research,4(11), 2011.4001-4002
- iv. Y. Swetha, P. Malleshwari , Y. Jyotsna, Dr.P.Ramalingam, D.Hari Hara Theja, K.Vinod kumar. New UV-Spectrophotometric Method for the Determination of Losartan potassium in Pharmaceutical dosage form and its application to Protein binding study, Journal of Pharmacy Research,4(11), 2011.4139-4141
- v. K.Vinod kumar, Dr.M.Sudhakar, Dr.Y.P.Reddy¹, A.V.S.S.Kumar, Development and validation of UV spectrophotometric method for simultaneous estimation of simvastatin and ezetimibe in combined dosage form using simultaneous equation method, Journal of Pharmacy Research,4(12), 2011.4672-4674.
- vi. B. Ramya, K. Vinod Kumar, P. Ramalingam and J. Ravindra Reddy, UV Derivative Spectrophotometric Method For Simultaneous Estimation Of Metaxalone And Diclofenac Potassium In Combined Dosage Form, IJPSR, 3(11), 2012, 4301-4305
- vii. P. V. Vamshi Krishna, K. Vinod Kumar, P. Ramalingam, N. Ramesh, C. Harish Kumar Raju, B. Sreeram, Simultaneous Determination of Lamivudine, Zidovudine and Nevirapine in Tablet Dosage Forms by RP- HPLC, Am. J. PharmTech Res. 2(4), 2012; 895-901.

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

- viii. K. Vinod kumar, M.sudhakar, Y Padmanabha Reddy, A. Ravindra, Validated RP- HPLC Method for Simultaneous Estimation of Metaxalone and Diclofenac potassium in Combined Dosage Form, Am. J. PharmTech Res. 3(4), 2013; 750-758
- ix. Ravindra, P. Hima, K. Narayana Swamy, K. Vinod Kumar, Validated RP- HPLC Method for Simultaneous Estimation of Levonorgestrel and Ethinylestradiol in Combined Dosage Form, Journal of Scientific and Innovative Research 2013; 2 (3): 598-607

Mrs. K. V. Lalitha

- i. K.V. Lalitha, Golla Murali Mohan Reddy*, J. Ravindra Reddy, K. Vinod Kumar, A. Aliekya "RP-HPLC Method Development and Validation for the Simultaneous Estimation of Paracetamol and Flupiritine Maleate in Pharmaceutical Dosage Forms" Journal of scientific and Innovative Research JSIR-2013-02349
 - ii. K.V.lalitha, R.Kiranjyothi, B.Padma "UV spectrophotometric method development and validation for the determination of Atenolol and Losartan potassium by q-analysis" International Bulletin of Drug Research., 3(4): 54-62, 2013
 - iii. Ramalingam Peraman, K V Lalitha, Naga Mallikarjuna Raja B and Hari Babu Routhu "Identification of Degradation Products and Stability-Indicating RP-HPLC Method for Determination of Flupirtine maleate in Pharmaceutical Dosage Forms" Scientia Pharmaceutica sci.pharm.in press doi:10.3797/scipharm.1310-01
20. Areas of consultancy and income generated - Not Applicable -

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21. Faculty as members in

| | |
|--------------------------------|---|
| <p>Dr. Y. Padmanabha Reddy</p> | <p>EC Member, Education Division, Indian Pharmaceutical Association, Mumbai. EC Member, Indian Pharmaceutical Association, Tirupathi. EC Member, Association of Pharmaceutical Teachers' of India. Served as member, Board of Studies in Pharmacy, JNT University. President, JNTU affiliated Pharmacy Principals Association. Panel Inspector for Pharmacy Council of India, New Delhi. Examiner for PG / UG of various universities such as RGUHS, MGRUHS, AU, OU. Life member, Indian Pharmaceutical Association. Life member, Indian Hospital Pharmacist Association. Life member, Indian Society of Pharmacognosy. Life member, Indian Pharmacological Society. Life member, Indian Society for Technical Education. Life member, Indian Pharmacy Graduates Association. Life member, Indian Cosmetic Technologists Association. Life member, Association of Pharmaceutical Teachers of India. President - International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter Life Member - International Society for Pharmacoconomics and Outcomes Research (ISPOR). Editor In-chief - RIPER PDIC Bulletin Editor In-chief - Chemistry News Letter</p> |
| <p>Dr. Ramalingam Peraman</p> | <p>Life Member - Indian Pharmaceutical Association Life Member - International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter Editor, Chemistry News Letter Member - Advisory Board - RIPER PDIC Bulletin Reviewer status in Elsevier, Springer's and Taylors and Francis (European Journal of Medicinal Chemistry, Medicinal Chemistry Research, Journal of</p> |

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| | |
|---------------------|--|
| | Pharmaceutical Analysis, Journal of Liquid Chromatography and Related Technologies). |
| Mr. K. Vinod Kumar | Life Member - Indian Pharmaceutical Association Life Member - International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter |
| Mrs. K. V. Lalitha | Life Member - Indian Pharmaceutical Association Life Member - International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter |
| Mr. Amarnatha Reddy | Life Member - International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter |
| Mr. Harsha Teja | Life Member - International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter |

22. a) Percentage of students who have done in-house projects including inter departmental/programme: 80

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 20

23. Awards / Recognitions received by faculty and students

Dr. Y. Padmanabha Reddy

Best PhD thesis awarded by Andhra University, Andhra Pradesh., India

Best Principal and Director awarded from faculty branding awards 2014

Dr. Y. Ramalingam Peraman

Approved and recognized Question paper setter and end practical Examiner in Pharmaceutical Chemistry/ Analysis to various universities

JNT University Kakinada, AP, India.

JNT University Anantapur, AP, India.

Acharya Nagarjuna University, Guntur, AP, India.

Rajiv Gandhi University of Health Sciences, Karnataka, India (syllabus revision).

Kakatiya University, Warangal, AP, India.

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24. List of eminent academicians and scientists / visitors to the department

- i. Dr. Gopal Rao, Vice Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, Tamil Nadu
- ii. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- iii. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- iv. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- v. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- vi. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd
- vii. Mr. Chandra Shekar, Corporate Trainer, Bangalore
- viii. Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P
- ix. Dr. Sateesh. Rph USA, Dean & Associate Professor, Vignan College of Pharmacy

25. Seminars/ Conferences/Workshops organized & the source of funding

- i. Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training 22nd December 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad.
- ii. Workshop on Design of Experiments (DoE) & Quality by Design (QbD): Hands on Training 24th February 2013, Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Swaroop Tech Consultancy, Hyderabad.
- iii. National Conference on Emerging Trends in Pharmaceutical Sciences 22nd December 2012, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) Anantapuramu, Andhra Pradesh.
- iv. Workshop on HPLC as an Analytical Tool 8th - 9th March 2012, organized by Raghavendra Institute of Pharmaceutical Education & Research - RIPER, in association with Chromatographic Society of India.

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- v. National Workshop on Product Development Stability Testing and Safety - Current Trends 7th August 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER).

26. Student profile programme/course wise

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | | | Pass % |
|-------|-----------------------|-------------------|--------------------|-------------------|----|-------|--------|
| | | | | M | F | Total | |
| 01 | M. Pharmacy (PA & QA) | 2008 | 2010 | 05 | 03 | 08 | 87.5 |
| 02 | M. Pharmacy (PA & QA) | 2009 | 2011 | 11 | 08 | 19 | 94.7 |
| 03 | M. Pharmacy (PA & QA) | 2010 | 2012 | 21 | 16 | 37 | 94.44 |
| 04 | M. Pharmacy (PA & QA) | 2011 | 2013 | 19 | 17 | 36 | 100 |
| 05 | M. Pharmacy (PA & QA) | 2012 | 2014 | 14 | 16 | 30 | 100 |

27. Diversity of Students (Department of Pharmaceutical Analysis & Quality Assurance)

| Year | % of students from the same state | % of students from other States | % of students from abroad |
|------|-----------------------------------|---------------------------------|---------------------------|
| 2008 | 100 | NIL | NIL |
| 2009 | 100 | NIL | NIL |
| 2010 | 100 | NIL | NIL |
| 2011 | 100 | NIL | NIL |
| 2012 | 100 | NIL | NIL |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGECET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |
| Government University | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University (others) | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

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29. Student Progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | |
| 2008 | 65 |
| 2009 | 72 |
| 2010 | 75 |
| 2011 | 70 |
| 2012 | 75 |
| PG to Ph.D. | |
| 2008 | 20 |
| 2009 | 15 |
| 2010 | 20 |
| 2011 | 15 |
| 2012 | 20 |
| Entrepreneurship/Self-employment | |
| 2008 | 20 |
| 2009 | 18 |
| 2010 | 25 |
| 2011 | 30 |
| 2012 | 25 |

30. Details of Infrastructural facilities a) Library, b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings | |
| During working day | 09.00 am to 5.00 pm |
| Week end and Vocation | 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

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- Internet Service Facilities Yes
- Name of the Internet provider BSNL Broadband
- Available bandwidth 10 Mbps
- Access speed 5 Mbps
- Availability of Internet in an exclusive lab YES
- Availability in most computing labs YES
- Availability in departments and other units YES – Wi-Fi
- Availability in faculty rooms Wi-Fi
- Institute's own e-mail facility to faculty/students No
- Security/privacy to e-mail/Internet users No
- E-library is made available to students and faculty to browse various journals and books.
- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software's (QbD and Clinical Pharmacology)
- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.

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Facilities available in Division of Pharmaceutical Analysis and Quality Assurance

| S.No | Name of the Instrument / Equipment | Mfg. by / supplier | No. available |
|------|---|-------------------------------------|----------------|
| 1 | UV - Visible Spectrophotometer (Double Beam) | Lab India Systronics | 01 01 |
| 2 | Polarimeter | Systronics | 02 |
| 3 | HPLC (LC Agilent 1120) with UV HPLC (LC Agilent, 1200) with PDA | Agilent Tech. | 02 |
| 4 | HPLC Columns C18 (250mm x 4.6 mm, 5 micron) C8 (250mm x 4.6 mm, 5 micron) C18 (150mm x 4.6 mm, 5 micron) | Agilent Qualisil Gold Agilent | 03 02 01 |
| 5 | Gas Chromatograph - FID | Bruker | 01 |
| 6 | FT - IR (ATR, KBr disc, Liquid cell) | Bruker | 01 |
| 7 | Sonicator | Powergesic | 01 |
| 8 | Humidity / Environmental Chamber | Remi | 01 |
| 9 | Cooling incubator | Remi | 01 |
| 10 | Colorimeter | Systronics | 02 |
| 11 | Colorimeter | Elico | 02 |
| 12 | Digital Melting point Apparatus | Kemi | 01 |
| 13 | Flame Photometer | Systronics | 01 |
| 14 | Photofluorimeter | Systronics | 02 |
| 15 | Nephlo - Turbidimeter | Systronics | 01 |
| 16 | pH Meter | Systronics | 03 |
| 17 | Conductivity meter | Systronics | 03 |
| 18 | Polarograph | Systronics | 01 |
| 19 | Universal titrator (KF) | Systronics | 01 |
| 20 | KBr Pellet Press | Bruker | 01 |
| 21 | Micropipette 100, 1000, 10 microliters | Eppendref | 04 |
| 22 | Muffle furnace | Remi | 01 |
| 23 | Heating mantle | Remi | 05 |
| 24 | Magnetic stirrer | Remi | 04 |
| 25 | Glass Column (Preparative) | JSGW | 02 |
| 26 | Glass Column (Pilot) | JSGW | 02 |
| 27 | Gel Electrophoresis (Horizontal) Unit | JSGW | 01 |
| 28 | Azeotropic distillator | JSGW | 02 |
| 29 | Clavenges Apparatus | JSGW | 02 |
| 28 | Kjeldhal Apparatus | JSGW | 01 |
| 29 | Beckmann Apparatus | JSGW | 01 |
| 30 | Leurquin Apparatus | JSGW | 01 |
| 31 | All Glass Distill Unit | JSGW | 01 |
| 32 | Digital High Precision Balances | LC - GC | 05 |
| 33 | Landsberger Apparatus | JSGW | 01 |
| 34 | TLC Chamber | JSGW | 07 |
| 35 | TLC Spreader (0.5, 1.0, 1.5, 2 mm) | JSGW | 01 |
| 36 | Hot air Oven | Kemi | 02 |
| 37 | Water bath Electrically Heated | Kemi | 01 |
| 38 | UV - Chamber | Systronics | 02 |
| 39 | Soxhlet Apparatus | Borosil | 02 |
| 40 | Physical Balance | Keroy | 10 |

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| | | | |
|----|---------------------|---------|----|
| 41 | Refrigerator | Godrej | 01 |
| 42 | Vacuum Desiccators' | Borosil | 02 |

31. Number of students receiving financial assistance from college, university, government or other agencies

Students of the institution receive financial assistance as per norms of Govt of Andhra Pradesh.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

33. Teaching methods adopted to improve student learning

- Smart board teaching-learning process.
- Evidence based medicine teaching-learning process.
- Reflective learning
- Simulations
- Problem based learning (PBL)
- Student assisted teaching (SAT)
- Self directed learning and skills development (SDL)
- Teaching-learning process by referring the structured steps, firstly involving tertiary sources, followed by secondary and primary sources.
- Assessing student's observation about teaching content by open-ended questions.
- Use of model specimen, charts in explaining the subjects.
- Conducting mock presentations
- Conducting drug club, journal club.
- Conducting case presentation.
- Workshops on instrumentation.
- Conducting regular seminar presentations
- Assignments submission by students

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- Beyond syllabus teaching process
- Viva-voice
- Internal Examinations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participation in all National Service Scheme Programmes.

35. SWOC analysis of the department and Future plans

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.

5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University

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Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.

6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.

7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.

8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc

9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

Evaluation Report of Department of Pharmaceutics

1. Name of the Department: Pharmaceutics.
2. Year of Establishment:
- | | |
|--|------|
| B. Pharmacy | 2002 |
| M. Pharmacy | |
| Pharmaceutical Analysis and Quality Assurance | 2008 |
| Pharmaceutics | 2009 |
| Pharmacology | 2009 |
| Pharmacy Practice | 2013 |
| Pharm. D (Doctor of Pharmacy) | 2008 |
| Pharm. D (Doctor of Pharmacy – Post Baccalaureate) | 2009 |
| Doctorate in Philosophy (PhD) | 2013 |
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
- | | |
|------|---|
| UG | B. Pharmacy |
| PG | M. Pharm in Pharmaceutical Analysis and Quality Assurance |
| | M. Pharm in Pharmaceutics |
| | M. Pharm in Pharmacology |
| | M. Pharm in Pharmacy Practice |
| | Pharm. D |
| | Pharm. D (post baccalaureate) |
| Ph.D | Ph.D in Pharmaceutical Sciences |
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise)
- | | |
|-------------|---------------|
| B. Pharmacy | Semester wise |
| M. Pharmacy | Semester wise |
| Pharm. D | Annual |

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Pharm. D (PB) Annual

Ph.D Annual

6. Participation of the department in the courses offered by other departments

M. Pharm. Pharmacology

M. Pharm. Pharmaceutical Analysis and Quality Assurance

M. Pharm. Pharmacy Practice

M. Pharm. Pharmaceutical Chemistry

B. Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | -- | 1 |
| Associate Professors | -- | 3 |
| Asst. Professors | -- | 4 |

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|----------------------------------|----------------------|------------------------|---------------------------------|----------------------------|---|
| Dr. C. Sowmya | M. Pharm., PhD | Professor and Head | Pharmaceutics | 10 | 01 |
| Mr. C. Surya Prakash Reddy | M. Pharm., (Ph.D) | Associate Professor | Pharmaceutics | 08 | -- |
| Mr. B. Srinadh | M. Pharm., (Ph.D) | Associate Professor | Pharmaceutical Biotechnology | 07 | -- |
| Mr. C. Haranath. | M. Pharm., (Ph.D) | Associate Professor | Pharmaceutics | 07 | -- |
| Mrs. M. Parvathi | M. Pharm., (Ph.D) | Assistant Professor | Pharmaceutics | 04 | -- |
| Mr. K. Arshad Ahmad Khan | M. Pharm., (Ph.D) | Assistant Professor | Pharmaceutics | 04 | -- |
| Mrs. S. Seetha | M. Pharm | Assistant Professor | Pharmaceutics | 03 | -- |
| Mr. E. Bhargav | M. Pharm | Assistant Professor | Pharmaceutics | 01 | -- |

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11. List of Senior Visiting Faculty

- i. Dr. Gopal Rao, Vice Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, Tamil Nadu
- ii. Mr. M. VenkataRao Associate Professor, Tirupathi
- iii. Mr. Prasanna Kumar, Reliance Pharmaceuticals
- iv. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- v. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- vi. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- vii. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- viii. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd
- ix. Mr. Chandra Shekar, Corporate Trainer, Bangalore
- x. Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: - Not Applicable -

13. Student -Teacher Ratio (programme wise)

B. Pharmacy - 15:1

M. Pharmacy - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Totally 4 for both B. Pharmacy and M. Pharmacy

15. Qualifications of teaching faculty with D.Sc/ D.Lit/ Ph.D/ MPhil / PG

PhD qualified Faculty: 01

PG qualified Faculty: 07

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16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

| S. No | Project Title | Funding Agency | Year | Amount Sanctioned | Investigator |
|-------|--|----------------|---------|-------------------|-----------------------------|
| 01 | Design, Fabrication and Evaluation of Controlled Drug delivery Systems Using Modified Natural Polymers for Anti diabetic Therapy | AICTE | 2013-14 | 10.5 Lakhs | Dr. C Sowmya (Investigator) |

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: YES, First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences .

19. Research Publications

| S.No | Name of the faculty | Title of article | Title of journal | Year | Page no |
|------|---------------------|--|-----------------------------|------|---------|
| 1. | Dr. C Sowmya | Preparation and Evaluation of Starch Acetate Based Gliclazide Microcapsules, | British Biomedical Bulletin | 2015 | 166-175 |
| 2. | Dr. C Sowmya | Preparation and Evaluation of Starch Acetate Coated Microcapsules for Controlled Release of Glimpiride | Inventi impact, NDDS | 2015 | 73-77 |
| 3. | Dr. C Sowmya | Review on Emerging trends of In-situ gelling systems, a novel approach for improved drug therapy | Inventi impact, NDDS | 2014 | 74-85 |
| 4. | Dr. C Sowmya | Antisense Technology: Oligonucleotides and its Delivery Strategies | British Biomedical Bulletin | 2014 | 104-116 |

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| | | | | | |
|-----|---------------------------|--|---|------|-----------|
| 5. | Dr. C Sowmya | Preparation and Evaluation of Fluoxetine Hydrochloride Oral Dispersible Tablets. | International Journal of Pharmacy and Pharmaceutical Sciences | 2014 | 216-222 |
| 6. | Dr. C Sowmya | Antisense Technology: Oligonucleotides and its Delivery Strategies | British Biomedical Bulletin | 2014 | 104-116 |
| 7. | Mr. Suryaprakash Reddy .C | Dissolution Enhancement of Aceclofenac By Solid Dispersion Technique Using Starch Phosphate As Polymer | International bulletin of drug research | 2014 | 53-65, |
| 8. | Mr. Suryaprakash Reddy .C | Emulgel: A Novel approach for enhancing topical delivery of aceclofenac | Inventi Rapid: NDDS | 2014 | 1-4, |
| 9. | Mr. Suryaprakash Reddy .C | Development of sustained release ambroxol hydrochloride by pelletization | IJARRP | 2014 | 179-193 |
| 10. | Mr. Suryaprakash Reddy .C | An overview on SR tablet and its technology | IJPDA | 2014 | 739-746 |
| 11. | Mr. Suryaprakash Reddy .C | Bi-layer tablet and its technology : An overview | WJPR | 2014 | 1244-1255 |
| 12. | Mr. Suryaprakash Reddy .C | A review on dental implants | JGTPS | 2014 | 2134-2138 |
| 13. | Mr. Suryaprakash Reddy .C | Floating tablets and its technology: An overview | IJPDA | 2014 | 653-657 |
| 14. | Mr. Suryaprakash Reddy .C | Dissolution Enhancement of Poorly Soluble Drug by Solid Dispersion Technique | Inventi Rapid: Pharm Tech | 2014 | 1-6 |
| 15. | Mr. C.Haranath | Emulgel: A Novel approach for enhancing topical delivery of aceclofenac | InventiRapid:N DDS | 2014 | 1-4, |

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| | | | | | |
|-----|--------------------------|--|--|------|------------|
| 16. | Mr. C.Haranath | Formulation and evaluation of fluoxetine fast dissolving tablets | International journal of current trends in pharmaceutical research | 2014 | 621-627 |
| 17. | Mr. C.Haranath | An overview on SR tablet and its technology | International journal of pharmaceutics and drug analysis | 2014 | 739-746: |
| 18. | Mr. C.Haranath | An updated review on liposomal drug delivery system | International journal of universal pharmacy & Biosciences | 2014 | 402-409: |
| 19. | Mr. C.Haranath | A review on diabetes mellitus type II | International journal of pharma research and review | 2014 | 1-4: |
| 20. | Mr. C.Haranath | Bi-layer tablet and its technology : An overview | World journal of pharmaceutical research | 2014 | 1244-1255 |
| 21. | Mr. C.Haranath | A review on dental implants | Journal of global trends in pharmaceutical sciences | 2014 | 2134-2138: |
| 22. | Mrs. M. Parvathi | Preparation and evaluation of quetiapine fumarate micro emulsions: a novel delivery system | Asian journal of pharmaceutical and clinical research | 2014 | 208-213 |
| 23. | Mr. K. Arshad ahmed khan | Various Techniques for Preparation of Nanosuspension- A Review | International Journal of Pharma Research & Review | 2014 | 30-37 |
| 24. | Dr. C Sowmya | Nanogels - As A Drug Delivery Carrier | Indo American Journal of Pharmaceutical | 2013 | 7356-7368. |

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| | | | | | |
|-----|---------------------------|---|--|------|---------|
| | | | research | | |
| 25. | Dr. C Sowmya | Development and characterization of an AntimicrotubularTaxane Loaded MPEG-b-PCL nanoparticles | International Journal of Research in Pharmaceutical and Nano Sciences. | 2013 | 495-504 |
| 26. | Dr. C Sowmya | Formulation and Evaluation of Ocular insitu gelling system of Moxifloxacin Hydrochloride | Journal of Pharmaceutical and Biomedical Analysis Letters | 2013 | 1-4 |
| 27. | Dr. C Sowmya | A brief review on oro-dispersible tablets: A popular growing technology | International Journal of Pharmaceutical Sciences Review and Research. | 2013 | 85-96 |
| 28. | Dr. C Sowmya | Applications of drug information service for preventing and correcting medication errors in an inpatient hospital setting | journal of pharmaceutical and biomedical research, | 2013 | 382-386 |
| 29. | Dr. C Sowmya | Assessment of adherence to drug information service protocol in a rural Indian Hospital | Asian journal of Biomedical and Pharmaceutical sciences, | 2013 | 27-31. |
| 30. | Mr. Suryaprakash Reddy .C | Formulation and In Vitro evaluation of liposomes containing metformin hydrochloride. | IJRPBS | 2013 | 1-4 |
| 31. | Mr. C.Haranath | A Brief Review on Oro-Dispersible Tablets: A Popular Growing Technology | International Journal of Pharmaceutical Sciences Review and Research | 2013 | 85-96 |
| 32. | Mrs.M.Parvathi | Formulation and evaluation of sintered matrix tablets of metformin hydrochloride and its Comparison over | International journal of research in pharmacy and chemistry. | 2013 | 521-529 |

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| | | | | | |
|-----|--------------------------|---|---|------|---------|
| | | unsintered matrix tablets | | | |
| 33. | Mr. K. Arshad Ahmed khan | Formulation and Evaluation of Omeprazole Buccoadhesive Tablets: Effect of Polymers | International Journal of Research in Pharmacy and Life Sciences | 2013 | 84-91 |
| 34. | Mr. K. Arshad Ahmed khan | Formulation and Evaluation of in Situ Gelling System of Ocular in Situ Gelling System of Moxifloxacin Hydrochloride | Journal of Pharmaceutical and Biomedical Analysis Letters | 2013 | 1-4 |
| 35. | Mr. E. Bhargav | Transdermal drug delivery system- A review | World Journal of Pharmacy & Pharmaceutical Sciences | 2013 | 170-186 |
| 36. | Mr. E. Bhargav | Thiomers fresh drift of polymers and their prospective in pharmaceuticals - A review | World Journal of Pharmacy & Pharmaceutical Sciences | 2013 | 204-220 |
| 37. | Mr. E. Bhargav | Targeted drug delivery system- A review | World Journal of Pharmacy & Pharmaceutical Sciences | 2013 | 150-169 |
| 38. | Dr. C.Sowmya | Nanosponges - A New Class of Drug Delivery in Targeting Tumors | Journal of Pharmaceutical Research & Clinical practice | 2012 | 54-59 |
| 39. | Dr. C.Sowmya | Formulation and Optimization of Immediate Release Tablets of an Anti-hypertensive drug by Dry granulation method | International Journal of Pharmacy and Industrial Research | 2012 | 267-274 |
| 40. | Dr. C.Sowmya | Formulation and Evaluation of Pioglitazone Microspheres. | Novel Science International Journal of Pharmaceutical Sciences | 2012 | 322-326 |

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| | | | | | |
|-----|--------------|--|--|------|-----------|
| 41. | Dr. C.Sowmya | Preparation and evaluation of Ofloxacin Microemulsion Gel | International Journal of Pharmacy and Industrial Research | 2012 | 228-234 |
| 42. | Dr. C.Sowmya | Formulation and Evaluation of Piroxicam Solid dispersions with suitable carrier | Research Journal of Pharmaceutical , Biological and Chemical Sciences. | 2012 | 929-940 |
| 43. | Dr. C.Sowmya | Formulation and In-vitro Evaluation of Venlafaxine Matrix Tablets | International Journal of Pharmacy and Industrial Research | 2012 | 177-190 |
| 44. | Dr. C.Sowmya | Dissolution Enhancement of Pioglitazone Hydrochloride using β -Cyclodextrin | International Journal of Pharmacy and Industrial Research | 2012 | 212-217 |
| 45. | Dr. C.Sowmya | pH and Microbially Triggered Release of Aceclofenac to large intestine for the treatment of Rheumatoid Arthritis | Research Journal of Pharmaceutical , Biological and Chemical Sciences. | 2012 | 247-262 |
| 46. | Dr. C.Sowmya | Colon Specific Drug Delivery Systems: A Review on Pharmaceutical Approaches with Current Trends | International Research Journal of Pharmacy | 2012 | 45-55 |
| 47. | Dr. C.Sowmya | An Overview on Bi-Layer Tablets | International Journal of Pharmacy & Technology | 2012 | 2143-2156 |
| 48. | Dr. C.Sowmya | Liquisolid Technique: A Novel Approach to Enhance Solubility and Bio-Availability of BCS-II Drugs | International Research Journal of Pharmacy | 2012 | 108-115 |

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| | | | | | |
|-----|---------------------------|--|---|------|-----------|
| 49. | Dr. C.Sowmya | An Overview of Fast Dissolving Tablets | International Journal of Pharmacy & Technology | 2012 | 2119-2134 |
| 50. | Dr. C.Sowmya | Transdermal Therapeutic Systems-An Over view | International Journal of Pharmacy and Industrial Research. | 2012 | 197-211 |
| 51. | Mr. Suryaprakash Reddy. C | pH and microbiallytriggerred release of aceclofenac to large intestine for the treatment of rheumatoid arthritis | Research Journal of Pharmaceutical Biological and Chemical Sciences | 2012 | 247-262 |
| 52. | Mr. Suryaprakash Reddy. C | Formulation and optimization of immediate release tablets of an anti-hypertensive drug by dry granulation method | International Journal of Pharmacy and Industrial Research | 2012 | 267-274 |
| 53. | Mr. Suryaprakash Reddy. C | Preparation and evaluation of ofloxacinmicroemulsion gel | International Journal of Pharmacy and Industrial Research | 2012 | 228-234 |
| 54. | Mr. Suryaprakash Reddy. C | Dissolution enhancement of pioglitazone hydrochloride using β -cyclodextrin | International Journal of Pharmacy and Industrial Research | 2012 | 212-217 |
| 55. | Mr. Suryaprakash Reddy. C | Formulation and in-vitro evaluation of venlafaxine matrix tablets. | International Journal of Pharmacy and Industrial Research | 2012 | 177-190 |
| 56. | Mr. Suryaprakash Reddy. C | Colon specific drug delivery systems: A review on pharmaceutical approaches with current trends. | International Research Journal of Pharmacy | 2012 | 45-55 |
| 57. | Mr. Suryaprakash | An overview on bi-layer tablets. | International Journal of | 2012 | 2143-2156 |

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| | | | | | |
|-----|---------------------------|--|---|------|-----------|
| | Reddy. C | | Pharmacy & Technology | | |
| 58. | Mr. Suryaprakash Reddy. C | A novel approach to enhance solubility and bioavailability of BCS-II Drugs. | International Research Journal of Pharmacy | 2012 | 108-115 |
| 59. | Mr. Suryaprakash Reddy. C | An overview of fast dissolving tablets. | International Journal of Pharmacy & Technology | 2012 | 2119-2134 |
| 60. | Mr. Suryaprakash Reddy. C | Transdermal therapeutic systems-an overview. | International Journal of Pharmacy and Industrial Research | 2012 | 197-211 |
| 61. | Mr. C.Haranath | Formulation and optimization of Immediate Release tablets of an antihypertensive drug by dry granulation method | International journal of pharmacy and industrial research | 2012 | 267-274 |
| 62. | Mrs. M. Parvathi | Intranasal drug delivery to brain: an overview | International journal of research in pharmacy and chemistry | 2012 | 889-895 |
| 63. | Mr. E. Bhargav | General comparison of patent systems in SAARC countries | Pharmaceutical Regulatory Affairs journal OMICS Group | 2012 | 1-4 |
| 64. | Dr. C.Sowmya | Development and validation of Spectrophotometric Method for the estimation of venlafaxine in Bulk and Formulations | International Journal of Chemical Sciences | 2011 | 52-58 |
| 65. | Mr. K. Arshad Ahmed khan | Design and evaluation of aceclofenac fast dissolving tablets prepared by crystallo-co-agglomeration technique | International Journal of Pharmacy and Pharmaceutical Sciences | 2011 | 116-123 |
| 66. | Mr. K. Arshad Ahmed khan | Particle Design of Aceclofenac-Disintegrant | Asian Journal of | 2011 | 40-48 |

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| | | | | | |
|-----|---------------|--|---|------|-----------|
| | | Agglomerates for Direct Compression by Crystallo-Co-Agglomeration Technique | Pharmaceutical Technology | | |
| 67. | Dr. C.Sowmya | Development of Matrix and Coated units for pH-Independent Release of a Weakly Basic Drug | Int. Journal of Pharmaceutical Sciences Review and Research | 2010 | |
| 68. | Dr. C.Sowmya | Simple UV Spectrophotometric methods for the estimation of Ofloxacin in Pharmaceutical Formulations | International Journal of Chemical Sciences | 2010 | 983-990 |
| 69. | Dr. C. Sowmya | Review : Polymers in Colon Drug Targeting | Indian Drugs | 2010 | 5-13 |
| 70. | Dr. C. Sowmya | Spectrophotometric Estimation of Ofloxacin in Pure and Pharmaceutical Dosage Forms | Asian Journal of Chemistry | 2009 | 2473-2475 |
| 71. | Dr. C. Sowmya | Spectrophotometric Method for the Estimation of Glimepiride in Bulk and Pharmaceutical Formulations. | International Journal of Chemical Sciences | 2009 | 1624-1628 |
| 72. | Mr.C.Haranath | Fabrication and evaluation of Glimepiride FicusBengalensis Fruit Mucilage matrix transdermal patches | International journal of chemical sciences | 2009 | 2294-2298 |
| 73. | Mr.C.Haranath | Formulation and evaluation of Nimesulide HibiscusEsculentus Fruit Mucilage matrix tablets | International journal of chemical sciences | 2009 | 2561-2566 |
| 74. | Mr.C.Haranath | Fabrication and evaluation of Glimepiride CordiaDichotomaG.Forst fruit mucilage sustained release matrix tablets | International journal of chemical sciences | 2009 | 2555-2560 |

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20. Areas of consultancy and income generated: - Not Applicable -

21. Faculty as members in

| | |
|--|---|
| Dr. C. Sowmya Mr. C. Surya Prakash Reddy Mr. B. Srinadh Mr. C. Haranath Mrs. M. Parvathi Mr. K. Arshad Ahmad Khan Mr. E. Bhargav Mrs. S. Seetha | Life Members - Indian Pharmaceutical Association (IPA) Life Members - International Society for Pharmacoeconomics and Outcomes Research, India Andhra Pradesh Chapter |
| Dr. C. Sowmya | Member - Association of Pharmacy Teachers India (APTI) Member - Advisory Board. RIPER PDIC Bulletin |

22. a) Percentage of students who have done in-house projects including inter departmental/programme: 85

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 15

23. Awards / Recognitions received by faculty and students

Dr. C. Sowmya was awarded as Best Pharmacist in Education Division by Indian Pharmaceutical Association Anantapuramu Branch during World Pharmacist Day Celebration 2015

Dr. C. Sowmya was awarded First Prize in ICPG (International Congress of Indian Pharmacy Graduates 2003) organized by Annamalai University, Chidambaram, Tamilnadu, India.

24. List of eminent academicians and scientists / visitors to the department

- x. Dr. Gopal Rao, Vice Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, Tamil Nadu
- xi. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- xii. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- xiii. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- xiv. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- xv. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd

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25. Seminars/ Conferences/Workshops organized & the source of funding

| S.No | Conference theme | Date & Venue |
|------|--|--|
| 1. | Workshop on Design of Experiments (DoE) & Quality by Design (QbD) : Hands on training | 22 nd December 2014 & Raghavendra Institute of Pharmaceutical Education &Research |
| 2. | National workshop on Product development, Stability testing and safety - Current trends | 07 th August 2014 & Raghavendra Institute of Pharmaceutical Education &Research |
| 3. | "RIPER'S PHARMA INNOVATION CONFEX" Current trends in pharma Industry, Future prospectus & hands on training | 19 th July 2014 & Raghavendra Institute of Pharmaceutical Education &Research |
| 4. | Workshop on Design of Experiments (DoE) & Quality by Design (QbD) : Hands on training | 24 th February 2013 & Raghavendra Institute of Pharmaceutical Education &Research |

26. Student profile programme/course wise

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | | | Pass % |
|-------|------------------------------|-------------------|--------------------|-------------------|----|-------|--------|
| | | | | M | F | Total | |
| 01 | M. Pharmacy Pharmaceutics | 2010 | 2012 | 15 | 03 | 18 | 100 |
| 02 | M. Pharmacy Pharmaceutics | 2011 | 2013 | 29 | 08 | 37 | 100 |
| 03 | M. Pharmacy Pharmaceutics | 2012 | 2014 | 26 | 14 | 40 | 100 |
| 04 | M. Pharmacy Pharmaceutics | 2013 | 2015 | 19 | 17 | 36 | 100 |

27. Diversity of Students (Department of Pharmaceutical Analysis & Quality Assurance)

| Year | % of students from the same state | % of students from other States | % of students from abroad |
|------|-----------------------------------|---------------------------------|---------------------------|
| 2010 | 100 | NIL | NIL |
| 2011 | 100 | NIL | NIL |
| 2012 | 98 | 1 | 1 |
| 2013 | 95 | NIL | 5 |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGECET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |
| Government | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |

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| | | | | | | | | | |
|-----------------------------|----|----|----|----|----|----|----|----|----|
| University | | | | | | | | | |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University (others) | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

29. Student Progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | |
| 2009 | 72 |
| 2010 | 75 |
| 2011 | 70 |
| 2012 | 75 |
| PG to Ph.D. | |
| 2009 | 15 |
| 2010 | 20 |
| 2011 | 15 |
| 2012 | 20 |
| Entrepreneurship/Self-employment | |
| 2009 | 18 |
| 2010 | 25 |
| 2011 | 30 |
| 2012 | 25 |

30. Details of Infrastructural facilities a) Library, b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings | |
| During working day | 09.00 am to 5.00 pm |
| Week end and Vocation | 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

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- Internet Service Facilities Yes
- Name of the Internet provider BSNL Broadband
- Available bandwidth 10 Mbps
- Access speed 5 Mbps
- Availability of Internet in an exclusive lab YES
- Availability in most computing labs YES
- Availability in departments and other units YES – Wi-Fi
- Availability in faculty rooms Wi-Fi
- Institute’s own e-mail facility to faculty/students No
- Security/privacy to e-mail/Internet users No
- E-library is made available to students and faculty to browse various journals and books.
- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software’s (QbD and Clinical Pharmacology)
- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.

Facilities available in Division of Pharmaceutics

| S.No | Name of the facility | Area occupied (Sqm) |
|------|-------------------------------------|--------------------------|
| 1 | Physical pharmacy lab | 81.32 |
| 2 | Biopharmaceutics & Pharmacokinetics | 81.32 |
| 3 | Formulation and Research Lab | 52.85 |
| 4 | Formulation Lab | 82.39 |
| 5 | Pharmaceutics Lab | 82.39 |
| 6 | Pilot plant | 79.04 |
| 7 | Pharmaceutics PG Lab | 81.32 |
| 8 | Staff rooms | 6.09+10.5+6.6+6.6 =29.79 |
| | TOTAL | 570.42 |

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| S. No | Name of Apparatus/Equipment | Make/Mfg. | No. of Apparatus/Equipments |
|-------|--|--------------------------|-----------------------------|
| 1. | DoE Software | Sigma Tech (3.1 version) | 02 |
| 2. | All Purpose equipment <ul style="list-style-type: none"> • Coating pan • Double cone blender • Pelletizer • Homogenizer • Planetary mixer • Compressor | Orchid | 01 |
| 3. | Ampoule filling machine | SSI | 01 |
| 4. | Ampoule sealing machine | SSI | 01 |
| 5. | Ampoule washing machine | SSI | 01 |
| 6. | Analytical balance | SSI | 04 |
| 7. | Autoclave | SSI | 01 |
| 8. | Balance (dispensing) | NSP | 05 |
| 9. | Balance (dispensing) -old | SSI | 10 |
| 10. | Ball mill | Dolphin | 02 |
| 11. | Brookfield viscometer | Brookfield | 01 |
| 12. | Capsule filling machine | SSI | 01 |
| 13. | Centrifuge | Singhala | 01 |
| 14. | Clarity tester | SSI | 02 |
| 15. | Colorimeter | Elico | 01 |
| 16. | Conductivity meter | Elico | 01 |
| 17. | Cooling centrifuge | Remi | 01 |
| 18. | Cutter mill | SSI | 01 |
| 19. | Cyclo mixer | Remi | 01 |
| 20. | DE-Ionizer unit | I.S.E | 01 |
| 21. | DE-Ionizer (old) | Singhala | 01 |
| 22. | Diffusion cell apparatus | Orchid Scientifics | 01 |
| 23. | Disintegration tester | Electro labs | 01 |
| 24. | Dissolution test apparatus | Lab India | 01 |
| 25. | Dissolution tester U.S.P | Electro labs | 01 |
| 26. | Dissolution test apparatus | DBK | 01 |
| 27. | Domestic grinder | SSI | 02 |
| 28. | Double cone blender | DBK | 01 |
| 29. | Dry and wet bulb thermometer psychrometer | NSP | 05 |
| 30. | Electrical water bath | Remi | 02 |
| 31. | Electronic balance | Citizen | 01 |

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| | | | |
|-----|--------------------------------------|-------------------------|----|
| 32. | Friability test apparatus | Electro labs | 01 |
| 33. | Friability test apparatus | J.R Industries | 02 |
| 34. | Tablet Hardness tester-Monsanto type | Dolphin | 02 |
| 35. | Tablet Hardness tester - pfizer type | Sisco | 02 |
| 36. | Heating mantle | Sintex | 04 |
| 37. | Homogenizer | Remi | 01 |
| 38. | Hot air oven | Kemi | 01 |
| 39. | HPLC | Elico | 01 |
| 40. | I.R. Moisture balance | Sisco | 01 |
| 41. | Magnetic stirrer | Remi | 03 |
| 42. | Mechanical agitator | Remi | 03 |
| 43. | Micro Centrifuge | Remi | 01 |
| 44. | Microscopes | Weswax | 04 |
| 45. | Ointment filling machine | SSI | 01 |
| 46. | Orbital shaking incubator | Cintex | 01 |
| 47. | Conical Percolators | SSI | 15 |
| 48. | Rotary vacuum evaporator | J.S.G.W | 01 |
| 49. | Sieve shaker | Dolphin | 01 |
| 50. | Sonicator - Bath | Wensar | 01 |
| 51. | Stop clocks | NSP | 20 |
| 52. | Suppository moulds | SSI | 78 |
| 53. | Tablet counter | SSI | 05 |
| 54. | Tablet punching machine (12station) | Remik | 01 |
| 55. | Tablet punching machine (12station) | Pharman | 01 |
| 56. | Tablet punching machine | Dolphin | 02 |
| 57. | Tablet punching motor driven | SSI | 01 |
| 58. | Tap density tester | Electrolab | 01 |
| 59. | Tincture press | SSI | 01 |
| 60. | Tray dryer | DBK | 01 |
| 61. | U .V. Spectrophotometer | Systronics | 01 |
| 62. | U. V. Spectrophotometer | Shimadzu | 01 |
| 63. | U.V. Spectrophotometer (1800) | Shimadzu | 01 |
| 64. | Ultrasonic processor(Sonicator) | Electrosonic Industries | 01 |
| 65. | Cooling Centrifuge | Remi | 01 |
| 66. | Conductivity meter | Elico | 01 |
| 67. | Colorimeter | Elico | 01 |
| 68. | Vacuum Desiccator | NSP | 02 |
| 69. | Orbital shaking Incubator | Cintex | 01 |

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| | | | |
|-----|--------------------------------|--------------------|----|
| 70. | Electronic balance | citizen | 01 |
| 71. | Franz Diffusion cell (6 cells) | Orchid Scientifics | 01 |
| 72. | Hardness Tester(Pfizer) | Sisco | 01 |
| 73. | Hot plate | Dalal | 01 |
| 74. | Cyclomixer | Remi | 01 |
| 75. | Rotary Shaker | Dalal | 01 |
| 76. | Beck mann's Apparatus | NSP | 01 |
| 77. | Lands Berger's Apparatus | NSP | 01 |

31. Number of students receiving financial assistance from college, university, government or other agencies

Students of the institution receive financial assistance as per norms of Govt of Andhra Pradesh.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

33. Teaching methods adopted to improve student learning

- Smart board teaching-learning process.
- Evidence based medicine teaching-learning process.
- Reflective learning
- Simulations
- Problem based learning (PBL)
- Student assisted teaching (SAT)
- Self directed learning and skills development (SDL)
- Teaching-learning process by referring the structured steps, firstly involving tertiary sources, followed by secondary and primary sources.
- Assessing student's observation about teaching content by open-ended questions.
- Use of model specimen, charts in explaining the subjects.
- Conducting mock presentations

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- Conducting drug club, journal club.
- Conducting case presentation.
- Workshops on instrumentation.
- Conducting regular seminar presentations
- Assignments submission by students
- Beyond syllabus teaching process
- Viva-voice
- Internal Examinations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participations in all National Service Scheme Programmes.

35. SWOC analysis of the department and Future plans

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.

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5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.
6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.
7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.
8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc
9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

Evaluation Report of Department of Pharmacology

1. Name of the Department: Pharmacology.
2. Year of Establishment:
- | | |
|--|------|
| B. Pharmacy | 2002 |
| M. Pharmacy | |
| Pharmaceutical Analysis and Quality Assurance | 2008 |
| Pharmaceutics | 2009 |
| Pharmacology | 2009 |
| Pharmacy Practice | 2013 |
| Pharm. D (Doctor of Pharmacy) | 2008 |
| Pharm. D (Doctor of Pharmacy - Post Baccalaureate) | 2009 |
| Doctorate in Philosophy (PhD) | 2013 |
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
- | | |
|------|---|
| UG | B. Pharmacy |
| PG | M. Pharm in Pharmaceutical Analysis and Quality Assurance |
| | M. Pharm in Pharmaceutics |
| | M. Pharm in Pharmacology |
| | M. Pharm in Pharmacy Practice |
| | Pharm. D |
| | Pharm. D (Post Baccalaureate) |
| Ph.D | Ph.D in Pharmaceutical Sciences |
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise)
- | | |
|---------------|---------------|
| B. Pharmacy | Semester wise |
| M. Pharmacy | Semester wise |
| Pharm. D | Annual |
| Pharm. D (PB) | Annual |
| Ph.D | Annual |

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6. Participation of the department in the courses offered by other departments

M. Pharm. Pharmaceutical Analysis and Quality Assurance

M. Pharm. Pharmaceutics

M. Pharm. Pharmacy Practice

M. Pharm. Pharmaceutical Chemistry

B. Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | -- | -- |
| Associate Professors | -- | 3 |
| Asst. Professors | -- | 2 |

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-------------------------|-------------------|------------------------------|----------------|----------------------------|---|
| Mr. S. Nagarjuna | M. Pharm., (Ph.D) | Assistant Professor and Head | Pharmacology | 05 | -- |
| Dr. M. Jaffar Sadiq | M. Pharm., PhD | Associate Professor | Pharmacology | 06 | -- |
| Dr. K. Somasekhar Reddy | M. Pharm., PhD | Associate Professor | Pharmacology | 07 | -- |
| Mr. B. Pradeep Kumar | M. Pharm., (Ph.D) | Associate Professor | Pharmacology | 07 | -- |
| Mr. A. Sudheer | M. Pharm. | Assistant Professor | Pharmacology | 05 | -- |

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11. List of Senior Visiting Faculty

- i. Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P
- ii. Dr. Gopal Rao, Vice Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, Tamil Nadu
- iii. Mr. M. Venkata Rao Associate Professor, Tirupathi
- iv. Mr. Prasanna Kumar, Reliance Pharmaceuticals
- v. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- vi. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- vii. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- viii. Devandra. S.Yadav, Dr. Reddys Laboratories, Hyderabad
- ix. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd
- x. Mr. Chandra Shekar, Corporate Trainer, Bangalore

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: - Not Applicable-

13. Student -Teacher Ratio (programme wise)

B. Pharmacy - 15:1

M. Pharmacy - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Totally 4 for both B. Pharmacy and M. Pharmacy

15. Qualifications of teaching faculty with D.Sc/ D.Lit/ Ph.D/ MPhil / PG

PhD qualified Faculty: 02

PG qualified Faculty: 03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: YES, First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences.

19. Research Publications

Mr. S. Nagarjuna

I. S.Nagarjuna, T.E.Gopala Krishna Murthy and A.Srinivasa Rao. Antidiabetic activity of different fractions of hydroalcoholic extract of *Mnesithea granularis* in streptozotocin induced diabetic rats. *International Journal of Pharma and Biosciences*, 6(1): 2015; 86 - 96.

II. S.Nagarjuna, T.E.Gopala Krishna Murthy and A.Srinivasa Rao. Preliminary phytochemical investigation and Thin Layer Chromatography profiling of different extracts and fractions of *Mnesithea granularis*. *Inventi Rapid: Planta Activa*, 2015(1): 2014; 1-5.

III. T. Srinath Reddy, S. Arafath, Saba Shafeen, Hima Bindu.R, N. Adithya, Nagarjuna.S. In Vitro Evaluation of Anthelmintic Activity of *Gymnema sylvestre* Leaves Against *Pheretima posthuma*, *International Journal of Drug Development & Research*, 2013,5(2),382-386.

IV. Doppalapudi Sandeep, Sandhya, Chandra Kalyan Reddy Y, Nagarjuna. S, Padmanabha Reddy. Y, Saba Shafeen. Anti-inflammatory activity of *Cicer arietinum* seed extracts, *Asian Journal of Pharmaceutical and Clinical Research*, 2012, 5 (1), 64-68.

V. Sanjeeva Kumar A , Gnananath K , Saibaba Gande , Rajasekhar Goud E , Rajesh P , Nagarjuna S. Anti diabetic Activity of Ethanolic Extract of *Achyranthes aspera* Leaves in Streptozotocin induced diabetic rats, *Journal of Pharmacy Research* 2011,4(7),3124-3125.

VI. Chandra Kalyan Reddy. Y, Sandhya. L, Sandeep. D, Ruth Salomi. K, Nagarjuna. S, Padmanabha Reddy. Y. Evaluation of diuretic activity of aqueous and ethanolic extracts of *Lawsonia inermis* leaves in rats. *Asian Journal of Plant Science and Research (Pelagia Research Library)*, 2011, 1 (3):28-33.

- VII. Kallakunta Ruth Salomi, S. Saba Shafeen, C. Roopesh, Y. Chandra Kalyan Reddy, L. Sandya, S. Nagarjuna and Y. Padmanabha Reddy. Evaluation of immunomodulatory activity of petroleum ether extracts of seeds of *Celastrus paniculatus*. *Der Pharmacia Lettre (Scholar's Research Library)*, 2011, 3 (5): 87-93.
- VIII. Ramya Krishna. P. S, Bhaduri Lavanya, Pulla Sireesha, S. Nagarjuna and Y. Padmanabha Reddy. Comparative study of *Acacia nilotica* and *Acacia sinuata* for diuretic activity. *Der Pharmacia Sinica (Pelagia Research Library)*, 2011, 2 (6):17-22.
- IX. Pulla Sireesha, Doppalapudi Sandeep, S. Nagarjuna, Y. Padmanabha Reddy. Evaluation of anti-inflammatory activity of different solvent extracts of *Nicotiana tabacum* leaves in rats. *Journal of Pharmacy Research* 2011, 4(10), 3525-3526.
- X. Bhaduri Lavanya, Ramya Krishna P. S., S. Nagarjuna, Y. Padmanabha Reddy. In-vitro comparative study of anthelmintic activity of *Brassica juncea* and *Brassica oleracea*. *Journal of Pharmacy Research* 2011, 4(9), 2907-2909.
- XI. Ramesh Y, Raghu Murthy V, Nagarjuna S, Viswanath Reddy M, Raveendra M Mallikarjuna Rao K, A Review On Gastroesophageal Reflux Disease, *International Journal of Advances in Pharmacy and Biological Sciences*, 2011, 1 (1), 31 - 36.
- XII. Ramesh Y, Viswanath Reddy M, Mallikarjuna Rao K, Sk.Umadevi, Nagarjuna S, Upendra Rao M, Formulation And Evaluation Of Tramadol Fast Dissolving Tablets, *International Journal of Advances in Pharmaceutical Research* 2011, 2 (2), 52 - 56.
- XIII. Avvari Sanjeeva Kumar, S. Nagarjuna, N. Venkata kullai setty, Ch. Raju, M. Kashinath, A Comprehensive Review on Marine Algae And Their Multidisciplinary Activities, *International Journal of Advances in Pharmacy and Biological Sciences* 2011, 1 (2), 44 - 50.
- XIV. R.Himabindu, B. Jagadish, C. Roopesh, K. Anil, S. Nagarjuna, Y. Padmanabha Reddy, In-Vitro Anthelmintic Activity of *Rheum Palmatum* And *Tribulus terrestris*, *International Journal of Advances in Pharmaceutical Research* 2011, 2 (8), 423 - 426.
- XV. C. Roopesh, K. Ruth Salomi, S. Nagarjuna and Y. Padmanabha Reddy. Diuretic activity of Methanolic and ethanolic extracts of *Centella asiatica* leaves in rats, *International Research Journal of Pharmacy* 2011, 2 (11), 163-165

XVI. A. Mohan Krishna, K. Sai Rajesh, M. Sudheer, A. Kiran kumar, A. V. Satish Siva Kumar, G. Raja Sekhar and S. Nagarjuna. New UV-Spectrophotometric Method for the Determination of Lansoprazole in Pharmaceutical Dosage Form and Its application to Protein binding Study. *Journal of Pharmacy Research* 2011, 4(6).

XVII. Ramesh Y, Raghumurthy V, Nagarjuna S, Viswanath Reddy M, Sudheer M, Manikanta M. Development and in vitro evaluation of fast dissolving tablets of imepramine. *International Journal of Research in Pharmaceutical Sciences* 2011, 2 (3), 344-347.

XVIII. K. Jag jeevan Rao, S. Arafath, S. Nagarjuna, Y. Padmanabha Reddy, A.Sanjeeva Kumar. Anthelmintic activity of different solvent extracts of unripe fruits of *Achras sapota* prepared by under reflux and sonication, *Journal of Pharmacy Research* 2011, 4(11).

XIX. T.E.G.K. Murthy, S. Nagarjuna, P. Sathar Vali, T. Saritha, G. Madhu Sudhana Rao. Lysosomal storage Disorders and Treatment, *International Journal of PharmTech Research*, 2010, 2 (2), 1082-1091.

XX. T.E.G.K.Murthy, K. Sri Janaki, S. Nagarjuna, P. Sangeetha, S. Sindhura, Biological Response Modifiers, *International Journal of Pharm Tech Research* 2010,2(4), 2152-2160.

Dr. K. Somasekhar Reddy

- I. Bhupalam Pradeepkumar,, Y Padmanabha Reddy, N Devanna1, K Somasekhar Reddy,A Sudheer, G Naresh Babu, Evaluation of Anti Ulcer effect of *Polyalthia Longifolia* Leaves in Albino Rats., *International Journal of Chemistry and Pharmaceutical Sciences.*, 2015, 3(3): 1584-1586
- II. K. Somasekhar Reddy,* Y.Padmanabha Reddy, N. Devanna. Protective Effect of Polyherbal Formulation against Diabetes Induced Nephropathy in Rats. *Inventi Rapid: Ethnopharmacology*, 2014(4): 1-4, 2014.
- III. K. Somasekhar Reddy*, Y.Padmanabha Reddy, N.Devanna. Standardization of a polyherbal formulation: Dia-care, *Journal of Advanced Scientific Research*. 2014; 5(1): 34-36

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- IV. K. Somasekhar Reddy*, Y.Padmanabha Reddy, and N.Devanna. Antidiabetic activity of a polyherbal formulation (Dia-care), *Adv.pharmacol.Toxicol.* 2012; 13(3):27-30.
- V. K. Somasekhar Reddy*, K.Vijaya Nirmala, N.Vidya Sagar, T.Chandana Reddy and P.Vasudha Rani. Nephroprotective activity of liv 52 on warm ischemia/reperfusion-induced oxidative renal injury in rats, *Adv.pharmacol.Toxicol.* 2011; 12(2):67-70.
- VI. K. Somasekhar Reddy*, Y.Padmanabha Reddy, J.Ravindra Reddy, B.Ramesh, M.Srimachandra, B.Pradeepkumar and P.Sandya Rani. Effect of leucas aspera on lead acetate induced nephrotoxicity in rats, *Asian journal of chemistry.* 2010; 22(3):2450-2454.
- VII. Hindustan AbdulAhad, B.PredeepKumar, C.Haranath, K.somasekhar reddy, Fabrication and evaluation of Glimepiride Ficus Bengalensis Fruit Mucilage matrix transdermal patches, *International journal of chemical sciences.* 2009; 7(4):2294-2298.
- VIII. Hindustan AbdulAhad, B.PredeepKumar, C.Haranath, K.somasekhar reddy, Formulation and evaluation of Nimesulide Hibiscus Esculentus Fruit Mucilage matrix tablets, *International journal of chemical sciences.* 2009; 7(4):2561-2566.
- IX. Hindustan AbdulAhad, B.PredeepKumar, C.Haranath, K.somasekhar reddy, Fabrication and evaluation of Glimepiride Cordia Dichotoma G.Forst fruit mucilage sustained release matrix tablets, *International journal of chemical sciences.*, 7(4), 2009, 2555-256.
- Mr. A. Sudheer
- I. Bhupalam Pradeepkumar, Y Padmanabha Reddy, N Devanna, K Somasekhar Reddy, A Sudheer, G Naresh Babu, Evaluation of Anti Ulcer effect of Polyalthia Longifolia Leaves in Albino Rats., *International Journal of Chemistry and Pharmaceutical Sciences.*, 2015, 3(3): 1584–1586

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

- II. Nagarjuna S1*, Arifullah M1, Sanjeeva Kumar A1, Sudheer A1, Padmanabha Reddy Y1., Evaluation of Antiparkinson Activity of Brassica oleracea in Reserpine Induced Parkinsonian Model., *Inventi Rapid: Ethnopharmacology* Vol. 2014, Issue 3
- III. Akkiraju Sudheer1*, Y Padmanabhareddy1, P Venkatesh1, K Ranjith Kumar1, V Suma1, M. Rojapathi Naidu1., Cardioprotective Effect of Clove Oil in Isoprenaline Induced Myocardial Infarction on Male Wistar Rats., *Inventi Rapid: Ethnopharmacology* Vol. 2014, Issue 2.

Mr. B. Pradeep Kumar

K.Somasekhar Reddy*, Y.Padmanabha Reddy, J.Ravindra Reddy,B.Ramesh, M.Srimachandra, B.Pradeepkumar and P.Sandya Rani. Effect of leucas aspera on lead acetate induced nephrotoxicity in rats *Asian journal of chemistry*.22(3),2010,2450-2454.

HindustanAbdulAhad ,B.PredeepKumar, C.Haranath, K.Somasekhar reddy, Fabrication and evaluation of Glimepiride *FicusBengalensis* Fruit Mucilage matrix transdermal patches,*International journal of chemical sciences*.,7(4),2009,2294-2298.

HindustanAbdulAhad ,B.PredeepKumar, C.Haranath, K.somasekhar reddy,Formulation and evaluation of Nimesulide *HibiscusEsculentus* Fruit Mucilage matrix tablets, *International journal of chemical sciences*.,7(4),2009,2561-2566.

HindustanAbdulAhad, B.PredeepKumar, C.Haranath, K.somasekhar reddy, Fabrication and evaluation of Glimepiride *Cordia Dichotoma G.Forst* fruit mucilage sustained release matrix tablets, *International journal of chemical sciences*.,7(4),2009,2555-2560.

Dr. Jaffar sadiq

- I. Y. Padmanabha Reddy, K. B. Chandrasekhar, Mohammed Jaffar Sadiq. A Study of *Nigella sativa* induced growth inhibition of MCF and HepG2 cell lines: An Anti neoplastic study along with its mechanism of action. *Pharmacognosy Research – 2015*: 7(2); 193 – 197. [PUBMED]
- II. P Siva Prasad, J Thippe Rudra, P Vasanthi, U Sushitha, M Jaffar Sadiq, G Narayana. Assessment of drug use pattern using World Health Organization core drug use indicators at Secondary Care Referral Hospital of South India. *Chrimed journal of health and research – 2015*; 2(3): [In press] [Medknow]

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- III. Hindustan Abdul Ahad, Jaffar Sadiq M, Bheemachari, Shiv Kumar. A Comparative study on hypoglycaemic potency of dried fruits of Eucalyptus globules and rhizomes of Curcuma zedoaria. Biomed Oct-Dec 2009: 4(4); 405-410.
- IV. Karunasree, K. Thejomoorthy, M. Jaffar, Y. Padmanabha Reddy, P. Ramalingam. In-Vitro protein binding study of Ciprofloxacin by new UV Spectrophotometric method. International journal of PharmTech and Research. April-June 2010: 2(2); 1150-1154.
- V. E.Vigneshwaran, Y. Padmanabha Reddy, N. Devanna, M. Jaffar Sadiq, B.Manoj Kumar, S. Rubia, Y. Samhitha Reddy. Evaluation of Barriers in Condom Use – A Cross Sectional Survey. International Journal of Research in Pharmaceutical and Biomedical Sciences. April-June 2011: 2(2); 510-515.
- VI. Jaffar SM, Chandrasekhar KB, Padmanabha RY, Bushra S. Assessment of Nigella Sativa Induced Adverse drug reactions. Indian Journal of Pharmacy Practice. Apr – Jun 2013: 6(2);34 – 37.
- VII. Pawar V, Krishna S N, Narayana G, Sadiq J and Thomas D. A Possible case of Filgrastim Induced Death. Indian Journal of Pharmacy Practice. Jul – Sep 2012: 5(3); 79 – 80.
- VIII. Vigneshwaran E, Padmanabha Reddy, Devanna N, Jaffar Sadiq M, Manoj Kumar B, Gerardo Alvarez Uria. Assessment of knowledge about HIV/AIDS among Public – A Rural perspective of South India. Asian Journal of Pharmaceutical and Health Science. Nov – 2011: 1(4); 154 – 157.
- IX. M Jaffar Sadiq, E Vigneshwaran, S Shareen Taj, B Srinath, Y Padmanabha Reddy, K B Chandrasekhar. A Study on Antiepileptic activity of Eugenol excluded aqueous extract fo Eugenia Caryophyllus. Journal of Advances in Drug Research. June 2011: 1(2); 55 – 59.
- X. Jaffar Sadiq M, Padmanabha Reddy Y, kalava Balaji, Narayana G. A Study on antidepressant activity of eugenol excluded clove extract. Research journal of Pharmaceutical, Biological and Chemical Sciences. April – June 2012: 3(2); 632 – 638.
- XI. S Pavan Kumar Raju, V Ramakrishna, R Raghavendra Kumar, P Praveen Reddy, K Gayathri, G Anjaneyulu, M Jaffar Sadiq. A Study on Anti Hyperlipidaemic activity of Helianthus Annus in Rats on High Fat Diet. Research Journal of Pharmaceutical, Biological and Chemical Sciences. April – June 2012: 3(2); 787 – 794.

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- XII. M Jaffar Sadiq, K B Chandrasekhar, Y Padmanabha Reddy. A Comparative study on Antihyperglycemic potency of various solvents extracts of seeds of Nigella Sativa. PHARMANEST – An International Journal of Advances in Pharmaceutical Sciences. Sep – Oct 2012: 3(5); 380 – 385.
- XIII. M Jaffar Sadiq, Bheemachari, Shiv Kumar, E Vigneshwaran, Kalava Balaji. A Study on Antidiabetic potency of mixtures of powder of dried fruits of Eucalyptus globules and Rhizomes of Curcuma Zedoria. Research journal of Pharmaceutical, Biological and Chemical Sciences. July – Sep 2011: 2(3); 326 – 332.

20. Areas of consultancy and income generated: Not Applicable

21. Faculty as members in

| | |
|--|--|
| Mr. S. Nagarjuna Dr. K. Somasekhar Reddy Dr. M. Jaffar Sadiq Mr. B. Pradeep Kumar Mr. A. Sudheer | Life Members - Indian Pharmaceutical Association (IPA) Life Members - International Society for Pharmacoeconomics and Outcomes Research, India Andhra Pradesh Chapter |
| Dr. M. Jaffar Sadiq | Member - Association of Pharmacy Teachers India (APTI) Member - Associate Editor. RIPER PDIC Bulletin Director - International Society for Pharmacoeconomics and Outcomes Research, India Andhra Pradesh Chapter |

22. a) Percentage of students who have done in-house projects including inter departmental/programme: 100

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

Mr. S. Nagarjuna, secured Best Research Work Poster Presentation in a Two day national seminar on scope and prospective on industry-institution interaction held at Sree Vidyanikethan College of pharmacy, Tirupathi 20th and 21st September-2014. Sree Vidyanikethan College of pharmacy, Tirupathi.

Mr. S. Nagarjuna acted as a resource person in seminars/conferences in various pharmacy institution.

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Dr. Jaffar Sadiq acted as a speaker in International Society of Pharmacoeconomics and Outcomes Research (ISPOR) conference organized by RIPER.

24. List of eminent academicians and scientists / visitors to the department

- xvi. Dr. Gopal Rao, Vice Principal, College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, Tamil Nadu
- xvii. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- xviii. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- xix. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- xx. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- xxi. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd

25. Seminars/ Conferences/Workshops organized & the source of funding

Department of Pharmacology organized one day National Seminar on Current Trends and Future Perspectives in Pharmacology and Pharmaceutical Research, in association with IPA Anantapuramu Local Branch and RIPER, Date: 14th March 2015 – Saturday

26. Student profile programme/course wise

| S. No | Program | Year of Admission | Year of Completion | Students enrolled | | | Pass % |
|-------|--------------------------|-------------------|--------------------|-------------------|----|-------|--------|
| | | | | M | F | Total | |
| 01 | M. Pharmacy Pharmacology | 2010 | 2012 | 12 | 06 | 18 | 100 |
| 02 | M. Pharmacy Pharmacology | 2011 | 2013 | 10 | 08 | 18 | 100 |
| 03 | M. Pharmacy Pharmacology | 2012 | 2014 | 8 | 4 | 12 | 100 |
| 04 | M. Pharmacy Pharmacology | 2013 | 2015 | 3 | 4 | 07 | 100 |

27. Diversity of Students (Department of Pharmaceutical Analysis & Quality Assurance)

| Year | % of students from the same state | % of students from other States | % of students from abroad |
|------|-----------------------------------|---------------------------------|---------------------------|
| 2010 | 100 | NIL | NIL |
| 2011 | 100 | NIL | NIL |
| 2012 | 96 | 2 | 2 |
| 2013 | 95 | NIL | 5 |

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28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGECET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |
| Government University | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University (others) | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

29. Student Progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | |
| 2009 | 72 |
| 2010 | 75 |
| 2011 | 70 |
| 2012 | 75 |
| PG to Ph.D. | |
| 2010 | 20 |
| 2011 | 15 |
| 2012 | 20 |
| Entrepreneurship/Self-employment | |
| 2010 | 25 |
| 2011 | 30 |
| 2012 | 25 |

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30. Details of Infrastructural facilities a) Library, b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings During working day Week end and Vocation | 09.00 am to 5.00 pm 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

- Internet Service Facilities Yes
- Name of the Internet provider BSNL Broadband
- Available bandwidth 10 Mbps
- Access speed 5 Mbps
- Availability of Internet in an exclusive lab YES
- Availability in most computing labs YES
- Availability in departments and other units YES - Wi-Fi
- Availability in faculty rooms Wi-Fi
- Institute's own e-mail facility to faculty/students No
- Security/privacy to e-mail/Internet users No
- E-library is made available to students and faculty to browse various journals and books.
- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software's (QbD and Clinical Pharmacology)

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- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.

Facilities available in Division of Pharmacology

| | |
|---------------------------------------|-----------------------------|
| Total area excluding faculty chambers | 21m 75cm (L) & 7m 60cm (W) |
| HOD Chamber | 3m 10cm (L) & 3m 92cm (W) |
| Faculty Chamber | 3m 5cm (L) & 3m 92cm (W) |
| Total area including faculty chambers | 24m 85cm (L) & 11m 52cm (W) |
| Anatomy and Physiology department | |
| Total area | 11m 80cm (L) & 7m 61cm (W) |

| S.No | Name of the Instrument | Make |
|------|-------------------------------|------------|
| 01 | Tail flick apparatus | INCO |
| 02 | Eddy's Hot plate | INCO |
| 03 | Semi auto analyzer | ERBA |
| 04 | Digital Plethysmometer | INCO |
| 05 | Digital Physiograph | INCO |
| 06 | Tissue Homogenizer | REMI |
| 07 | Electroconvulsometer | SINGHLA |
| 08 | Rotarod apparatus | INCO |
| 09 | Swim test apparatus | INCO |
| 10 | Metabolic cage | INCO |
| 11 | Actophoto meter | INCO |
| 12 | Pole climb response apparatus | INCO |
| 13 | Rotating drum | INCO |
| 14 | Organ bath | INCO |
| 15 | Digital Rotating drum | ORCHID |
| 16 | Digital Organ bath | ORCHID |
| 17 | Centrifuge | REMI |
| 18 | Micro centrifuge | REMI |
| 19 | Digital colorimeter | SYSTRONICS |

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| | | |
|----|--------------------|------------|
| 20 | Digital HB meter | SYSTRONICS |
| 21 | Analytical balance | LC-GC |
| 22 | Elevated plus maze | Own made |
| 23 | Hole board | Own made |
| 24 | Stair case | Own made |
| 25 | Y-Maze | Own made |

31. Number of students receiving financial assistance from college, university, government or other agencies

Students of the institution receive financial assistance as per norms of Govt of Andhra Pradesh.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

33. Teaching methods adopted to improve student learning

- Smart board teaching-learning process.
- Evidence based medicine teaching-learning process.
- Reflective learning
- Simulations
- Problem based learning (PBL)
- Student assisted teaching (SAT)
- Self directed learning and skills development (SDL)
- Teaching-learning process by referring the structured steps, firstly involving tertiary sources, followed by secondary and primary sources.
- Assessing student's observation about teaching content by open-ended questions.
- Use of model specimen, charts in explaining the subjects.
- Conducting mock presentations
- Conducting drug club, journal club.

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- Conducting case presentation.
- Workshops on instrumentation.
- Conducting regular seminar presentations
- Assignments submission by students
- Beyond syllabus teaching process
- Viva-voice
- Internal Examinations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participations in all National Service Scheme Programmes.

35. SWOC analysis of the department and Future plans

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.

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5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.
6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.
7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.
8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc
9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

Evaluation Report of Department of Pharmacy Practice

- | | |
|---|-------------------|
| 1. Name of the Department: | Pharmacy Practice |
| 2. Year of Establishment: | |
| B. Pharmacy | 2002 |
| M. Pharmacy | |
| Pharmaceutical Analysis and Quality Assurance | 2008 |
| Pharmaceutics | 2009 |
| Pharmacology | 2009 |
| Pharmacy Practice | 2013 |
| Pharm. D (Doctor of Pharmacy) | 2008 |
| Pharm. D (Doctor of Pharmacy – Post Baccalaureate) | 2009 |
| Doctorate in Philosophy (PhD) | 2013 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) | |
| UG B. Pharmacy | |

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PG M. Pharm in Pharmaceutical Analysis and Quality Assurance

M. Pharm in Pharmaceutics

M. Pharm in Pharmacology

M. Pharm in Pharmacy Practice

Pharm. D

Pharm. D (Post Baccalaureate)

Ph.D Ph.D in Pharmaceutical Sciences

4. Names of Interdisciplinary courses and the departments/units involved: NIL

5. Annual/ semester/choice based credit system (programme wise)

B. Pharmacy Semester wise

M. Pharmacy Semester wise

Pharm. D Annual

Pharm. D (PB) Annual

Ph.D Annual

6. Participation of the department in the courses offered by other departments

M. Pharm. Pharmaceutical Analysis and Quality Assurance

M. Pharm. Pharmaceutics

M. Pharm. Pharmacology

B. Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | -- | -- |
| Associate Professors | -- | 2 |
| Asst. Professors | -- | 6 |

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10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|--------------------------|-------------------|------------------------------|-------------------|----------------------------|---|
| Dr. E. Vigneshwaran | M. Pharm., PhD | Associate Professor and Head | Pharmacy Practice | 07 | -- |
| Mr. G. Narayana | M. Pharm., (Ph.D) | Associate Professor | Pharmacy Practice | 07 | -- |
| Dr. Mohanraj Rathinavelu | Pharm. D | Assistant Professor | Pharmacy Practice | 04 | -- |
| Dr. Y. Samhitha Reddy | Pharm. D | Assistant Professor | Pharmacy Practice | 01 | -- |
| Dr. B. Raja Rajeswari | Pharm. D | Assistant Professor | Pharmacy Practice | 01 | -- |
| Dr. B. Manoj Kumar | Pharm. D | Assistant Professor | Pharmacy Practice | 01 | -- |
| Dr. Soumadip Das | Pharm. D | Assistant Professor | Pharmacy Practice | 01 | -- |
| Dr. P.T. Priyanka | Pharm. D | Assistant Professor | Pharmacy Practice | 01 | -- |

11. List of Senior Visiting Faculty

Dr. Maruthi Prasad, Head Ascendra Health Technologies, U S A

Dr. Ramalingam Peraman, Professor, UAE

Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P

Dr. Gopal Rao, Vice Principal, COP, SRIPMS, Coimbatore, Tamil Nadu

Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University

Mr. Jagadeewara Reddy, Drug safety officer, Lupin Ltd., Mumbai

Dr. Anil Kumar, CEO, Bio Axis DNA Research Centre Pvt Ltd

Dr. Sateesh. Rph USA, Dean & Associate Professor, Vignan College of Pharmacy

Dr. Rajan Shukla, Assoc Professor, IIPH, Hyderabad

Dr. David Danko, Research Leader, Corvinus University, Hungary

Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd

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Mr. Chandra Shekar, Corporate Trainer, Bangalore

Dr. G. P. Mohantha, Professor and Head, Dept of Pharmacy Practice, Annamalai University, Tamil Nadu

Dr. Sriram Shanmugam, Professor and Head, Dept of Pharmacy Practice, College of Pharmacy, SRIPMS, Coimbatore, Tamil Nadu

Dr. Adepu Ramesh. Head - IPA Hospital Division

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: - Not Applicable -

13. Student -Teacher Ratio (programme wise)

B. Pharmacy - 15:1

M. Pharmacy - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Totally 4 for both B. Pharmacy and M. Pharmacy

15. Qualifications of teaching faculty with D.Sc/ D.Lit/ Ph.D/ MPhil / PG

PhD qualified Faculty: 01

PG qualified Faculty: 07

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: YES, First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences .

19. Research Publications

Dr. Vigneshwaran Eshwaran

- I. E. Vigneshwaran, K. Vijayan, Suchandra Sen, Quality of life of Parkinson's patients on add - on entacapone therapy at a multispecialty hospital in India, Indian Journal of Hospital Pharmacy, 2014:51, 38 - 40.
- II. E.Vigneshwaran, Y.PadmanabhaReddy, N. Devanna, Drug information services to HIV/AIDS care and support centre in resource limited settings, Asian Journal of Pharmaceutical and Clinical Research. 2013, Vol 6, Suppl 4, 175 - 178.
- III. E.Vigneshwaran, Y.PadmanabhaReddy, N. Devanna, Enhancing quality of life and medication adherence through patient education and counseling among HIV/AIDS patients in resource limited settings - pre and post interventional pilot trial, British Journal of Pharmaceutical Research, 2013:3(3), 485 - 495
- IV. E.Vigneshwaran, Y.PadmanabhaReddy, N. Devanna "Development and validation of patient information leaflet for HIV/AIDS patients" Indian Journal of Pharmacy Practice, 2013:6(1) 41 - 46.
- V. K.H.Ushadevi, S.Rubiya, E.Vigneshwaran, Y.Padmanabha Reddy, "Drug use evaluation of antihypertensive medications in out patients in a secondary care hospital" Asian Journal of Pharmaceutical and Clinical Research. 2013:6 (2) 72 - 74.
- VI. E.Vigneshwaran, Y.PadmanabhaReddy, N. Devanna, Gerardo Alvarez - uria, Gender differences in health related quality of life of people living with HIV/AIDS in the era of highly active antiretroviral therapy" North American Journal of Medical Sciences, 2013:5(2) 102 - 107.
- VII. U.Sushitha, M.P.Srujana, E.Vigneshwaran, Y.Padmanabha Reddy, "Self medication practices - perspective of rural South India" International Journal of Community Pharmacy, 2012.

- VIII. K.Aishwaryalakshmi, B.Sasikala, N.Sreelalitha, E.Vigneshwaran, Y.Padmanabha Reddy "Assessment of knowledge, perception and attitudes on medications in general population" Indian Journal of Pharmacy Practice, 2012: 5 (3) 75 - 78
- IX. N.Sreelalitha, E.Vigneshwaran, G.Narayana, Y.Padmanabha Reddy, M.Ramakesava Reddy "Identification and assessment of the infusion related reactions of medications" Indian Journal of Pharmacy Practice, 2012:5(2) 38 - 43.
- X. N.Sreelalitha, E.Vigneshwaran, G.Narayana, Y.PadmanabhaReddy, M.Ramakesava Reddy, "Review of pharmaceutical care services provided by the pharmacists" International Research Journal of Pharmacy, 2012:3(4) 78 - 79.
- XI. E.Vigneshwaran, Y.Padmanabha Reddy, N.Devanna, M.Jaffar Sadiq, B.Manojkumar, S.Rubia, Y.Samhitha Reddy"Evaluation of barriers in condom use - A cross sectional survey" International Journal of Research in Pharmaceutical and Biomedical Sciences, 2011:2(2),510 - 515
- XII. E.Vigneshwaran, Y.Padmanabha Reddy, N.Devanna, M.Jaffar Sadiq, B.Manojkumar, Gerardo Alvarez - uria, "Assessment of knowledge about HIV/AIDS among public - A rural perspective of South India" Asian Journal of Pharmaceutical and Health Sciences, 2011:4(1),154 - 157.
- XIII. M Jaffar Sadiq, Bheemachari, Shiv Kumar, E.Vigneshwaran, Kalava Balaji "A study on antidiabetic potency of dried powder mixture of dried fruits of eucalyptus globules and rhizomes of curcuma zedoaria" Research Journal of Pharmaceutical biological and Chemical Sciences. 2011:2(3), 326 - 332
- XIV. M.Jaffar sadiq, E.Vigneshwaran, S.Shareen Taj, B.Srinath, Y.Padmanabha Reddy, K.B.Chandrasekhar "A study on antiepileptic activity of eugenol excluded aqueous extract of Eugenia caryophyllus"Journal of Advanced Drug Research 2011:1(2).

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Mr. G. Narayana

- I. N.Sreelalitha, E.Vigneshwaran, G.Narayana, Y.Padmanabhareddy, M.Ramakesavareddy "Identification and assessment of the infusion related reactions of medications" Indian journal of pharmacy practice, 2012:5(2) 38 - 43.
- II. N.Sreelalitha, E.Vigneshwaran, G.Narayana, Y.Padmanabhareddy, M.Ramakesava Reddy, "Review of pharmaceutical care services provided by the pharmacists" International research journal of pharmacy, 2012:3(4) 78 - 79.
- III. Jaffar Sadiq M, Padmanabha Reddy Y, Kavala Balaji, Narayana G "A study on antidepressant Activity of Eugenol Excluded Clove Extract" Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2012:3(4)632
- IV. K. Balaji, G. Narayana, M, Sudheer, K.V. Hima Vani, A. Padma, "Assessment of Iodine Deficiency by Analysing Urinary Iodine Levels" International Journal of PharmTech Research CODEN (USA), 2010:2(4) 2357-2363

Dr. Mohanraj Rathinavelu

- I. IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS), e-ISSN: 2278-3008, p-ISSN: 2319-7676. Volume 9, Issue 2 Ver. V (Mar-Apr. 2014), PP 01-07
- II. www.iosrjournals.org. Assessment of Antibiotic Use in a Secondary Care Referral Hospital of South India
- III. Dipak. D. Bharambe , Dr. Mohanraj Rathinavelu, Dr. Dixon Thomas,, Dr. Y. Padmanabha Reddy, IOSR Journal Of Pharmacy, (e)-ISSN: 2250-3013, (p)-ISSN: 2319-4219, www.iosrphr.org Volume 4, Issue 8 (August 2014), PP. 37-4237, Epidemiology of Poisoning and Perception towards Poison Management Guidelines in Pediatricians of a Rural Children's Hospital in India
- IV. N. Jagadeesh*, Balaiah. S, Dr.Mohanraj. R , Dr.Y.Padmanabha Reddy, Mintage journal of Pharmaceutical & Medical Sciences, 4-6. Vol 3 Suppl 2, May 2014 www.mintagejournals.com. Prevalence of Childhood Illness in Draught Prone Villages of South India

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

- V. Vamsi Krishna.B, Dr.Mohanraj Rathinavelu, Dr. Y. Padmanabha Reddy. WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES. Volume 3, Issue 5, 1032-1043. Research Article ISSN 2278 - 4357. Estimation of Osteoporosis Risk Among Women Attending Orthopaedic Clinics in South India
- VI. Suresh Chenchu, Dr. Mohanraj Rathinavelu. International Journal of Science and Research (IJSR), ISSN (Online): 2319-7064. Volume 3 Issue 10, October 2014. Healthcare Professionals Knowledge Attitude and Practices towards Pharmacovigilance and Adverse Drug Reactions (ADRS) in India
- VII. Balaiah. S, Tirupa. M, Dr. Mohanraj. R, Dr. Y. Padmanabha Reddy, International Journal of Pharmacy and Pharmaceutical Sciences, ISSN- 0975-1491 Vol 6, Issue 7, 2014. Assessment of Pharmaceutical Care Services on Health Related QoL in Patients with Type 2 Diabetes Mellitus - A Prospective Interventional Study
- VIII. Venkateswara Rao, Dr. Y. Padmanabha Reddy, Dr. Mohanraj Rathinavelu, Int J. Pharm. & H. Care Res., Vol - 02 (04) 2014 [198-204]. A Pharmacovigilance Study in the Department of Chest & Tuberculosis on Anti-Tubercular Therapy in a Tertiary Care Teaching Hospital of South India
- IX. Bijoy Thomas, Leo Matthew, Jerrin Jose, Mohanraj Rathinavelu, Sriram Shanmugam, Krishna Kumar. Asian J Pharm Clin Res, Vol 7, Issue 5, 2014, 155-159. Assessment of Antibiotic Sensitivity Pattern of Microorganisms and their Cost-Effectiveness at a Private Corporate Hospital in South India.

Dr. Y. Samhitha Reddy

Y. Padmanabha Reddy, N. Devanna, B.Manoj Kumar,Y. Samhitha Reddy. International Journal of Research in Pharmaceutical and Biomedical Sciences. April-June 2011: 2(2); 510-515. Evaluation of Barriers in Condom Use - A Cross Sectional Survey.

Dr. B. Raja Rajeswari

Dr.Rajarajeshwari Byram, Dr.Dixon Thomas, Dr.Shanmugamari Kannan, Seeba Zachariah, Journal of Clinical and Diagnostic Research. Cost-analysis of the WHO

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Essential Medicines List in A Resource-Limited Setting: Experience from A District Hospital in India.

Dr. B. Manoj Kumar

Manoj Kumar B, Gerardo Alvarez Uria. Journal of Pharmaceutical and Health Science. Nov - 2011: 1(4); 154 - 157. Assessment of knowledge about HIV/AIDS among Public - A Rural perspective of South India.

Dr. Soumadip Das

- I. Soumadip Das, Rajat Rana, Aravinda Swami, C K Dhanapal, Sandra Leal. International journal of pharmacy. A Metaanalysis Of Taxanes, Antitumor Antibiotics And Platinum Containing Chemotherapy Regimens In The Management Of Metastatic Breast Cancer
- II. Dr Rajat Rana, SappaDilip Kumar, Dr Soumadip Das, Dr Aravinda Swami, Dr Doreen Pon, Dr K K Perumal. Journal of medical science and clinical research. Meta-Analysis of Ado-Trastuzumab Emtansine in Patients with HER2- Positive Advanced Metastatic Breast Cancer.
- III. Rajat Rana, Soumadip Das, American journal of pharmacy and health research. Overall Survival & Tumour response rate in Metastatic Breast cancer Chemotherapy
- IV. Rajat Rana, Soumadip Das, Aravinda Swami, Doreen Pon, S. Ramesh, SappaDilip Kumar. Asian journal of medical sciences. Strategic therapeutic approaches to overcome emerging dual SRC/ABL kinase inhibitors resistances in chronic phase Ph positive chronic myeloid leukemia

20. Areas of consultancy and income generated: Not Applicable

21. Faculty as members in

| | |
|--|--|
| Dr. E. Vigneshwaran Mr. G. Narayana Dr. Mohanraj Rathinavelu Dr. Y. Samhitha Reddy Dr. B. Manoj Kumar Dr. B. Raja Rajeswari Dr. Soumadip Das | Life Members - Indian Pharmaceutical Association (IPA) Life Member - International Society for Pharmacoeconomics and Outcomes Research, India Andhra Pradesh Chapter |
|--|--|

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| | |
|---|--|
| Dr. P.T. Priyanka | |
| Dr. E. Vigneshwaran Dr. Mohanraj Rathinavelu Dr. Y. Samhitha Reddy | Member - International Pharmaceutical Federation (FIP) |
| Dr. E. Vigneshwaran Dr. Mohanraj Rathinavelu Dr. Y. Samhitha Reddy Dr. B. Manoj Kumar | Member - International Society for Pharmacoeconomics and Outcomes Research (ISPOR). USA |
| Dr. E. Vigneshwaran | Member - Association of Pharmacy Teachers India (APTI) Editor - RIPER PDIC BULLETIN President Elect - ISPOR: India AP Chapter |
| Dr. Mohanraj Rathinavelu | Hon' Secretary - IPA Anantapuramu Division Secretary and Treasurer - ISPOR: India AP Chapter Editorial Board Member - JMSCR and IOSI Associate Editor - RIPER PDIC BULLETIN |
| Mr. G. Narayana | Associate Editor - RIPER PDIC BULLETIN Director - ISPOR: India AP Chapter |
| Dr. Y. Samhitha Reddy Dr. B. Manoj Kumar Dr. B. Raja Rajeswari Dr. Soumadip Das Dr. P.T. Priyanka | Members - Editorial Member, RIPER PDIC BULLETIN |

22. a) Percentage of students who have done in-house projects including inter departmental/programme: 70

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 30

23. Awards / Recognitions received by faculty and students

Dr. Vigneshwaran Eshwaran

Attended ISPOR 6th Asia Pacific conference held at Beijing, China on 6 -9 September, organized by International society for pharmacoeconomics and outcomes research (ISPOR), co-organized by ISPOR Asia consortium and China pharmaceutical association pharmacoeconomics society by getting an award of 2014 ISPOR international meeting travel scholarship award.

Represented ISPOR - India Andhra Pradesh chapter at health net india meeting during the proceedings of ISPOR 6th Asia pacific conference.

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Represented India and presented draft pharmacoeconomics guidelines for India at Asia consortium meeting during the proceedings of ISPOR 6th Asia Pacific conference.

Dr. Mohanraj Rathinavelu

21 Conference proceedings in OMICS groups of conference 2014 Hyderabad, with two best research presentations

Research Paper awarded in American College of Clinical Pharmacist (ACCP) - Virtual Symposium presentation.

24. List of eminent academicians and scientists / visitors to the department

Dr. Maruthi Prasad, Head Ascenthra Health Technologies, U S A

Dr. Ramalingam Peraman, Professor, UAE

Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P

Dr. Gopal Rao, Vice Principal, COP, SRIPMS, Coimbatore, Tamil Nadu

Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University

Mr. Jagadeewara Reddy, Drug safety officer, Lupin Ltd., Mumbai

Dr. Anil Kumar, CEO, Bio Axis DNA Research Centre Pvt Ltd

Dr. Sateesh. Rph USA, Dean & Associate Professor, Vignan College of Pharmacy

Dr. Rajan Shukla, Assoc Professor, IIPH, Hyderabad

Dr. David Danko, Research Leader, Corvinus University, Hungary

Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd

Mr. Chandra Shekar, Corporate Trainer, Bangalore

Dr. G. P. Mohantha, Professor and Head, Dept of Pharmacy Practice, Annamalai University, Tamil Nadu

Dr. Sriram Shanmugam, Professor and Head, Dept of Pharmacy Practice, College of Pharmacy, SRIPMS, Coimbatore, Tamil Nadu

Dr. Adepu Ramesh. Head - IPA Hospital Division

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25. Seminars/ Conferences/Workshops organized & the source of funding

- I. National Level Seminar on “Pragmatic View On Pharmacovigilance And Therapeutic Outcome”, May 5th 2015., organized by Raghavendra Institute of Pharmaceutical Education & Research in association with IPA Ananthapuramu local branch and (ISPOR) International Society for Pharmacoeconomics & Outcomes Research - India Regional Chapter.
- II. National Level Seminar on Healthcare and Outcomes Research 27th December 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- III. Indo - European Symposium on Pharmacoeconomics Policies 3rd March 2014, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- IV. National Workshop on Methodology Development in Healthcare Research 30th November 2013, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- V. National Conference on Patient Reported Outcomes in Pharmacovigilance 24th March 2013 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P.
- VI. International Conference on Pharmacoeconomics and Good Pharmacy Practice 13th - 14th October 2012, organized by Raghavendra Institute of Pharmaceutical Education and Research - RIPER in association with International Society for Pharmacoeconomics & Outcomes Research (ISPOR) - India Andhra Pradesh Chapter and RDT Hospitals Bathalapalli, Anantapur, A. P..

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- VII. National Workshop on Clinical Practice & Research – Through Pharm.D Education 9th – 10th July 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with Indian Pharmaceutical Association (IPA) – Community Pharmacy Division and RDT Hospitals Bathalapalli, Anantapur, A. P.
- VIII. National Seminar on Professionalism through Pharm D Education 9th April 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, AP.
- IX. Seminar on Evidence Based Clinical Practice 18th March 2011, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India..
- X. Continuing Nursing Education for RDT Nurses “Patient Safety – Dose Calculations” 30th October 2010 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India.
- XI. Continuing Nursing Education for RDT Nurses “Patient Safety – Medication Errors 22 September 2010 organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India
- XII. Workshop on “Pharm D – Global Perspectives” In RIPER & RDT Hospital Auditoriums 20th – 21st August 2010, organized by Raghavendra Institute of Pharmaceutical Education & Research (RIPER) in association with RDT Hospitals Bathalapalli, Anantapur, Andhra Pradesh., India.

26. Student profile programme/course wise

| Year / Batch | Course | Students appeared | Male | Female | % of pass |
|--------------|---------------|-------------------|------|--------|-----------|
| 2014-15 | Pharm. D | 178 | 85 | 93 | 100 |
| 2013-14 | Pharm. D | 176 | 80 | 96 | 100 |
| 2012-13 | Pharm. D | 175 | 81 | 94 | 100 |
| 2011-12 | Pharm. D | 175 | 79 | 96 | 100 |
| 2014-15 | Pharm. D (PB) | 16 | 8 | 8 | 100 |
| 2013-14 | Pharm. D (PB) | 22 | 17 | 5 | 100 |
| 2012-13 | Pharm. D (PB) | 22 | 17 | 5 | 100 |
| 2011-12 | Pharm. D (PB) | 26 | 19 | 7 | 100 |
| 2014-15 | M. Pharmacy | 6 | 4 | 2 | 100 |

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| | | | | | |
|---------|-------------------------------|---|---|----|-----|
| | Pharmacy Practice | | | | |
| 2013-14 | M. Pharmacy Pharmacy Practice | 1 | 1 | -- | 100 |

27. Diversity of Students (Department of Pharmaceutical Analysis & Quality Assurance)

| Year | % of students from the same state | % of students from other States | % of students from abroad |
|------|-----------------------------------|---------------------------------|---------------------------|
| 2014 | 94 | 1 | 5 |
| 2013 | 98 | NIL | 2 |
| 2012 | 100 | NIL | NIL |
| 2011 | 100 | NIL | NIL |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGE CET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |
| Government University | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University (others) | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

29. Student Progression

| Student progression | Against % enrolled |
|---------------------|--------------------|
| UG to PG | |
| 2009 | 72 |
| 2010 | 75 |
| 2011 | 70 |
| 2012 | 75 |

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30. Details of Infrastructural facilities a) Library, b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings During working day Week end and Vocation | 09.00 am to 5.00 pm 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

- Internet Service Facilities Yes
- Name of the Internet provider BSNL Broadband
- Available bandwidth 10 Mbps
- Access speed 5 Mbps
- Availability of Internet in an exclusive lab YES
- Availability in most computing labs YES
- Availability in departments and other units YES - Wi-Fi
- Availability in faculty rooms Wi-Fi
- Institute's own e-mail facility to faculty/students No
- Security/privacy to e-mail/Internet users No
- E-library is made available to students and faculty to browse various journals and books.
- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software's (QbD and Clinical Pharmacology)

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- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.
- The Department of Pharmacy Practice is an academic department within Raghavendra Institute of Pharmaceutical Education & Research (RIPER). The department of Pharmacy Practice in RIPER was established in the year 2008, in MoU (Memorandum of Understanding) with Rural Development Trust Hospitals (RDT) Bathalapalli, under the dynamic guidance of Dr. Y. Padmanabha Reddy Professor & Principal, RIPER and the most dynamic healthcare team of Rural Development Trust Hospital (RDT) Bathalapalli, to smoothen the progress of pharmacist centred patient care assisting the team of healthcare professionals both efficiently & resourcefully.
- The department is also a service unit that provides pharmacy services within the RDT Hospital and affiliated sites. Among the most comprehensive units of its type India, the Department is composed of faculty and staff who are teachers, scholars and / or practitioners.
- The Wi-Fi campus of department of pharmacy practice in RIPER & RDT Hospitals is facilitated with airy, spacious class rooms and lecture hall, library, electronic database (Clinical Pharmacology), Internet, poison and drug information centre. The students are exposed to highly qualified faculty with reach and varied academic, research and clinical backgrounds.

31. Number of students receiving financial assistance from college, university, government or other agencies

Students of the institution receive financial assistance as per norms of Govt of Andhra Pradesh.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

33. Teaching methods adopted to improve student learning

- Smart board teaching-learning process.
- Evidence based medicine teaching-learning process.
- Reflective learning
- Simulations
- Problem based learning (PBL)
- Student assisted teaching (SAT)
- Self directed learning and skills development (SDL)
- Teaching-learning process by referring the structured steps, firstly involving tertiary sources, followed by secondary and primary sources.
- Assessing student's observation about teaching content by open-ended questions.
- Use of model specimen, charts in explaining the subjects.
- Conducting mock presentations
- Conducting drug club, journal club.
- Conducting case presentation.
- Workshops on instrumentation.
- Conducting regular seminar presentations
- Assignments submission by students
- Beyond syllabus teaching process
- Viva-voice
- Internal Examinations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participations in all National Service Scheme Programmes.

35. SWOC analysis of the department and Future plans

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards

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and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.

5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.

6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.

7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.

8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc

9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

Evaluation Report of Department of Pharmaceutical Chemistry

1. Name of the Department: Pharmaceutical Chemistry.
2. Year of Establishment:

| | |
|--|------|
| B. Pharmacy | 2002 |
| M. Pharmacy | |
| Pharmaceutical Analysis and Quality Assurance | 2008 |
| Pharmaceutics | 2009 |
| Pharmacology | 2009 |
| Pharmacy Practice | 2013 |
| Pharm. D (Doctor of Pharmacy) | 2008 |
| Pharm. D (Doctor of Pharmacy – Post Baccalaureate) | 2009 |
| Doctorate in Philosophy (PhD) | 2013 |
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

| | |
|------|---|
| UG | B. Pharmacy |
| PG | M. Pharm in Pharmaceutical Analysis and Quality Assurance |
| | M. Pharm in Pharmaceutics |
| | M. Pharm in Pharmacology |
| | M. Pharm in Pharmacy Practice |
| | Pharm. D |
| | Pharm. D (post baccalaureate) |
| Ph.D | Ph.D in Pharmaceutical Sciences |
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise)

| | |
|---------------|---------------|
| B. Pharmacy | Semester wise |
| M. Pharmacy | Semester wise |
| Pharm. D | Annual |
| Pharm. D (PB) | Annual |
| Ph.D | Annual |

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6. Participation of the department in the courses offered by other departments

M. Pharm. Pharmacology

M. Pharm. Pharmaceutics

M. Pharm. Pharmacy Practice

M. Pharm. Pharmaceutical Analysis and Quality Assurance

B. Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | -- | 1 |
| Associate Professors | -- | 1 |
| Asst. Professors | -- | 4 |

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|------------------------|-------------------|---------------------|--------------------------|----------------------------|---|
| Dr. M.V. Jyothi | M. Pharm., PhD | Professor and Head | Pharmaceutical Chemistry | 11 | 1 |
| Mrs. M. Geethavani | M. Pharm., (Ph.D) | Associate Professor | Pharmaceutical Chemistry | 15 | -- |
| Mr. A.S. Mansoor Ahmed | M. Pharm., (Ph.D) | Assistant Professor | Pharmaceutical Chemistry | 6 | -- |
| Mrs. U. Usharani | M. Pharm | Assistant Professor | Pharmaceutical Chemistry | 4 | -- |
| Mr. C. Naresh Babu | M. Pharm | Assistant Professor | Pharmaceutical Chemistry | 3 | -- |
| Mrs. S. Triveni | M. Pharm | Assistant Professor | Pharmaceutical Chemistry | 3 | -- |

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11. List of Senior Visiting Faculty

- xiv. Mr. M. VenkataRao Associate Professor, Tirupathi
- xv. Mr. Prasanna Kumar, Reliance Pharmaceuticals
- xvi. Mr. Hari Hara Teja, Drug Inspector, Ananthapuramu
- xvii. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- xviii. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- xix. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd
- xx. Mr. Chandra Shekar, Corporate Trainer, Bangalore
- xxi. Dr. H. Abdul Ahad, Professor and Principal, Balaji College of Pharmacy, Anantapuramu

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: - Not Applicable -

13. Student -Teacher Ratio (programme wise)

B. Pharmacy - 15:1

M. Pharmacy - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Totally 4 for both B. Pharmacy and M. Pharmacy

15. Qualifications of teaching faculty with D.Sc/ D.Lit/ Ph.D/ MPhil / PG

PhD qualified Faculty: 01

PG qualified Faculty: 05

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: YES, First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences .

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19. Research Publications

Dr. M. V. Jyothi

| Research Title | Journal | Authors | Details of Publication |
|---|--|---|---|
| Validated HPLC method development for simultaneous estimation of Irinotecan HCl & capcetabine in bulk form | Journal of chromatographic sciences | M .Vijaya jyothi, K. Manogna, K.Praneeth Kumar reddy | Accepted to publish in November issue Manusript no: JCS-14-482, International free open peer review journal with IF-1.9 |
| Development & validation of UV spectrophotometric method for the estimation of Hydrochlorthiazide& propranolol in bulk& formulation by simultaneous estimation simultaneous equation method | International journal of pharmaceutical chemical & biological sciences | M.Vijaya jyothi K. yaswanth Kumar S .Asif Basha | Accepted to publish in JULY issue Manusript no: JCS-14-482, International journal indexed in |
| Synthesis, Characterization and Evaluation of Anti-tubercular, Anti-inflammatory and Anti-microbial Activities of Newer Hydrazones | Inventi Rapid: Med Chem | Vijaya Jyothi M, Naresh Babu C, Praneeth Kumar Reddy K, Ashwini T | Inventi Rapid: Med Chem Vol. 2014, Issue 4, ISSN - 0976-3821, Impact factor - 1 |
| Synthesis, Characterisation and Antimicrobial Activity Evaluation of Novel Oxazines and Thiazines | Inventi Rapid: Med Chem | Vijaya Jyothi M, Yeswanth Kumar Narasimhaiah Ravi M, | Inventi Rapid: Med Chem Vol, Published on Web 07/08/2014, ISSN - 0976-3821, Impact factor - 1 |
| Synthesis, Characterisation and Anticonvulsant Activity Evaluation of Newer Pyrazolines and Pyrimidines | Inventi Rapid: Med Chem | M V Jyothi1*, C Naresh Babu1, S Triveni1 K.Sanjeev | Inventi Rapid: Med Chem Vol. Published on Web 25/02/2014, ISSN - 0976-3821. Impact factor - 1 |
| Design, Synthesis And Pharmacological Evaluation Of Novel Pyrimidines And | International journal of pharmacy & industrial | Jyothi M V, Rajendra Prasad Y, Venkatesh P | IJPIR, Vol - 02 Issue - 03 Jul - Sep 2012 2231 - 3656 |

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| | | | |
|--|---|---|---|
| Pyrazolines Of New Chalcones | Research | | |
| Synthesis and Antimicrobial Activity of Some Novel Chalcones of 3-Acetyl Pyridine and their Pyrimidine Derivatives | Chemical Science Transactions | M.V.Jyothi*, Y. Rajendra Prasad | Chemical Science Transactions. DOI:10.7598/cst2012.223 . ISSN/E-ISSN: 2278-3458/2278-3318 |
| Synthesis and Antimicrobial activity Evaluation of some Novel Pyrazolines | Journal of Chemical and Pharmaceutical Research | M. V. Jyothi Subas Chandra Dinda Ravindra Reddy | Journal of Chemical and Pharmaceutical Research, 2012, 4(5):2626-2630 |
| Preparation and Biological Evaluation of Novel Pyrimidines from Novel Chalcones | Oriental Journal Of Chemistry | M.V. Jyothi* P. Venkatesh ² | Oriental Journal Of Chemistry 2012, Vol. 28, No. (3): Pg. 1437-1442 |
| Determination of trace metals with newly synthesised coniine dithiocarbamate by atomic absorption spectroscopy | E-journal of chemistry | P.Chiranjeevi K.suvaradhan M.V.Jyothi | E.journal of chemistry Vol.1,no 2,99-104april -2004 |
| A Simple,sensitive spectrophotometri determination of Mosapride in pharmaceutical preparation using novel reagent | E-Journal of chemistry | B.S.Sastry P.Chiranjeevi M.V.Jyothi | Vol 1,No-05,PP 267-271 Ot 2004 |

Mrs. M. Geethavani

| Research Title | Journal | Authors | Details of Publication |
|---|--|--|--|
| Evaluation of Protective Effect of Isatin against Cisplatin Induced Nephrotoxicity. | Inventi Rapid Ethnopharmacology | M.Geethavani* , S.Satyanarayana, J. Raveendra Redd | 1(1):2015:1-3 ISSN:0976-3821 IF: 0.355 |
| Synthesis, Characterization and <i>In-vitro</i> Antibacterial and Antifungal Activity of some Derivatives of Quinoxaline-2, 3(1H, 4H)-dione | Inventi Rapid | Usharani * , Geethavani, Swetha , Sai kishore, Sujatha | 1(3):2013:1-5 ISSN:0976-3821 IF: 0.355 |
| Synthesis, Antimicrobial And Wound Healing Activities Of Diphenyl Quinoxaline Derivatives | International Journal of Pharmacy and Technology | M.Geethavani* , S.Satyanarayana, J. Raveendra Redd | 4(3):2012:4700-4710 ISSN:0975-766X IF:0.523 |
| Antimicrobial activity of seeds of <i>Abrus precatorius</i> Linn | Asian Journal of Chemistry | <u>Sreeramulu.J.Redd</u> <u>y.J.R.</u> <u>Reddy.Y.</u> <u>P.</u> , Geethavani, M. | 21(2):2009:1630-1632 ISSN:0970-7077 IF:0.213 |
| Microwave assisted synthesis of 7-substituted-6fluoro-benzothiazolo-tetrazole for antimicrobial studies | Oriental journal of Chemistry | S.M.Hipparagi,U.K. Majumder, B.Parikshit, M.Geethavani, V.Sureshkumar | 23(2):2007:635 - 639 ISSN:0970-020X IF:0.05 |
| Microwave assisted synthesis of fluoro-substituted quinoxaline derivatives for antimicrobial studies | Oriental journal of Chemistry | Majumder, B.Parikshit, M.Geethavani, V.Sureshkumar | 576 ISSN:0970-020X IF:0.05 |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

Mr. A. S. Manjoor Ahmed

| Research Title | Journal | Authors | Details of Publication |
|--|--|---------------------------|--|
| synthesis and evaluation of antitubercular and anti fungal activity of some novel 6-(4-substituted aryl)-2-(3,5-dimethyl-1h-pyrazol-1-yl)imidazo[2,1-b] [1,3,4] thiadiazole derivatives, Asian Journal of Pharmaceutical Clinical Research; 6(3), 2013; 47 - 51. | AJPCR(Asian Journal of Pharmaceutical and Clinical Research) | Manjoor A.S and Alagwadi | <ul style="list-style-type: none"> ▪ Volume 6, Issue 3 (August 2013), PP. 47-51. ▪ Impact factor (0.7) ▪ ISSN 0974-2441 |
| Isolation and Biological Activity of Endophytic Fungi from WithaniaSomnifera, | IJPS(International Journal of Pharmaceutical Sciences) | Madki M.A.and Manjoor A.S | <ul style="list-style-type: none"> ▪ Volume 2, Issue 3 (october 2010), PP. 848-858 . ▪ ISSN 0975-4752 |

Mrs. U. Usharani

| Research Title | Journal | Authors | Details of Publication |
|--|--|---|---|
| Effect of ethanolic extract of oroxylum indicum against cisplatin induced acute renal failure | International journal of pharmacy and therapeutics | Sreedevi adikay usha U Bharati koganti | International journal of pharmacy&therapeutics:2(1),2011,48-53 ISSN 0976-0342 Impact factor-0.8 |
| Effect of chrysin isolated from oroxylum indicum against cisplatin-induced acute renal failure | Recentresearchesin modern medicine | Sreedevi adikay usha U Bharati koganti | Recent researches in modern medicine:2011,302-306 ISBN:978-960-474-278-3 |
| Evaluation of protective effect of Isatin against cisplatin induced Nephrotoxicity | Inventi rapid | Usharani U Geethavani M Swetha G Saikishore K | Inventi Rapid:ethanopharmacologyvol.2015,Issue1 ISSN:0976-3805 Impact factor-1 |

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Mr. C. Naresh Babu

| Research Title | Journal | Authors | Details of Publication |
|--|---|---|---|
| Synthesis, Characterization and Evaluation of Anti-tubercular, Anti-inflammatory and Anti-microbial Activities of Newer Hydrazones | <i>Inventi Rapid: Med Chem</i> | Vijaya Jyothi M, Naresh Babu C, Praneeth Kumar Reddy K, Ashwini T | <ul style="list-style-type: none"> ▪ <i>Inventi Rapid: Med Chem</i> Vol. 2014, Issue 4 ▪ ISSN - 0976-3821 ▪ Impact factor - 1 |
| Synthesis, Characterization and Evaluation of Anticancer Activity of Some 7-(Substituted Benzylidene)-3-Aryl-2,3,4,5,6,7-Hexahydro Indazol-1-Yl(Pyridin-4-Yl)Methanones | <i>Inventi Rapid: Med Chem.</i> | S Triveni, K K Rajasekhar, C Naresh Babu, V Shankarananth, G Yeshwanth Kumar | <ul style="list-style-type: none"> ▪ <i>Inventi Rapid: Med Chem.</i> 2014: 2014(2): 1-6. ▪ ISSN - 0976-3821 ▪ Impact factor - 1 |
| Synthesis, Characterization and anticonvulsant activity evaluation of newer pyrazolines and pyrimidines | <i>Inventi Rapid: Med Chem</i> | M V Jyothi, C Naresh Babu, S Triveni, K Sanjeev | <ul style="list-style-type: none"> ▪ <i>Inventi Rapid: Med Chem.</i> 2014: 2014(2): 1-4. ▪ ISSN - 0976-3821 ▪ Impact factor - 1 |
| <i>In vitro</i> Antitubercular and Antibacterial activities of isolated constituents and column fractions from leaves of <i>Cassia occidentalis</i> , <i>Camellia sinensis</i> and <i>Ananas comosus</i> | African Journal of Pharmacology and Therapeutics | Padmanabha R. Yeragamreddy, Ramalingam Peraman, Naresh B. Chilamakuru, and Haribau Routhu | <ul style="list-style-type: none"> ▪ <i>Afr. J. Pharmacol. Ther.</i> 2013; 2(4): 116-123. ▪ ISSN - 2303-9841 |
| Synthesis, characterisation and anti-tubercular activity of some new 3,5-disubstituted-2,4-thiazolidinediones | Asian Journal of Pharmaceutical & Clinical Research | Naresh Babu Chilamakuru*, Shankarananth V, Dr Rajasekhar K K, Triveni Singirisetty | <ul style="list-style-type: none"> ▪ <i>Asian J Pharm Clin Res</i>, Vol 6 Suppl 5, 2013, 29-33 ▪ ISSN - 0974-2441 ▪ Impact factor - 0.7 (ICV - 3.98) |

SELF STUDY REPORT SUBMITTED FOR NAAC ACCREDITATION

Mrs. S. Triveni

| Research Title | Journal | Authors | Details of Publication |
|---|---|--|---|
| Synthesis, Characterization and Evaluation of Anticancer Activity of Some 7-(Substituted Benzylidene)-3-Aryl-2,3,4,5,6,7-Hexahydro Indazol-1-Yl(Pyridin-4-Yl)Methanones | <i>Inventi Rapid: Med Chem.</i> | S Triveni, K K Rajasekhar, C Naresh Babu, V Shankarananth, G Yeshwanth Kumar | <ul style="list-style-type: none"> ▪ <i>Inventi Rapid: Med Chem.</i> 2014: 2014(2): 1-6. ▪ ISSN - 0976-3821 ▪ Impact factor - 1 |
| Synthesis, Characterization and anticonvulsant activity evaluation of newer pyrazolines and pyrimidines | <i>Inventi Rapid: Med Chem</i> | M V Jyothi, C Naresh Babu, S Triveni, K Sanjeev | <ul style="list-style-type: none"> ▪ <i>Inventi Rapid: Med Chem.</i> 2014: 2014(2): 1-4 ▪ ISSN - 0976-3821 ▪ Impact factor - 1 |
| Synthesis, characterisation and anti-tubercular activity of some new 3,5-disubstituted-2,4-thiazolidinediones | Asian Journal of Pharmaceutical & Clinical Research | Naresh Babu Chilamakuru*, Shankarananth V, Dr Rajasekhar K K, Triveni Singirisetty | <ul style="list-style-type: none"> ▪ <i>Asian J Pharm Clin Res, Vol 6 Suppl 5, 2013, 29-33</i> ▪ ISSN - 0974-2441 ▪ Impact factor - 0.7 (ICV - 3.98) |

20. Areas of consultancy and income generated Not Applicable

21. Faculty as members in

| | |
|---|--|
| Dr. M. V. Jyothi Mrs. M. Geethavani Mr. A.S. Mansoor Ahmed Mr. C. Naresh Babu Mrs. U. Usharani Mrs. S. Triveni | Life Member: Indian Pharmaceutical Association (IPA) Life Member: International Society for Pharmacoconomics and Outcomes Research (ISPOR) India - Andhra Pradesh Chapter |
|---|--|

22. a) Percentage of students who have done in-house projects including inter departmental/programme: 100

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23. Awards / Recognitions received by faculty and students

Dr. M. V. Jyothi is one of the eminent resource person and speaker in pharmaceutical sciences known national wide.

Chair person in RSC London in RIPER

24. List of eminent academicians and scientists / visitors to the department

- xxii. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- xxiii. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- xxiv. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- xxv. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- xxvi. Mr. P. Pramood Kumar, Biostatistician, Aizertsoln Pvt Ltd
- xxvii. Mr. Chandra Shekar, Corporate Trainer, Bangalore

25. Seminars/ Conferences/Workshops organized & the source of funding

National conference on “Emerging Trends in Pharmaceutical Sciences” on December 22nd 2012.

National symposium on “Advances in Pharmaceutical Research” - 15th November 2014 in association with Royal Society of Chemistry (LONDON) - Deccan Section

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGE CET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |
| Government University | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University (others) | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

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29. Student Progression

| Student progression | Against % enrolled |
|---------------------|--------------------|
| UG to PG | |
| 2008 | 65 |
| 2009 | 72 |
| 2010 | 75 |
| 2011 | 70 |
| 2012 | 75 |

30. Details of Infrastructural facilities a) Library, b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings | |
| During working day | 09.00 am to 5.00 pm |
| Week end and Vocation | 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

- Internet Service Facilities Yes
- Name of the Internet provider BSNL Broadband
- Available bandwidth 10 Mbps
- Access speed 5 Mbps
- Availability of Internet in an exclusive lab YES
- Availability in most computing labs YES
- Availability in departments and other units YES - Wi-Fi
- Availability in faculty rooms Wi-Fi
- Institute's own e-mail facility to faculty/students No

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- Security/privacy to e-mail/Internet users No
- E-library is made available to students and faculty to browse various journals and books.
- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software's (QbD and Clinical Pharmacology)
- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.

Facilities available in Division of Pharmaceutical Chemistry

| S.No | Name of the Equipment | Made / Model |
|------|---------------------------|--------------------------------|
| 1 | Micro oven | LG - MS-1911HE |
| 2 | Rotary vacuum evaporator | Equitron - S.R.No EVII ABI.035 |
| 3 | Vacuum oven | Cintex - A1-7981 |
| 4 | Hot air oven - Digital | Kemi - KOS.3.F+D |
| 5 | U V Chamber | JSGW - 1177 |
| 6 | Magnetic stirrer | Remi - 2MLH & 1MLH |
| 7 | Melting point apparatus | JSGW - 1206 |
| 8 | Heating mantle | Kemi - KHM-4 |
| 9 | Soxhlet extract apparatus | Kemi - KSEA:26 |
| 10 | Vacuum pump (Oil) | Jetco |
| 11 | Vacuum pump | JSGW - TIDIS |
| 12 | Cyclomixer | Remi - Cm101 |
| 13 | Hot plate | Kemi - KHPE.256 |
| 14 | Hot air oven | Kemi |
| 15 | Incubator | Kemi - KIS-3 |
| 16 | Analytical balance | Keroy |
| 17 | Electronic balance | Afcoset - FX 200 |

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31. Number of students receiving financial assistance from college, university, government or other agencies

Students of the institution receive financial assistance as per norms of Govt of Andhra Pradesh.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

33. Teaching methods adopted to improve student learning

- Smart board teaching-learning process.
- Evidence based medicine teaching-learning process.
- Reflective learning
- Simulations
- Problem based learning (PBL)
- Student assisted teaching (SAT)
- Self directed learning and skills development (SDL)
- Teaching-learning process by referring the structured steps, firstly involving tertiary sources, followed by secondary and primary sources.
- Assessing student's observation about teaching content by open-ended questions.
- Use of model specimen, charts in explaining the subjects.
- Conducting mock presentations
- Conducting drug club, journal club.
- Conducting case presentation.
- Workshops on instrumentation.
- Conducting regular seminar presentations
- Assignments submission by students
- Beyond syllabus teaching process
- Viva-voice

- Internal Examinations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participation in all National Service Scheme Programmes.

35. SWOC analysis of the department and Future plans

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.

2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.

3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.

4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.

5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.

6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.

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7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.
8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc
9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

Evaluation Report of Department of Pharmacognosy and Phytochemistry

1. Name of the Department: Pharmacognosy and Phytochemistry
2. Year of Establishment:
- | | |
|--|------|
| B. Pharmacy | 2002 |
| M. Pharmacy | |
| Pharmaceutical Analysis and Quality Assurance | 2008 |
| Pharmaceutics | 2009 |
| Pharmacology | 2009 |
| Pharmacy Practice | 2013 |
| Pharm. D (Doctor of Pharmacy) | 2008 |
| Pharm. D (Doctor of Pharmacy - Post Baccalaureate) | 2009 |
| Doctorate in Philosophy (PhD) | 2013 |
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
- UG B. Pharmacy
- PG M. Pharm in Pharmaceutical Analysis and Quality Assurance
M. Pharm in Pharmaceutics
M. Pharm in Pharmacology
M. Pharm in Pharmacy Practice
Pharm. D
Pharm. D (post baccalaureate)
- Ph.D Ph.D in Pharmaceutical Sciences
4. Names of Interdisciplinary courses and the departments/units involved: NIL
5. Annual/ semester/choice based credit system (programme wise)
- | | |
|---------------|---------------|
| B. Pharmacy | Semester wise |
| M. Pharmacy | Semester wise |
| Pharm. D | Annual |
| Pharm. D (PB) | Annual |
| Ph.D | Annual |

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6. Participation of the department in the courses offered by other departments

M. Pharm. Pharmacology

M. Pharm. Pharmaceutics

M. Pharm. Pharmaceutical Chemistry

M. Pharm. Pharmacy Practice

B. Pharmacy

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | -- | 1 |
| Associate Professors | -- | 1 |
| Asst. Professors | -- | 1 |

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|------------------------|-------------------|-------------------------|----------------|----------------------------|---|
| Dr. J. Ravindra Reddy | M. Pharm., PhD | Head and Vice-Principal | Pharmacognosy | 20 | 5 |
| Mr. K. V. V. Badhrappa | M. Pharm., (Ph.D) | Associate Professor | Pharmacognosy | 10 | -- |
| Mr. A. Sanjeeva Kumar | M. Pharm., (Ph.D) | Assistant Professor | Pharmacognosy | 04 | -- |

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11. List of Senior Visiting Faculty

- i. Mr. M. VenkataRao Associate Professor, Tirupathi
- ii. Mr. Prasanna Kumar, Reliance Pharmaceuticals
- iii. Mr. Hari Hara Teja, Drug Inspector, Ananthapuramu
- iv. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- v. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- vi. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- vii. Devandra.S.Yadav, Dr. Reddys Laboratories, Hyderabad
- viii. Mr. Chandra Shekar, Corporate Trainer, Bangalore
- ix. Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P
- x. Dr. H. Abdul Ahad, Professor and Principal, Balaji College of Pharmacy, Anantapuramu

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: - Not Applicable -

13. Student -Teacher Ratio (programme wise)

B. Pharmacy - 15:1

M. Pharmacy - 12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Totally 4 for both B. Pharmacy and M. Pharmacy

15. Qualifications of teaching faculty with DSc/ D.Lit/ Ph.D/ MPhil / PG

PhD qualified Faculty: 01

PG qualified Faculty: 02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: YES, First institution to be recognized as Research Centre under Jawaharlal Nehru Technological University Anantapur (JNTUA), to carry out full time PhD (Doctor of Philosophy) in Pharmaceutical Sciences .

19. Research Publications

Dr. J. Ravindra Reddy

- I. Synthesis, characterization and in vitro anti bacterial and anti fungal activity of some derivatives of quinoxaline-2, 3 (1H, 4H)- diones, *Inventi Rapid Med Chem*, 2013, 2013 (3), 1-5.
- II. Formulation and evaluation of sintered matrix tablets of metformin hydrochloride and its comparison over un sintered matrix tablets, *Int. J of Res Pharm and Chem*, 2013, 3 (3), 521-529.
- III. QSAR model in designing of selective DPP4 inhibitors, *Pharm. Chem. Res. Lett*, 1, 2012, 11-24.
- IV. UV-spectrophotometric absorption correction methods for the estimation of piperacillin and tazobactam in injectables, *Inventi Rapid; Pharm. Anal & qual. Assur.* 2012, 4, 1-4.
- V. Validated RP-HPLC method for Determination of Erlotinib Hcl in Tablet Dosage forms and its Application to Stress Degradation Studies. *American J of Pharmtech Res*, 2012, 2(5), 842-852.
- VI. UV Derivative Spectrophotometric Method for Simultaneous Estimation of Metaxalone and Diclofenac potassium in combined Dosage form. *Int J of Pharm Sci & Res*, 2012, 3(11), 4301-4305.
- VII. Synthesis and Antimicrobial activity Evaluation of some Novel Pyrazolines. *J of Chem and Pharm Res*, 2012, 4(5), 2626-2630.
- VIII. Synthesis, anti microbial and wound healing activities of diphenyl quinoxaline derivatives, *Int J of Pharm & Tech*, 2012, 4 (3), 4700-4710.
- IX. Synthesis of newer Nalidixic acid derivatives containing quinoxalines core as potent antibacterial agents - A Molecular manipulation approach , *Indo-US*

Symposium on Frontiers in medicinal Chemistry and Drug Discovery, Molecule to Medicine, Abstract, DDD048.

- X. Effect of *Leucas aspara* on lead acetate induced nephrotoxicity in Rats, *Asian J. Chem.*, 2010, 22 (3), 2450-2452.
- XI. Review: Polymers in Colon Drug Targeting, *Indian Drugs*, 47(3), 2010, 5-13.
- XII. Simple UV Spectrophotometric methods for the estimation of ofloxacin in pharmaceutical formulation. *Int. J. Chem. Scien.*, 2010, 8(2), 983-990.
- XIII. Antimicrobial activity of seeds of "*Abrus precatorius* Linn, *Asian J. Chem.*, 2009, 21 (2), 1630-1632.
- XIV. Spectrophotometric Method for the estimation of Ofloxacin in pure and pharmaceutical dosage forms, *Asian J. Chem.*, 2009, 21 (3), 2473-2475.
- XV. Synthesis and antimicrobial evaluation of dibenzone (B, E) azepin-5, 10-(1H) diones / 10 - substituted dibenzo(B,E) azepines" , *Int J of Pharm Res and Dev*, 2009, 1 (9), 1-8.
- XVI. Anti-arthritic and anti-oxidant potential of aqueous and ethanolic extracts of *Adenanthera uniflora* leaf, 61st Indian Pharmaceutical congress 2009, scientific abstract. p 58

Mr. A. Sanjeeva Kumar

- I. Rodda Raghuvver, K Sreeja, Sindhuri T, Sanjeeva A Kumar. "Antihyperlipidemic effect of *Tagetes erecta* in cholesterol fed hyperlipidemic rats". *Der Pharmacia Lettre* 2011, 3 (5), 266-270. (Scholars Research Library)
- II. Raghuvver R, Sindhoori T, Sanjeeva Kumar A, Raju Ch, Valya N. "Evaluation of in vitro anti oxidant and free radical scavenging activity of *Punica granatum* pericarp extract". *International journal of pharmaceutical and phytopharmacological research* 2011, 1 (2), 49-55.
- III. Sreekanth P, Sudhakara K, Gouse Basha G, Murali K, Sanjeeva Kumar A. "Anti ulcer activity of *Alangium salvifonium* ethanolic leaf extract on gastric lesion induced by ethanol in rats". *Asian Journal of Pharmaceutical and Clinical Research* 2011, 4 (2), 112-114. (Impact Factor 0.70)

- IV. K Jagjeevan, S Arafath, S Nagarjuna, Y Padmanabha Reddy, A Sanjeeva Kumar. Anthelmintic activity of different solvent extracts of unripe fruits of *Achras sapota* prepared by under reflex and sonication. *Journal of pharmacy research* 2011, 4 (11), 3948-3950.
- V. Raghuvveer Rodda, Abeesh Kota, Sindhoori T, Sanjeeva Kumar A, Gnananath K. "Investigation on Anti inflammatory Property of *Basella alba* Leaf Extract". *International Journal of Pharmacy and Pharmaceutical sciences* 2012, 4 (1), 452-454. (Impact Factor 1.1)
- VI. K. Gnananath, A. Sanjeeva Kumar, N. Srinivas, P. Gomathi, K. Kishore Kumar. "Pharmacological Screening for Analgesic and Anti Inflammatory Activities Of *Eriolaena hookeriana* Wt. & Arn Roots". *International Journal of Pharma and BioSciences* 2012, 3 (2), 407-414. (Impact Factor 0.47, Indexed in Elsevier)
- VII. K. Raj Kumar ,K. Gnananath, A. Sanjeeva Kumar, K. Srinivas Reddy, G. Hanumantha Reddy, C. Srinivas Reddy. "Evaluation of Wound Healing Potential of *Momordica dioica* Fruit in Rats". *Deccan Journal of Natural Products* 2012, 3 (1), 1-9. (Impact Factor 0.23)
- VIII. Srinivas K Reddy, Sanjeeva A Kumar, Vinay D Kumar, Ganapaty S. "Anti inflammatory and analgesic efficacies of *Amorphophallus bulbifer* (Roxb.) Kunth whole plant". *Tropical Journal of Pharmaceutical Research* 2012, 12 (6): 971-976. (Impact Factor 0.82)
- IX. K. Shilpa, Y. Rajendra, A. Sanjeeva Kumar, D. Vinay Kumar, R. Vinod Kumar, K. Gnananath. "Evaluation of wound healing potential in the bulbs of *Crinum defexium* Ker Gawl". *Asian Journal of Pharmaceutical and Clinical Research* 2013, 6 (1): 61-63. (Impact Factor 1.1)
- X. Raghuvveer Rodda, Sanjeeva Kumar A, Vijay R Chidrawar, T Ramamohan Reddy. "Pharmacological screening of synergistic anti diabetic efficacy of *Tagetes erecta* and *Foeniculum vulgare*". *International Journal of Phytopharmacology* 2013, 4 (4), 223-229. (Impact factor-0.81)

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- XI. Raveendra Reddy J, Sanjeeva Kumar A, Rama Mohan Gupta V. Preliminary Phytochemical and Proximate Studies on Porana paniculata Roxb Whole Plant - A Common but Less Known Medicinal Plant. *Inventi Impact: Planta Activa* 2014, 2014 (3):1-6. (Impact Factor-1.0)
- XII. Sanjeeva Kumar A, Raveendra Reddy J, Rama Mohan Gupta V. Preliminary Phytochemical And Standardization Parameters Of Ipomoea quamoclit Linn Whole Plant- An Ethnomedicinally Important Plant. *International Journal Pharmacy and Pharmaceutical Sciences* 2014, 6 (7): 162-165. (Impact Factor-0.91)
- XIII. Sanjeeva Kumar A, Raveendra Reddy J, Rama Mohan Gupta V. Evaluation of analgesic and anti inflammatory activities of Porana paniculata whole plant. *International Journal of Pharma and Bio Sciences* 2014, 5 (4): 413-421. (Impact Factor-2.958, Indexed in Elsevier)
- XIV. Sanjeeva Kumar A, Raveendra Reddy J, Rama Mohan Gupta V. In vitro antioxidant activity of Porana paniculata and Ipomoea quamoclit- Two ethnomedicinally important plants of Convolvulaceae family. *British Journal of Pharmaceutical Research* 2015, 5 (4), 286-293. (Indexed in PubMed)
- XV. Sanjeeva Kumar A, Raveendra Reddy J, Rama Mohan Gupta V. Thin layer chromatographic profile of Ipomoea quamoclit Linn whole plant. *Research Journal of Pharmaceutical Biological and Chemical Sciences* 2015, 6 (3), 1199-1203 (Impact Factor-0.35)
- XVI. Raveendra Reddy J, Sanjeeva Kumar A, Rama Mohan Gupta V. Anti diabetic activity of Ipomoea quamoclit in streptozotocin induced diabetic rats. *Journal of Pharmacognosy and Phytochemistry* 2015, 4 (1), 68-71 (Impact Factor- 0.255)
- XVII. 21. Faculty as members in

| | |
|--|---|
| Dr. J. Ravindra Reddy Mr. K. V. V. Badhrappa Mr. A. Sanjeeva Kumar | Life Member of Indian Pharmaceutical Association (IPA) Life Member of International Society for Pharmacoeconomics and Outcomes Research (ISPOR) - India Andhra Pradesh Chapter Life member of Association of Pharmacy Teachers of India. Life member of Indian Pharmacognosy Association. Life member of Indian Pharmacists Association |
|--|---|

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22. a) Percentage of students who have done in-house projects including inter departmental/programme: 100

23. Awards / Recognitions received by faculty and students

Dr. J. Ravindra Reddy

External examiner for Ph.D / PG /UG Examinations

Acharya Nagarjuna University, Guntur, AP, India

Kakatiya University, Warangal, AP, India

Andhra University, Visakhapatnam, AP, India

The Tamil Nadu Dr.MGR Medical University, Chennai, TN, India.

Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka, India

24. List of eminent academicians and scientists / visitors to the department

- i. Mr. M. VenkataRao Associate Professor, Tirupathi
- ii. Mr.Prasanna Kumar, Reliance Pharmaceuticals
- iii. Mr.Hari Hara Teja, Drug Inspector, Ananthapuramu
- iv. Dr. Prameela Rani, Professor & Principal, Acharya Nagarjuna University, Guntur
- v. Dr. Sharma, Retd. Professor, Sri Krishnadevaraya University
- vi. Dr. Anil Kumar, Chief Executive Officer, Bio Axis DNA Research Centre Pvt Ltd
- vii. Devandra.S.Yadav, Dr.Reddys Laboratories, Hyderabad
- viii. Mr. Chandra Shekar, Corporate Trainer, Bangalore
- ix. Dr. C. Shiva Reddy, Professor & Head, Dept of Pharmacy Practice, KVSR, Vijayawada, A. P
- x. Dr. H. Abdul Ahad, Professor and Principal, Balaji College of Pharmacy, Anantapuramu

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------|------|------|------|------|------|------|------|------|------|
| GPAT/GATE Ratio | 05 | 07 | 08 | 10 | 16 | 42 | 17 | 19 | 10 |
| NIPER | 01 | 01 | 01 | 01 | 01 | 01 | 09 | 05 | 39 |
| PGECET | - | - | 09 | 12 | 20 | 26 | 28 | 30 | 12 |

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| | | | | | | | | | |
|-----------------------------|----|----|----|----|----|----|----|----|----|
| Government University | 02 | 02 | 02 | 04 | 03 | 03 | 02 | 02 | 02 |
| GRE / TOEFL | 01 | 05 | 02 | 01 | 01 | 03 | 01 | 01 | 02 |
| Reputed University (others) | 02 | 03 | 02 | 02 | 02 | 03 | 03 | 03 | 02 |

29. Student Progression

| Student progression | Against % enrolled |
|---------------------|--------------------|
| UG to PG | |
| 2008 | 65 |
| 2009 | 72 |
| 2010 | 75 |
| 2011 | 70 |
| 2012 | 75 |

30. Details of Infrastructural facilities a) Library, b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

| | |
|---|---|
| Library Services | YES |
| Carpet area | 1674 Sq.ft |
| Number of seats in reading space | 100 |
| Number of users (issue book) per day | 100 |
| Number of users (reading space) per day | 200 |
| Timings | |
| During working day | 09.00 am to 5.00 pm |
| Week end and Vocation | 10.00 am - 1.00 pm |
| Number of library staff | 03 |
| Number of library staff with degree in Library | 01 |
| Management Computerization for search, indexing, issue/return records Bar coding used | Computers are provided for online search and online journals. |
| Library services on Internet/Intranet INDEST or other similar membership Archives. | No Membership activities |

- Internet Service Facilities Yes
- Name of the Internet provider BSNL Broadband
- Available bandwidth 10 Mbps
- Access speed 5 Mbps

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- Availability of Internet in an exclusive lab YES
- Availability in most computing labs YES
- Availability in departments and other units YES – Wi-Fi
- Availability in faculty rooms Wi-Fi
- Institute's own e-mail facility to faculty/students No
- Security/privacy to e-mail/Internet users No
- E-library is made available to students and faculty to browse various journals and books.
- E-learning and open educational resources used by the faculty for effective teaching?
- E-books
- Educational software's (QbD and Clinical Pharmacology)
- Educational videos and medical animations CD
- Power lab for animal experiments
- All the staff members use these open educational resources for active teaching.
- Students are encouraged to use the internet facility for their presentation of seminar topics.

Facilities available in Division of Pharmacognosy & Phytochemistry

| S. No. | Name of equipment | Manufactured by | Number available |
|--------|---------------------------|-----------------|------------------|
| 01. | Autoclave | Singhala | 01 |
| 02. | Analytical balance | Keroy Pvt Ltd | 01 |
| 03. | Camera Lucida | MV Tex | 10 |
| 04. | Chromatography sprayers | Borosil | 04 |
| 05. | Desiccators | Borosil | 01 |
| 06. | Heating mantle | Quasmo | 05 |
| 07. | Microscopes | Quasmo | 20 |
| 08. | Soxhlet apparatus | Borosil | 11 |
| 09. | Stage micrometer | Erma | 08 |
| 10. | Eye piece micrometer | MV Tex | 05 |
| 11. | Centrifuge | Remi | 01 |
| 12. | Conical percolator | Singhala | 05 |
| 13. | Dispensing balance | Keroy | 01 |
| 14. | Electronic microscope | Quasmo | 01 |
| 15. | Blender | Electronix | 01 |
| 16. | Iodine flask | Borosil | 01 |
| 17. | First aid box | Adequate | 01 |
| 18. | TS charts for crude drugs | Dolphin | 22 |
| 19. | Columns | JSGW | 02 |
| 20. | Column pilot | JSGW | 02 |
| 21. | TLC chamber | JSGW | 01 |
| 22. | TLC sprayers | JSGW | 02 |
| 23. | Hot air oven | Thermolab | 01 |
| 24. | Vacuum pump | Systronics | 01 |
| 25. | Melting point apparatus | Thermolab | 01 |
| 26. | Heating mantle (500ml) | NSP | 10 |
| 27. | Heating mantle (1000ml) | NSP | 05 |
| 28. | Mechanical stirrer | Remi | 01 |
| 29. | Medicinal garden | RIPER | 01 |
| 30. | Water circulators | Dolphin | 01 |
| 31. | Sieve (100#) | Dolphin | 10 |

List of Medicinal Plants

| Plant name | Biological source (Family) | Chemical constituents | Uses |
|---------------------|--|-----------------------------|------------------------------------|
| Aloes | <i>Aloe vera</i> (Liliaceae) | Aloin and Barbaloin | Purgative |
| Anjurapu chettu | <i>Ficus carica</i> (Moraceae) | campesterol, euphorbo | Laxative, expectorant, diuretic |
| Annona | <i>Annona reticulata</i> (Annonaceae) | annoreticuin, squamosine | Astringent, anthelmintic |
| Bamboo | <i>Bambusa arundinaceae</i> (Poaceae) | Pentosans, lignin | Astringent, diuretic, inflammation |
| Banana | <i>Musa paradisiaca</i> (Musaceae) | Flavonoids, carbohydrates | Diabetes, laxative |
| Betel leaf | <i>Piper betel</i> (Piperaceae) | Tannins, chavicol , arakene | Throat disorders, carminative |
| Betel nut | <i>Areca catechu</i> (Palmae) | Purine alkaloids | Anthelmintic, vermicide |
| Biriyani leaf plant | <i>Pandanus amaryllifolius</i> (Pandanaeae) | cycloheptasiloxane | Diabetes, flavouring agent |
| Bitter almond | <i>Terminalia catappa</i> (Combretaceae) | Tannins, flavonoids | Liver diseases |
| Black berry tree | <i>Rubus ursinus</i> (Rosaceae) | flavonoids, ellagic acid | Anti oxidant and cancer |
| Black pepper | <i>Piper nigrum</i> (Piperaceae) | Piperine, volatile oils | Diabetes, stomachic |
| Brahmi | <i>Centella asiatica</i> (Apiaceae) | Asiaticosides, | Tonic, diuretic, leprosy |
| Camphor tree | <i>Cinnamomum camphora</i> (Lauraceae) | camphor, borneol | Anti microbial, Anti tussive |
| Cheema chintha | <i>Pithecellobium dulce</i> (Fabaceae) | Pithogenin, Hexacosanol | Astringent |
| Cherry plant | <i>Prunus cerasus</i> (Rosaceae) | Amygdalin, tannins | Cancer, inflammation, anti oxidant |
| Cinnamon | <i>Cinnamon zeylanicum</i> (Lauraceae) | Eugenol, cinnamaldehyde | Carminative, stomachic, astringent |

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| | | | |
|-------------------|---|--------------------------------------|---|
| Cissus | <i>Cissus quadrangularis</i> (Vitaceae) | Quadrangularin A | Antibacterial, analgesic |
| Clove | <i>Eugenia caryophyllus</i> (Myrtaceae) | Eugenol, gallotannic acid | Dental analgesic, carminative, stimulant |
| Coccicina | <i>Coccicina indica</i> (Cucurbitaceae) | Coccinoside, taraxerol | Diabetes, Aphrodisiac |
| Curry leaf | <i>Murraya koenigii</i> (Rutaceae) | pinene, sabinene, | Stimulants, anti dysenteric |
| Datura | <i>Datura metel</i> (solanaceae) | Atropine, hyoscine | parasympatholytic |
| Dumpa rastramu | <i>Alpinia galanga</i> (Zingiberaceae) | Galangoisoflavonoid, galangin | Bronchitis, renal calculus, diabetes |
| Guggul | <i>Commiphora weightii</i> (Burseraceae) | Guggulosterone Z and I | Inflammation, rheumatism, |
| Gymnema | <i>Gymnema sylvestre</i> (Asclepiadaceae) | Gymnemic acid, stigmasterol | Anti diabetic, stomachic |
| Jack fruit | <i>Artocarpus heterophyllus</i> (Moraceae) | Morin, cyanomachurin | Laxative, fever |
| Jasmine | <i>Jasmine sambac</i> (Oleaceae) | Benzyl acetate, linalool | Purgative, Rheumatism |
| Jatropa | <i>Jatropha curcas</i> (Euphobiaceae) | Curcin , toxalbin | Biodiesel plant, anthelmintic |
| Kalmegh | <i>Andrographis paniculata</i> (Acanthaceae) | Andrographolide | Bitter tonic, Hepatoprotective |
| Karpuravalli | <i>Coleus amboinicus</i> (Laminaceae) | Carvecrol, Thymol | Diseases of heart, blood vessels |
| Kharjura | <i>Phoenix sylvestris</i> (Palmae) | Vitamins, carbohydrates, proteins | Analgesic, nervine tonic |
| Lemon | <i>Citrus limoni</i> (Rutaceae) | Vitamic C | Carminative, stomachic |
| Lemon grass | <i>Cymbopogon flexuosus</i> (Graminae) | Citral, methyl heptanol | Flavouring agent |
| Maddi chettu | <i>Morinda pubescens</i> (Rubiaceae) | Morindone, β - sitosterol | Anti-inflammatory, in diarrhea |
| Mango tree | <i>Mangifera indica</i> | Carotenoids, vitamins | Anti microbial and |

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| | (<i>Anacardiaceae</i>) | | nutritive |
| Mirchi | <i>Capsicum annum</i> (<i>Solanaceae</i>) | Capsanthin, capsaicin | Counter irritant, carminative, appetizer |
| Naaga malli | <i>Jasminum</i> <i>cuspidatum</i> (<i>Oleaceae</i>) | Flavonoids, coumarins | hyperlipemia, inflammation |
| Nandivardhanam | <i>Tabernaemontana</i> <i>divaricata</i> (<i>Apocyanaceae</i>) | Alkaloids | Eye diseases, antioxidant |
| Neem | <i>Azadiracta indica</i> (<i>meliceae</i>) | Flavonoids, limonoids | Insect repellent, anti microbial |
| Nux vomica | <i>Strychnous</i> <i>Nuxvomica</i> (<i>Loganiaceae</i>) | Struchnine, brucine | Bitter tonic, CNS stimulant |
| Orange plant | <i>Citrus sinensis</i> (<i>Rutaceae</i>) | Limonene, naringin | Hypertension and CNS disorders |
| Paala gaddalu | <i>Holostemma</i> <i>adakodien</i> (<i>Asclepiadaceae</i>) | terpenoid sugars | Gonorrhoea, diabetes, lactation |
| Pachari | <i>Dalbergia latifolia</i> (<i>Papilionaceae</i>) | tannins and dalbergin | Bitter tonic, stomachic, stimulant |
| Phyllanthus | <i>Phyllanthus</i> <i>neruri</i> (<i>Phyllanthaceae</i>) | Alkaloids, flavonoid | Diseases of liver, kidney and spleen |
| Pine apple | <i>Ananas comosus</i> (<i>Bromeliaceae</i>) | Anthocyanin, carotenoids | Venereal diseases, intestinal worms |
| Rauwolfia | <i>Rauwolfia</i> <i>serpentina</i> (<i>Apocyanaceae</i>) | Reserpine | Anti hypertensive |
| Sandal wood | <i>Santalum album</i> (<i>Santalaceae</i>) | Santalol, santalene | Anti viral, diuretic |
| Sankapushpi | <i>Convolvulus</i> <i>pluricaulis</i> (<i>Gentia</i> <i>naceae</i>) | convoline, convolidine, | nervine tonic and bitter tonic |
| Sapota | <i>Manilkara zapota</i> (<i>Sapotaceae</i>) | Tannins and saponins | Laxatives, inflammation |
| Jalbrahmi | <i>Bacopa monnieri</i> (<i>Plantaginaceae</i>) | Bacosides, bacopasides, brahmine | Brain tonic, Anti oxidant |

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| Senna | <i>Cassia angustifolia</i> (<i>Leguminosae</i>) | Sennosides | Purgative |
| Shatavari | <i>Asperagus racemosus</i> (<i>Liliaceae</i>) | Shatavarin I, II, III and IV | Galactogogue, diuretic |
| Silver oak | <i>Grevillea robusta</i> (<i>Proteaceae</i>) | Cellulose, lignins | Anti septic |
| Taani chettu | <i>Terminalia bellirica</i> (<i>Combretaceae</i>) | Chebulinic acid, gallic acid | wounds, ulcers, diabetes, fever |
| Tagetes erecta | <i>Tagetes erecta</i> (<i>Asteraceae</i>) | Essential oils | Nemotocidal, fungicidal, insecticidal |
| Tea plant | <i>Thea sinensis</i> (<i>Theaceae</i>) | Caffeine, theophylline, theobromine | CNS stimulant, diuretic |
| Thapsi | <i>Holoptelea integrifolia</i> (<i>Ulmaceae</i>) | Alkaloids, flavonoids, tannins | Rheumatism, ring worm infection |
| Tomato | <i>Solanum lycopersicum</i> (<i>Solanaceae</i>) | Lycopene | heart diseases, anti oxidant, cancers |
| Tridax | <i>Tridax procumbens</i> (<i>Asteraceae</i>) | Procumbenetin, Flavonoids | Anticoagulant, hair tonic, wound healing. |
| Tulasi | <i>Ocimum sanctum</i> (<i>Lamiaceae</i>) | oleanolic acid, eugenol, carvacrol | Fevers, diabetes, kidney stones |
| Vasaka | <i>Adathoda vasika</i> (<i>Acanthaceae</i>) | Vasicine, vasicinone | Expectorant , bronchodialator |
| Vetiver grass | <i>Vetiver zizianoides</i> (<i>Graminae</i>) | Vetivenol, vetivone | Stimulant, stomachic |
| Vinca | <i>Catharanthus roseus</i> (<i>Apocyanaceae</i>) | Vincristine, vinblastine | Anti cancer |

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| Vippa chettu | <i>Madhuca longifolia</i> (<i>Sapotaceae</i>) | β -carotene and xanthophylls; erthrodiol, palmitic acid | Anti diabetic Snake-bite Rheumatism |
| Yerra chandanam | <i>Pterocarpus santalinus</i> (<i>Leguminosae</i>) | Saponins, tannins, flavonoids | Diabetic, pains, fever |
| Rice | <i>Oryza sativa</i> (<i>Graminae</i>) | Amylose, amylopectin | Pharm. Aid, Antidote for iodine poisoning |
| Palleru | <i>Tribulus terrestris</i> (<i>Zygophyllaceae</i>) | Steroidal saponis, Terestrosins A,B,C,D,E desgalactotigonin | Diuretic, Urinary infections |
| Turmeric | <i>Curcuma longa</i> (<i>Zingiberaceae</i>) | Curcumin, Zingiberene | Anti-Cancer, Antiarthritic Antiinflammatory |
| Orange | <i>Citrus sinensis</i> (<i>Rutaceae</i>) | Hesperidin, naringin, rutin | Vitamin c source, antioxidant, anticancer, anti atherogenic |
| BER(Regu) | <i>Ziziphus jujuba</i> (<i>Rhamnaceae</i>) | Alkaloids | Sedative, blood purifier |
| Hibiscus | <i>Hibiscus rosasinensis</i> (<i>Malvaceae</i>) | Esculetin, Delphinidin | Anti-hypertensive, cholretic effect |
| Nut meg | <i>Myristica fragrans</i> (<i>Myristicaceae</i>) | Myristicin, saffrole, elimicin | Stimulant, carminative |
| Aavalu | <i>Brassica nigra</i> (<i>Cruciferae</i>) | Fixed oil, S-glucoside sinigrin | Rubefacient, counter irritant, emetic |
| Nuvvulu | <i>Sesamum indica</i> (<i>Pedaliaceae</i>) | Pinoresino, lariciresino | Laxative, nutritive, demulscent |

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|-----------------|--|---|--------------------------------------|
| Bitter gourd | <i>Momarandica charantia</i> (<i>Cucurbitaceae</i>) | Momordin, Momordicine | Anti-diabetic, gout, rheumatism |
| Ground nut | <i>Arachis hypogea</i> (<i>Leguminosae</i>) | Oleic acid, palmitic acid, arachidic acid | Lubricant, pharmaceutical aid |
| Papaya | <i>Carica papaya</i> (<i>Cariaceae</i>) | Papain | Digestant, anti-inflammatory |
| Aloe | <i>Aloe barbadensis</i> (<i>Liliaceae</i>) | Barbaloin, aloesin | Purgative, carminative |
| Onion | <i>Allium sativum</i> (<i>Liliaceae</i>) | Cysteine sulfoxide | Expectorant, diaphoretic, diuretic |
| Coffee | <i>Coffea arabica</i> (<i>Rubiaceae</i>) | Caffeine, tannin, fixed oil | Stimulant, diuretic |
| Pomegranate | <i>Punica granatum</i> (<i>Lythraceae</i>) | Pelle tierina, punicalolin, punicallin | Anti-bacterial, taenicidal agent |
| Ganneru | <i>Nerium oleander</i> (<i>Apocyanaceae</i>) | Cardioactive glycosides | Cardiotonic, diuretic, skin diseases |
| Acalypha indica | <i>Acalypha indica</i> (<i>Euphorbiaceae</i>) | Acalyphamide, acalyphin | Carminative, diuretic, expectorant |
| Guava | <i>Psidium guajava</i> | Gava triterpenoid saponins, B. Sitosterol | Laxative, anti-diabetic |
| Custard apple | <i>Annona squamosa</i> (<i>Annonaceae</i>) | Higenamine, chelerythrine | Treatment of heart disorders |
| Jowar | <i>Sorghum bicolor</i> (<i>Graminae</i>) | Tanins, glycosides | |
| Vulavalu | <i>Macrtyloma uniflorum</i> (<i>Fabaceae</i>) | Sitosterol | Kidney stones, urinary disorders |
| Ragulu | <i>Eleusine corcana</i> (<i>Graminae</i>) | Flavonoids, orientin, iso orientins | Fever, respiratory infections |
| Long piper | <i>Piper longum</i> (<i>Piperaceae</i>) | Volatile oils | Febrifuge, tonic, analgesic |
| Insulin plant | <i>Costus igneus</i> (<i>Costaceae</i>) | Hexadecanoic acid, ionones | Antidiabetic, antioxidant |

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| China box | <i>Murraya paniculata</i> , (<i>Rutaceae</i>) | Caryophyllene, sesquiterpenoids | malaria, diabetes, dysentery |
| Rohitaka | <i>Tecomella undulata</i> , (<i>Bignoniaceae</i>) | Tectol, Lapachole, beta sitosterol | Liver disorders, pains, |
| Nalla vaavilla | (<i>Vitex negundo</i> , <i>Verbenaceae</i>) | casticin, isoorientin, chrys ophenol D, luteolin | Pains, inflammations, infections |
| Abrus | <i>Abrus precatorius</i> (<i>Fabaceae</i>) | abrin A - D, abrus- agglutinin | Aphrodisiac, fever, hair growth |
| Rosewood | <i>Dalbergia sissoo</i> (<i>Fabaceae</i>) | Dalbergin, nordalberginone, dalbergi chromene | Aphrodisiac, skin and stomach problems |
| Multivitami n plant | <i>Sauropus androgynus</i> , (<i>Euphorbiaceae</i>) | Vitamin K, kaempferol | Source of Vitamin K, |
| Indian warm wood | <i>Artemisia nilagirica</i> (<i>Asteraceae</i>) | β - pinene and β - thujone | nervine tonic, wounds |
| Wheat | <i>Triticum aestivum</i> (<i>Graminae</i>) | Starch | Pharmaceutical aid |
| Kanakambar am | <i>Crossandra infundibuliformis</i> (<i>Acanthaceae</i>) | Alkaloids and volatile oils | fever, respiratory diseases, joint pains |
| Potato | <i>Solanum tuberosum</i> (<i>Solanaceae</i>) | Starch (amylase and amylopectin) | Pharmaceutical aid |
| Beetroot | <i>Beta vulgaris</i> (<i>Chenopodioideae</i>) | Betanins | Hypertension and cardiovascular diseases |
| Radish | <i>Raphanus sativus</i> (<i>Brassicaceae</i>) | Essential oils | Pains, inflammations |

31. Number of students receiving financial assistance from college, university, government or other agencies

Students of the institution receive financial assistance as per norms of Govt of Andhra Pradesh.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

The institution has the policy of inviting two experts in each subject taught, for delivering guest lecture to augment teaching-learning activities.

33. Teaching methods adopted to improve student learning

- Smart board teaching-learning process.
- Evidence based medicine teaching-learning process.
- Reflective learning
- Simulations
- Problem based learning (PBL)
- Student assisted teaching (SAT)
- Self directed learning and skills development (SDL)
- Teaching-learning process by referring the structured steps, firstly involving tertiary sources, followed by secondary and primary sources.
- Assessing student's observation about teaching content by open-ended questions.
- Use of model specimen, charts in explaining the subjects.
- Conducting mock presentations
- Conducting drug club, journal club.
- Conducting case presentation.
- Workshops on instrumentation.
- Conducting regular seminar presentations
- Assignments submission by students
- Beyond syllabus teaching process
- Viva-voice
- Internal Examinations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Participation in all National Service Scheme Programmes.

35. SWOC analysis of the department and Future plans

1. The administration of Raghavendra Institute of Pharmaceutical Education & Research (RIPER) to the optimum best imparts quality education with international standards and practices in pharmacy and achieves it with a team work of dynamic, eminent and expertise faculties. Faculties of the Institute are well qualified, and are ratified pharmacy teachers by the Jawaharlal Nehru Technological University Anantapur, JNTUA, Andhra Pradesh, India.
2. Raghavendra Institute of Pharmaceutical Education and Research (RIPER), edifies and promote the pharmacy education with optimum best quality by making faculties participating in Quality Improvement Programme (QIP), Faculty Development Programme (FDP) and Advancing Learning Modules in Pharmacy and Pharmaceutical Sciences, and it retain its benchmark of reputation as the educational institute.
3. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are eminent personalities with notable accomplishment as evaluators for prestigious universities, resource persons for conferences, seminars, workshop as chair person and speakers both of national and international level.
4. Faculties of Raghavendra Institute of Pharmaceutical Education and Research (RIPER) are continuous learner and educators keen on research in improving and sighting new strategy of teaching.
5. In Raghavendra Institute of Pharmaceutical Education and Research (RIPER), five research supervisors are approved by Jawaharlal Nehru Technological University Anantapur (JNTUA), Anantapuramu, Andhra Pradesh for guiding regular Doctorate of Philosophy programme.
6. Faculties are allowed in RIPER to practice for their research activities and permitted to utilize all the equipments.
7. Incentives are provided and included salary revision in every January month as per appraisal report from the head of the department.
8. Appraisal is based on Skill and contribution in maintenance of log book, SOP for instruments, neatness of laboratory, etc

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9. Faculties are also assisted to participate and present their research studies overseas, and assisted to be an extensive part of professional bodies like FIP, FAPA, ACCP, ASHP, IPC, IPA and APTI etc.

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Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Raghavendra Institute (Name of the institution) fulfils all norms of Pharmaceutical Education & Research - RIPER, Anantapuram, Andhrapradesh.

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 04.11.2015
Place: Anantapuram


Principal/Head of the Institution
(Name and Signature with Office seal)

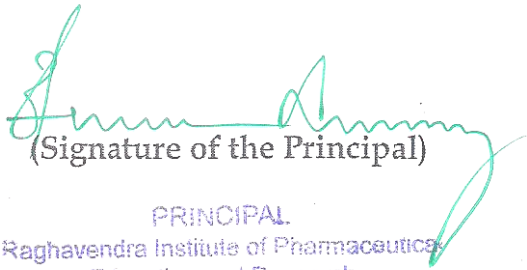
PRINCIPAL
Raghavendra Institute of Pharmaceutical
Education and Research
CHIVYEDU-596724, Anantapur A.P.

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.



(Signature of the Principal)

PRINCIPAL
Raghavendra Institute of Pharmaceutical
Education and Research
CHYYEDU - 515 721, Anantapur (A.P)

Place : Anantapuramu

Date : 04.11.2015