RBVRR WOMEN'S COLLEGE OF PHARMACY

INTERNAL ACADEMIC AUDIT REPORT: Year -2022-23

Date of Academic Audit: 06/08/2023

The Committee:

RBVRR Women's college of pharmacy has constituted a six members internal audit committee to conduct an academic audit of the all the courses. The following is the structure of the audit committee:

Sl No	Name of the Faculty Member	Designation	Roll in the Committee	Signature and Date
1.	Prof.V.Ramesh Kumar	Professor, OUCT, Osmania University	Convener	6/8/23 PROFESSOR University College of Technology Osmania University, Hyderabad-7
2.	Dr.SudhaParimala	Vice Principal	Member	
3.	Dr.A.Krishnasailaja	Professor	Member	
4.	Dr. J.Archana	Professor	Member	
5.	Dr.M.VijayaBhargavi	Associate Professor	Member	

1. Introduction

RBVRR Women's College of Pharmacy was established in the year 2006 under "Hyderabad MahilaVidyaSangham" to provide education to women students and offers offers theentire spectrum of Pharmacy education: B.Pharm, M.Pharm (pharmaceutical chemistry, Pharmacology, Pharmaceutical analysis and pharmaceutics)Ph.D (Pharmaceutical Sciences), Pharm.D (Doctor of Pharmacy)

The college is affiliated to Osmania University, Hyderabad. The college is self-financed,

approved by Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE) and included under section 2(f) of UGC Act 1956accredited by NBA during the period of 2019-2022 with an objective to nurture the pharmacy education and to support the healthcare system through skilled Women Pharmacy graduates.

Our vision is to be a leading institution in pharmaceutical education and research, empowering students to become compassionate and competent pharmacists. We aim to foster an environment of academic excellence, innovation, and lifelong learning. Our institution strives to be at the forefront of pharmacy education, producing graduates who are equipped with cutting-edge knowledge and skills to meet the evolving healthcare needs of society.We are committed to nurturing a culture of ethics, integrity, and social responsibility among our students. Through collaborative partnerships and interdisciplinary approaches, we seek to advance pharmaceutical sciences, address global health challenges, and contribute to the betterment of public health.

Objective and Scope of theAudit

The primary focus of this academic audit is to adopt self-improvement measures as well as incorporatingcontinuousimprovementofdifferentdepartmentalactivitiestopursueexcellencein practices.

The college has already developed an outcome based teaching-learning approach, redesigned an updated curriculum and co-curriculum with an objective to a value added learning methodology, reliable student assessment and student engagement programs.

The current state of efforts to improve student learning and the academic quality of theprogram

College has created an academic environment to improve student perception and approaches towards learning and their learning outcome. An outcome-based pedagogy was followed to redesign the syllabus in active participation of the industry representatives. Academicians from different prestigious institutions incorporated their valuable thoughts while designing the curriculum and syllabus. The faculty members have also started a "Learner Centric Approach" in teaching. Accordingly the assessment style in sync with the "Course Objective" attainment has been primed by the department. Innovative teaching processes were adopted to implement the practical and creative aspects of acquired knowledge and to attain the highest level of strata of modified "Bloom's Taxonomy" thereafter. The college has taken several initiatives to implement experiential learning,

which is a philosophy and methodology of educators as it purposefully engage students in direct experience in order to increase knowledge, develop skills and to clarify values. Apart from these, the reflective learning process focuses on the development of critical-thinking skills through the internal process of examining strengths and exploring areas for improvement.

To be precise new improved teaching approach incorporated the following techniques:

- Encourage learning mindset
- Outcome basedteaching
- Implement student feedback in teachingmethodology
- Mentoring concept
- Regular invited lectures by practicing industrypersonnel
- Reflective learning with outcome orientedassessment
- In situ training for practical experiential learning, etc.

Co-Curricular improvement activities

Co-curricular activities fuel learning by stimulating creative thought, improving social and organizational skills, developing interests and talents in the selected field of endeavor. For this the department has adopted the following techniques.

- Regular Industry outreach programme.
- Mini project for problemsolving.
- Organizing certificate programs and short term training courses

Extra-Curricular improvement activities

Extracurricular activities fuel learning by inching towards improved academic performance embracing the idea of holistic development. The department periodically engages the students in various extracurricular activities to promote higher Self-esteem. For this some of the techniques adopted are:

- SocialOpportunities
- Productive breaks through sports and culturalactivities
- Essential lifeskills

Identification ofStrengths

Determining learning objectives

A systematic, manageable, attainable, practical and time bound approach of learning environment has fostered among our students the entrepreneurial mindset and has encouraged innovationandtheabilitytoidentifyandpursuenewbusinessopportunities.Thispracticalapproach hasalsoimmenselyimpactedontheirfutureperformanceintheindustry.

Designing Curriculum and Co-curriculum

The curriculum undergoes continuous enhancements based on crucial recommendations from academicscholarsandactiveindustrymanagers.Co-curricularactivitiesencompassindustry outreach programsthatextendthelearningexperiencebeyondthe classroom fosteringthedevelopment ofup- to-dateindustryorientedknowledgeamongbuddingbusinessprofessionals.

Designing Teaching and Learning Methods

Teaching through discussions fosters direct engagement with real-world issues. ultimately empowering students to synthesize their own case studies Collaborative learning improves students' understanding with profound insights and intellectual growth. This learning approach is designed to stimulate critical thinking, sound judgment, and particularly effective problem- solving skills.

Developing Student Learning Assessment

The students' performances are assessed through a blind checking process through

***a) CreatingAssignment*:**

i. Assignmentshaveaclearanddefinedpurpose,withspecificscoringguidelines.

ii. Selecting captivating and demandingsubjects.

iii. Distributing assignments in accordance with the course objectives and academic schedule throughout thesemester.

iv. Integrating problem solving components into theassignments.

***b) Examination*:**

i. Internal as well as end-of-semester examinations serve the dual purpose of quantifying and qualitatively assessing studentsperformance.

ii. Questions are formulated with course outcomes in mind. The discrepancies between actual and expected performance is computed and accordingly remedial actions are initiated that are subsequently reviewed in the next assessmentcycle.

c) Classroom assessmenttechniques:

Classroomassessmenttechniquesareimplementeddeliberatelyforkeepingthestudents focused with topic to be discussed in the subsequent classes. This has nurtured a drive for ongoing improvement and fostered a positive, competitive spirit oflearning.

d) Assessing the communication and presentation skills of thestudents:

Giving surprise presentations within short notice has boosted students' self-confidence, which is and such kind of evaluation will undoubtedly prove to be advantageous in their future personal and professionalpursuits.

e) Assuring Implementation of QualityEducation

In addition tó delivering education based on market demand, the program's projected goal is to motivate the students to progress their knowledge and skills so they cn perform better in the industry.

Identification of Weaknesses

Limited Funding: Limited allocations often leading the delay and severe impact to meet global accreditation standards, conduct advanced research and contribute to scientific advancements in pharmaceuticals and healthcare, procuring cutting edge technology pharma laboratory equipment thus hindering the holistic development of the learning experiences and outcomes of the students. It also results to attract and retain the highly skilled and qualified faculty and staff which are critical and catalysts in successful pharmacy education and strain on existing infrastructure.

Vintage Curriculum: With the prevailing affiliations with the University, struggle to update the curriculum regularly on an annual basis to meet the ever changing global challenges and to keep up with the evolving field of pharmacy. As a result, students might be taught outdated practices and miss out on new developments in the industry like impact of AI and machine learning in Pharma industry.

2. Information related to Students and AcademicActivities

A] Profile ofStudents

Admission

A Bachelor of Pharmacy (B.Pharm) is an undergraduate degree in the field of pharmacy. A candidate for admission must have passed the Intermediate examination of the Telangana State Board of Intermediate Education with Mathematics, Physics and Chemistry/Biology as optional subjects or any other examination recognized by the Telangana board of Intermediate or equivalent there to.All the eligible applicants have to pass the Entrance Examination conducted by the Government of Telangana. The admissions are based on merit secured at the Entrance Examination.

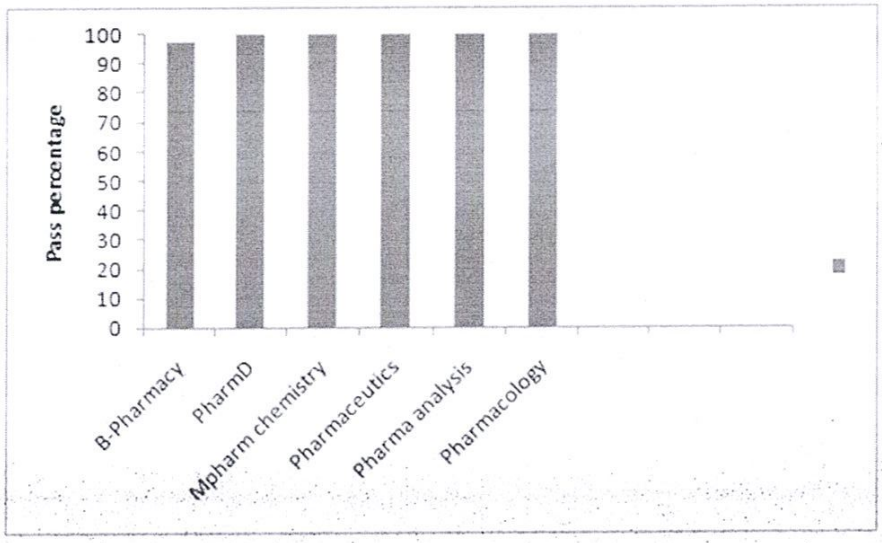
Master of Pharmacy (M.Pharma) in India is offered as post graduate course after completion of B.Pharma degree. The M.Pharma course is of two years duration. Candidates who passed B.Pharm should qualify GPAT or PGCET exam

Pharma D is six years Graduation course. Candidates who passed Intermediate should qualify TS EAMCET exam. Admission will be through counseling.

B| Result Analysis (2022-2023): Evaluation of outcome based Teaching-Learningprocess

Result Status:

S.NO	COURSE	No of students appeared	No of students passed and eligible for the degree	Pass percentage
1	B-Pharmacy	80	78	97.5
2	PharmD	18	18	100
3	M-Pharmacy Pharmaceutical chemistry	3	3	100
4	M-Pharmacy Pharmaceutics	9	9	100
5	M-Pharmacy Pharmaceutical Analysis	7	7	100
6	M-Pharmacy Pharmacology	7	7	100



C] Placement Status(2022-23):

Final Placement:

Top Recruiters of our Pharmacy students are Omics, Doctus, Appolo, MSN laboratories, Primera Medical Technologies,KIMs hospital, J.J College of Pharmacy, CTS,Laurus labs limited, Rajiv Gandhi Institute of medical sciences,Cognizant. 51 students were selected in campus placements and 19 students opted higher studies.

D] Student's Feedback(2022-23):

SL NO	CRITERIA	2022-23
1	Content of Syllabi of the Courses	93.65%
2	Extent of Syllabus Covered in the Class	92.07%
3	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	90.83%
4	Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc	92.35%
5	Student Teacher Interaction	91.94%

6	Integration of Theory and Practical in Classes	94.36%
7	Stimulation for Innovative Thinking	93.18%
8	Overall Learning Experience	94.51%
9	Condition of Lab Equipment	92.88%
10	Availability of Online Resources	91.53%
11	Opportunities in the Department/University for Research Activities	93.65%
12	Opportunity to Participate in Seminar/Workshop/Conference/ResearchProjects	92.07%
13	Experience with Research Environment	90.83%
14	Participation in Co-Academic and Cultural Events	93.5%

E] Parents –TeacherMeeting:

Parents –Teacher meeting is an integral part of student development at every level of education. The feedback from parents is immensely effective and beneficial for both the parents and the department providing in-depth insights about the departmental activities and identification of the possible scope of improvement through their constructive suggestions. It also focuses the positive vistas of the department. Side by side, parents also come to know about the progress status of their children and can keep posted about the reasons behind. Parents become aware about the placement facilities and holistic improvement of thestudents.

3. Information related to Research, Consultancy of Faculty Members and Different Initiatives by the Department(2022-23)

A] Research and Consultancy Activities of Faculty Members(2022-23)

WORKSHOP	SEMINAR		SYMPOSIUM
	NATIONAL	INTERNATIONAL	
2	1	1	0

RESEARCH PAPER		CONFERENCE	
Publications	UGC Care list journals	NATIONAL	INTERNATIONAL
52	11	2	2

BOOK/BOOK CHAPTER	FDP/MDP	RESEARCH GUIDANCE	Patents Filed	Patents Granted
7	27	6	3	3

CONSULTANCY

Title of Project/Consultancy	Funding Agency	Submittedon / Startedfrom	Investigators	Requested Amount (Rs.)
Preparation of Metadoxin 500mg tablets	Leads Pharma Pvt Ltd	Submitted	Dr.A.Krishnasailaja Dr.KVRatnamala	400000
Formulation of baby nappy rash gel	Leads Pharma Pvt Ltd	Submitted	Dr.A.Krishnasailaja Dr.KVRatnamala	100000

B] Initiatives by the IQAC (2022-23)

As a quality bench mark for various academic and administrative activities of theinstitute the Following Events have been conducted by IQAC

28/07/2022	World hepatitis day
22/08/2022	World Enterpreneurs day
5/09/2022	Teachers day
17/09/2022 to 23/09/2022	Pharmacovigilance week celebrations
25/09/2022	World Pharmacist day
29/09/2022	World heart day
13/10/2022	Batukamma celebration
1/11/2022	National Unity day
17/11/2022	National epilepsy day
22/11/2022 to 27/11/2022	Pharmacy week celebrations
1/12/2022	World AIDS day
10/12/2022	Human rights day
23/12/2022	Christmas celebrations

24-01- 2023	Celebrated national girl child day. E.Aekkeshwar Rao, District welfare officer addressed the participants explained about welfare measures for the girls
28-02-2023	National science day celebrations. Lecture was delivered by Dr.KarunaRupala, HOD, OU Competitions were conducted among school students
8-03-2023	International women's day celebrated at our college campus
7-04-2023	World health day
22-04-2023	World earth day
11/04/2023	Practical training Program for laboratory technicians on analytical equipment
10/4/2023 to 15-04-2023	Organized FDP on "Strategies for Professional and Personal development of a teacher"
8-05-2023	World red cross day
21/06/2023	International Yoga day celebrations. Mr.Ram Mohan rao from BharatiyaYogSansthan was invited and faculty along with the students performed Yoga asanas

1. Implementation plan(s) for improvement initiative(s) with the highest priority

Following activities are going to be taken for more intensive development of the learner

- Organizing frequent and regular industry visit to give a hands-on experience of the industry to the existing students.
- Organizing short term training program for the faculty members for theguidance from the industrial experts upon recent advancements in the pharmaceutical research
- Orientation of the pedagogy in the line of problem solving and critical thinking by incorporation of case studies analysis in the classroom.

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Determining learning objectives

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Designing Curriculum and Co-curriculum

The curriculum undergoes continuous enhancements based on crucial recommendations from academic scholars and active industry managers. Co-curricular activities encompass industry

outreach programs that extend the learning experience beyond the classroom fostering the development of up- to-date industry oriented knowledge among budding business professionals.

Designing Teaching and Learning Methods

Teaching through discussions fosters direct engagement with real-world issues, ultimately empowering students to synthesize their own case studies Collaborative learning improves students' understanding with profound insights and intellectual growth. This learning approach is designed to stimulate critical thinking, sound judgment, and particularly effective problem- solving skills.

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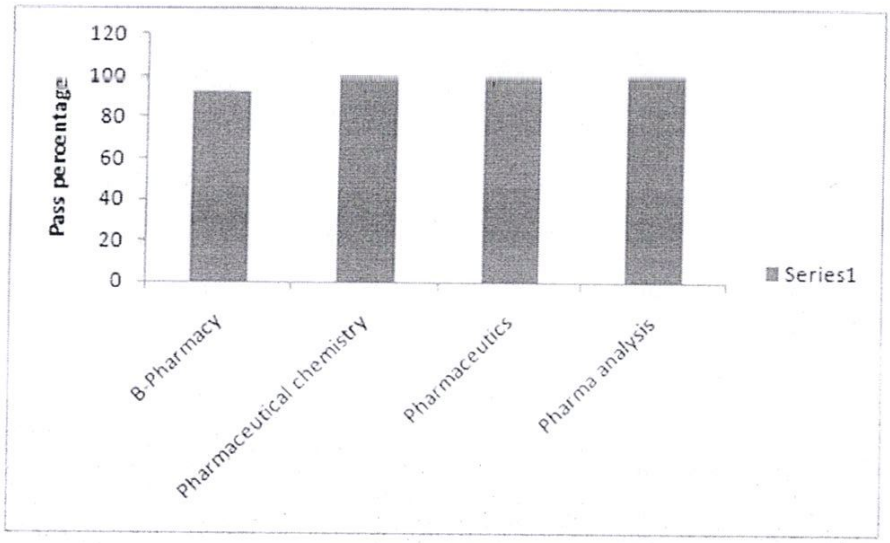
Pharma D is six years Graduation course. Candidates who passed Intermediate should qualify TS EAMCET exam. Admission will be through counseling.

B] Result Analysis (2021-2022): Evaluation of outcome based Teaching-Learningprocess

Result Status:

S.NO	COURSE	No of students appeared	No of students passed and eligible for the degree	Pass percentage
1	B-Pharmacy	109	101	92.66
2	M-Pharmacy Pharmaceutical chemistry	1	1	100
3	M-Pharmacy Pharmaceutics	8	8	100
4	M-Pharmacy Pharmaceutical Analysis	5	5	100



C] Placement Status(2021-2022):

Final Placement:

Top Recruiters of our Pharmacy students are **doctus software solution, Apollo Pharmacy,Omics International**. Total 25 students were placed in different companies and 21 members opted higher studies

D] Student's Feedback(2021-2022):

SL NO	CRITERIA	2021-2022
1	Content of Syllabus of the Courses	92.65%
2	Extent of Syllabus Covered in the Class	91.07%
3	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	91.83%
4	Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc	93.35%

5	Student Teacher Interaction	92.94%
6	Integration of Theory and Practical in Classes	94.36%
7	Stimulation for Innovative Thinking	92.18%
8	Overall Learning Experience	93.51%
9	Condition of Lab Equipment	91.88%
10	Availability of Online Resources	90.53%
11	Opportunities in the Department/University for Research Activities	92.65%
12	Opportunity to Participate in Seminar/Workshop/Conference/ResearchProjects	91.07%
13	Experience with Research Environment	90.63%
14	Participation in Co-Academic and Cultural Events	92.5%

E] Parents –Teacher Meeting:

Parents –Teacher meeting is an integral part of student development at every level of education. The feedback from parents is immensely effective and beneficial for both the parents and the department providing in-depth insights about the departmental activities and identification of the possible scope of improvement through their constructive suggestions. It also focuses the positive vistas of the department. Side by side, parents also come to know about the progress status of their children and can keep posted about the reasons behind. Parents become aware about the placement facilities and holistic improvement of the students.

3. Information related to Research, Consultancy of Faculty Members and Different Initiatives by the Department(2021-2022)

A] Research and Consultancy Activities of Faculty Members(2021-22)

WORKSHOP	SEMINAR		SYMPOSIUM
	NATIONAL	INTERNATIONAL	

1	3	0	0

RESEARCH PAPER		CONFERENCE	
Publications	UGC Care list journals	NATIONAL	INTERNATIONAL
59	12	2	2

BOOK/BOOK CHAPTER	FDP/MDP attended	RESEARCH GUIDANCE	Patents Filed	Patents Granted
3	22	6	3	1

CONSULTANCY

Title of Project/Consultancy	Funding Agency	Submittedon / Startedfrom	Investigators	Requested Amount (Rs.)
Preparation of Metadoxin 500mg tablets	Leads Pharma Pvt Ltd	Started on 12th October 2018	Dr.A.Krishnasailaja Dr.KVRatnamala	400000
Formulation of baby nappy rash gel	Leads Pharma Pvt Ltd	Started on 21st May 2019	Dr.A.Krishnasailaja Dr.KVRatnamala	100000

B] Initiatives by the IQAC (2021-2022)

As a quality bench mark for various academic and administrative activities of theinstitute the Following Events have been conducted by IQAC

28 July, 2021	**World Nature conservation day**
28 July, 2021	World Hepatitis Day
4 August,2021	Induction Programme to newly Recruited Faculty by Dr.SudhaParimala
4 August,2021	Training Session to Faculty members on the usage of "Digital Classrooms" by Dr.K.V.Ratnamala
15 August,2021	Independence Celebrations
15 August,2021	Independence Celebrations
17th – 23 rdSeptember 2021	**Vigilance Awareness Week** (Webinar)
25 September 2021	**World Pharmacist Day Celebrations**(e- quiz and elocution)
13 October ,2021	**Traditional Day Celebrations** (Virtual Events like Singing Competition for Bathukamma Folk Songs And Bathukamma Making Competition)
30th October ,2021	National Unity Day(outdoor (Tennikoit) and indoor games (Carrom Board, Chess), Short Rally Marathon,Unity Pledge)
25 December,2021	Christmas Celebrations(cake baking ,dancing, singing, food stalls)
11 January,2022	**Traditional Day**
26 January,2022	**Republic Day** (Quiz, TricolourRangoli, Elocution, patriotic songs)

1 February,2022	Webinar on "Emerging Trends In Natural Product Research"
21st January,2022	WEBINAR on Importance of Profession Ready Training in Clinical Research and Pharmacovigilance
4 February,2022	**World Cancer Day(** virtual events like Fitness Challenge, Illustration Competition and online session of webinar)
08-03-2022	**International Women's day** (Webinar).
16/03/2022	**National vaccination day**
7/04/2022	**Traditional Day Celebrations** (Virtual Events like Singing Competition for Bathukamma Folk Songs And Bathukamma Making Competition)
30th October ,2021	World health day
08/05/2022	World red cross day(cake baking ,dancing, singing, food stalls)
21/06/2022	**International Yoga Day**

4. Aesthetic Developments of the college (2021-2022)

Several aesthetic developments took place in department over the year 2021-2022.

1. Induction program was designed for the newly recruited faculty by the senior faculty to improve the teaching learning skills of the junior faculty
2. Faculty published 59 papers in various National and International journals
3. Faculty started working on innovative ideas and filed patents

4. Initiatives to address practices that need improvement

Gap Identified	Action taken to fill the gap
Faculty need to improve their research skills and should able to do more publications in scopus indexed journals	Faculty projects were assigned by Head of the institution in all the departments to enhance the research capabilities among the faculty members
Received feedback from the industries to train the students in different contemporary topics to make them industry ready	Conducting certificate courses in the area of IPR, Pharmacovigillance and Advanced Analytical techniques to train the students as per the requirements of industry

1. Implementation plan(s) for improvement initiative(s) with the highest priority

Following activities are going to be taken for more intensive development of the learner

- The college is encouraging innovative ideas and providing all the chemicals and reagents for working on innovative ideas
- organizing lectures in the area of intellectual property rights and encouraging the students to file patents
- Orientation of the pedagogy in the line of problem solving and critical thinking by incorporation of case studies analysis in the classroom.

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PROFESSOR
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Our vision is to be a leading institution in pharmaceutical education and research, empowering students to become compassionate and competent pharmacists. We aim to foster an environment of academic excellence, innovation, and lifelong learning. Our institution strives to be at the forefront of pharmacy education, producing graduates who are equipped with cutting-edge knowledge and skills to meet the evolving healthcare needs of society. We are committed to nurturing a culture of ethics, integrity, and social responsibility among our students. Through collaborative partnerships and interdisciplinary approaches, we seek to advance pharmaceutical sciences, address global health challenges, and contribute to the betterment of public health.

Objective and Scope of the Audit

The primary focus of this academic audit is to adopt self-improvement measures as well as incorporating continuous improvement of different departmental activities to pursue excellence in practices.

The college has already developed an outcome based teaching-learning approach, redesigned an updated curriculum and co-curriculum with an objective to a value added learning methodology, reliable student assessment and student engagement programs.

The current state of efforts to improve student learning and the academic quality of the program

College has created an academic environment to improve student perception and approaches towards learning and their learning outcome. An outcome-based pedagogy was followed to redesign the syllabus in active participation of the industry representatives. Academicians

from different prestigious institutions incorporated their valuable thoughts while designing the curriculum and syllabus. The faculty members have also started a "Learner Centric Approach" in teaching. Accordingly the assessment style in sync with the "Course Objective" attainment has been primed by the department. Innovative teaching processes were adopted to implement the practical and creative aspects of acquired knowledge and to attain the highest level of strata of modified "Bloom's Taxonomy" thereafter. The college has taken several initiatives to implement experiential learning, which is a philosophy and methodology of educators as it purposefully engage students in direct experience in order to increase knowledge, develop skills and to clarify values. Apart from these, the reflective learning process focuses on the development of critical-thinking skills through the internal process of examining strengths and exploring areas for improvement.

To be precise new improved teaching approach incorporated the following techniques:

- Encourage learning mindset
- Outcome based teaching
- Implement student feedback in teaching methodology
- Mentoring concept
- Regular invited lectures by practicing industry personnel
- Reflective learning with outcome oriented assessment
- In situ training for practical experiential learning, etc.

Co-Curricular improvement activities

Co-curricular activities fuel learning by stimulating creative thought, improving social and organizational skills, developing interests and talents in the selected field of endeavor. For this the department has adopted the following techniques.

- Regular Industry outreach programme.
- Mini project for problem solving.
- Organizing certificate programs and short term training courses

Extra-Curricular improvement activities

Extracurricular activities fuel learning by inching towards improved academic performance embracing the idea of holistic development. The department periodically engages the students in various extracurricular activities to promote higher Self-esteem. For this some of the techniques adopted are:

- Social Opportunities
- Productive breaks through sports and cultural activities
- Essential life skills

Identification of Strengths

Determining learning objectives

A systematic, manageable, attainable, practical and time bound approach of learning environment has fostered among our students the entrepreneurial mindset and has encouraged innovation and the ability to identify and pursue new business opportunities. This practical approach has also immensely impacted on their future performance in the industry.

Designing Curriculum and Co-curriculum

The curriculum undergoes continuous enhancements based on crucial recommendations from academic scholars and active industry managers. Co-curricular activities encompass industry outreach programs that extend the learning experience beyond the classroom fostering the development of up- to-date industry oriented knowledge among budding business professionals.

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Teaching through discussions fosters direct engagement with real-world issues, ultimately empowering students to synthesize their own case studies Collaborative learning improves students' understanding with profound insights and intellectual growth. This learning approach is designed to stimulate critical thinking, sound judgment, and particularly effective problem- solving skills.

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The students' performances are assessed through a blind checking process through

***a) Creating Assignment*:**

i. Assignments have a clear and defined purpose, with specific scoring guidelines.

ii. Selecting captivating and demanding subjects.

iii. Distributing assignments in accordance with the course objectives and academic schedule throughout the semester.

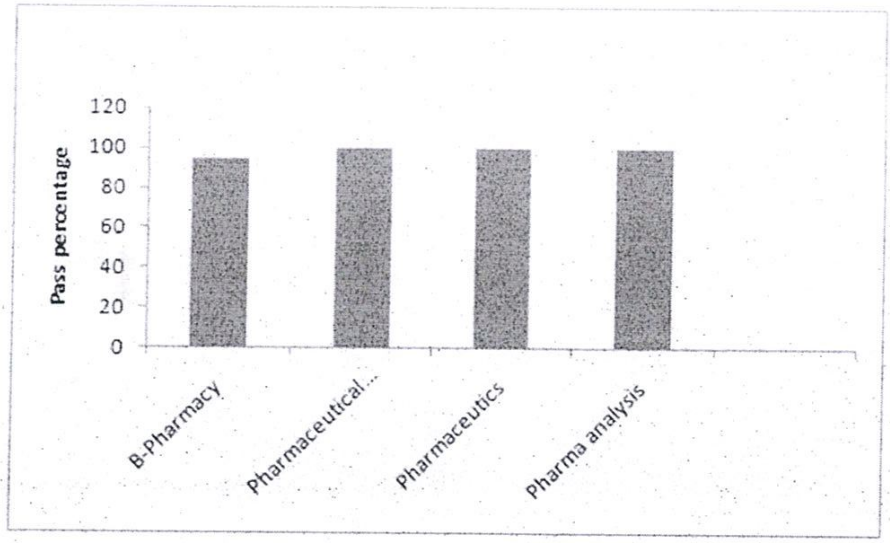
iv. Integrating problem solving components into the assignments.

***b) Examination*:**

i. Internal as well as end-of-semester examinations serve the dual purpose of quantifying and qualitatively assessing students performance.

ii. Questions are formulated with course outcomes in mind. The discrepancies between actual and expected performance is computed and accordingly remedial actions are

	chemistry			
3	M-Pharmacy Pharmaceutics	13	13	100
4	M-Pharmacy Pharmaceutical Analysis	6	6	100



C] Placement Status(2020-21):

Final Placement:

Top Recruiters of our Pharmacy students are Omics, Doctus, Clinevo Technologies PVT LTD, Primera, Apollo pharmacy, ICON, Evertogen life sciences, Pharmacist in UPHC. Total 16 studebnts were placed in various companies and 31 students opted higher studies.

D] Student's Feedback(2020-2021):

SL NO	CRITERIA	2020-21

1	Content of Syllabus of the Courses	90.65%
2	Extent of Syllabus Covered in the Class	92.07%
3	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	89.83%
4	Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc	91.35%
5	Student Teacher Interaction	95.94%
6	Integration of Theory and Practical in Classes	74.36%
7	Stimulation for Innovative Thinking	93.18%
8	Overall Learning Experience	93.51%
9	Condition of Lab Equipment	91.88%
10	Availability of Online Resources	90.53%
11	Opportunities in the Department/University for Research Activities	92.65%
12	Opportunity to Participate in Seminar/Workshop/Conference/ResearchProjects	91.07%
13	Experience with Research Environment	89.83%
14	Participation in Co-Academic and Cultural Events	53.2%

E] Parents –Teacher Meeting:

Parents –Teacher meeting is an integral part of student development at every level of education. The feedback from parents is immensely effective and beneficial for both the parents and the department providing in-depth insights about the departmental activities and identification of the possible scope of improvement through their constructive suggestions. It also focuses the positive vistas of the department. Side by side, parents also come to know about the progress status of their children and can keep posted about the reasons behind.

Parents become aware about the placement facilities and holistic improvement of the students.

3. Information related to Research, Consultancy of Faculty Members and Different Initiatives by the Department(2020-21)

A] Research and Consultancy Activities of Faculty Members(2020-2021)

WORKSHOP/ WEBINAR	SEMINAR/Webinars		SYMPOSIUM
	NATIONAL	INTERNATIONAL	
1	4	2	0

RESEARCH PAPER		CONFERENCE	
Publications	UGC Care list journals	NATIONAL	INTERNATIONAL
65	1	1	2

BOOK/BOOK CHAPTER	FDP/MDP	RESEARCH GUIDANCE	Patents Filed	Patents Granted
3	15	6	3	0

CONSULTANCY

Title of Project/Consultancy	Funding Agency	Submitted on / Startedfrom	Investigators	Requested Amount (Rs.)

Preparation of Metadoxin 500mg tablets	Leads Pharma Pvt Ltd	Started on 12th October 2018	Dr.A.Krishnasailaja Dr.KVRatnamala	400000
Formulation of baby nappy rash gel	Leads Pharma Pvt Ltd	Started on 21stMay 2019	Dr.A.Krishnasailaja Dr.KVRatnamala	100000

B] Initiatives by the IQAC (2020-2021)

As a quality bench mark for various academic and administrative activities of the institute the Following Events have been conducted by IQAC

04/08/2020 to 08/08/2020	Organized Five day webinar on artificial intelligence in drug discovery and development
15/08/2020	Independence day celebrations
3/10/2020	virtual guest lecture on "Pharmacovigilance in drug discovery
12/10/2020 to 14/10/2020	three-day webinar on "New horizons of therapeutic targets in antiviral drug discovery
5/11/2020 to 07/11/2020	three-day webinar on "Women empowerment & Entrepreneurship development"
17/11/2020 to 23/11/2020	National pharmacy week celebrations
22/12/2020 to 24/12/2020	"Women empowerment & Entrepreneurship development
28/12/2020to 5/01/2021	Induction Program for pharmacy students
26/1/2021	Republic day celebrations
1/03/2021	National science day ceebrations
06/03/2021	WEBINAR ON COMPUTATIONAL OUTLOOK IN DRUG DESIGN
March 8th 2021	International Women's Day

March 24th 2021	World Tuberculosis Day
April 8, 2021	International Webinar On Pharmacy Practice: The global scenario
22nd April 2021	Earth Day
8th May,2021	World Red Cross Day
5th June,2021	World Environment Day
21st June,2021	International Yoga Day

4. Aesthetic Developments of the college (2020-2021)

Several aesthetic developments took place in department over the year 2020-21.

1. Organized Five day webinar on artificial intelligence in drug discovery and development and three-day webinar on "New horizons of therapeutic targets in antiviral drug discovery
2. In Covid pandemic also the college was able to publish more than 60 papers in various national and international journals
3. Conducted events and webinars from 17th to 23rd November 2020 on occasion of 59th National Pharmacy Week-2020 Conducted webinar on "**Patient Centric Drug Information Service for reducing medication error**" in Association with Wolters Kluwer on 20th November 2020
4. Organized a three day virtual webinar on "International Webinar On "Concept Of Qbd In Formulation" from 10th to 12th May 2021 and conducted certificate course in pharmacovigilance and green chemistry

5. Initiatives to address practices that need improvement

Gap Identified	Action taken to fill the gap
Students are not having practical exposure during covid period	Practical Classes were framed with 10 members per lab by following all Covid Measurements
Received feedback from the industries to train the students in different contemporary topics to make them industry ready	Conducting certificate courses in the area of IPR, green chemistry, Pharmacovigillance and Advanced Analytical techniques to train the students as per the requirements of industry

1. **Implementation plan(s) for improvement initiative(s) with the highest priority**

Following activities are going to be taken for more intensive development of the learner

- Conducting certificate courses in the area of QbD and design of experiments in formulation research
- Organizing short term training program for the faculty members for theguidance from the industrial experts upon recent advancements in the pharmaceutical research

RBVRR WOMEN'S COLLEGE OF PHARMACY

INTERNAL ACADEMIC AUDIT REPORT: Year -2019-2020

Date of Academic Audit: 07/07/2020

The Committee:

RBVRR Women's college of pharmacy has constituted a six members internal audit committee to conduct an academic audit of the all the courses. The following is the structure of the audit committee:

Sl No	Name of the Faculty Member	Designation	Roll in the Committee	Signature and Date
1	Prof.V.Ramesh Kumar	Professor, OUCT, Osmania University	Convener	7/7/2020 PROFESSOR University College of Techr Osmania University, Hydera
2	Dr.SudhaParimala	Vice Principal	Member	
3	Dr.A.Krishnasailaja	Professor	Member	
4	Dr. J.Archana	Professor	Member	
5	Dr.M.VijayaBhargavi	Associate Professor	Member	

1. Introduction

RBVRR Women's College of Pharmacy was established in the year 2006 under "Hyderabad MahilaVidyaSangham" to provide education to women students and offers offers the entire spectrum of Pharmacy education: B.Pharm, M.Pharm (pharmaceutical chemistry, Pharmacology,

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iv. Integrating problem solving components into the assignments.

***b) Examination*:**

i. Internal as well as end-of-semester examinations serve the dual purpose of quantifying and qualitatively assessing students performance.

ii. Questions are formulated with course outcomes in mind. The discrepancies between actual and expected performance is computed and accordingly remedial actions are

initiated that are subsequently reviewed in the next assessment cycle.

c) Classroom assessment techniques:

Classroom assessment techniques are implemented deliberately for keeping the students focused with topic to be discussed in the subsequent classes. This has nurtured a drive for ongoing improvement and fostered a positive, competitive spirit of learning.

d) Assessing the communication and presentation skills of the students:

Giving surprise presentations within short notice has boosted students' self-confidence, which is and such kind of evaluation will undoubtedly prove to be advantageous in their future personal and professional pursuits.

e) Assuring Implementation of Quality Education

In addition to delivering education based on market demand, the program's projected goal is to motivate the students to progress their knowledge and skills so they cn perform better in the industry.

Identification of Weaknesses

Limited Funding: Limited allocations often leading the delay and severe impact to meet global accreditation standards, conduct advanced research and contribute to scientific advancements in pharmaceuticals and healthcare, procuring cutting edge technology pharma laboratory equipment thus hindering the holistic development of the learning experiences and outcomes of the students. It also results to attract and retain the highly skilled and qualified faculty and staff which are critical and catalysts in successful pharmacy education and strain on existing infrastructure.

Vintage Curriculum: With the prevailing affiliations with the University, struggle to update the curriculum regularly on an annual basis to meet the ever changing global challenges and to keep up with the evolving field of pharmacy. As a result, students might be taught outdated practices

and miss out on new developments in the industry like impact of AI and machine learning in Pharma industry.

2. Information related to Students and Academic Activities

A] Profile ofStudents

Admission

A Bachelor of Pharmacy (B.Pharm) is an undergraduate degree in the field of pharmacy. A candidate for admission must have passed the Intermediate examination of the Telangana State Board of Intermediate Education with Mathematics, Physics and Chemistry/Biology as optional subjects or any other examination recognized by the Telangana board of Intermediate or equivalent there to. All the eligible applicants have to pass the Entrance Examination conducted by the Government of Telangana. The admissions are based on merit secured at the Entrance Examination.

Master of Pharmacy (M.Pharma) in India is offered as post graduate course after completion of B.Pharma degree. The M.Pharma course is of two years duration. Candidates who passed B.Pharm should qualify GPAT or PGCET exam

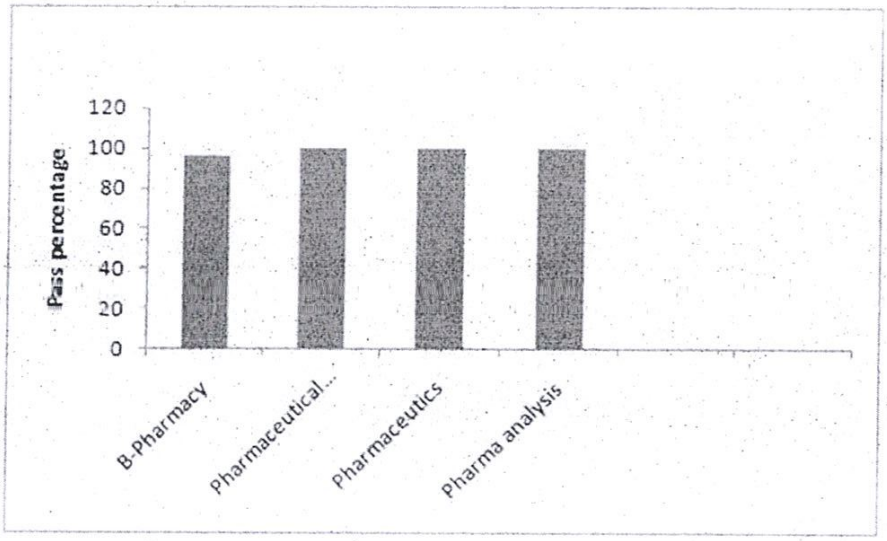
Pharma D is six years Graduation course. Candidates who passed Intermediate should qualify TS EAMCET exam. Admission will be through counseling.

B] Result Analysis (2019-2020): Evaluation of outcome based Teaching-Learning process

Result Status:

S.NO	COURSE	No of students appeared	No of students passed and eligible for the degree	Pass percentage
1	B-Pharmacy	84	81	96.42
2	M-Pharmacy Pharmaceutical	4	4	100

	chemistry			
3	M-Pharmacy Pharmaceutics	11	11	100
4	M-Pharmacy Pharmaceutical Analysis	9	9	100



[C]Placement Status(2019-2020):

Final Placement:

Top Recruiters of our Pharmacy students are Omics, Doctus, Appolo, Visionary RCM, Zastra IT Solutions pvt.ltd, Legato, Global Data. 13 students joined in various companies and 33 members opted higher studies.

C] Student's Feedback(2019-2020):

SL NO	CRITERIA	2019-2020
1	Content of Syllabi of the Courses	91.65%
2	Extent of Syllabus Covered in the Class	90.07%
3	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	95.83%
4	Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc	90.35%
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10	Availability of Online Resources	91.53%
11	Opportunities in the Department/University for Research Activities	92.65%
12	Opportunity to Participate in Seminar/Workshop/Conference/ResearchProjects	91.07%
13	Experience with Research Environment	91.83%
14	Participation in Co-Academic and Cultural Events	92.5%

D] Parents –Teacher Meeting:

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It also focuses the positive vistas of the department. Side by side, parents also come to know about the progress status of their children and can keep posted about the reasons behind. Parents become aware about the placement facilities and holistic improvement of the students.

3. Information related to Research, Consultancy of Faculty Members and Different Initiatives by the Department(2019-2020)

A] Research and Consultancy Activities of Faculty Members(2019-2020)

WORKSHOP/FDP	SEMINAR		SYMPOSIUM
	NATIONAL	INTERNATIONAL	
2	0	0	0

RESEARCH PAPER		CONFERENCE	
Publications	UGC Care list journals	NATIONAL	INTERNATIONAL
50	4	2	2

BOOK/BOOK CHAPTER	FDP/MDP attended	RESEARCH GUIDANCE	Patents Filed	Patents Granted
0	26	6	3	0

CONSULTANCY

Title of Project/Consultancy	Funding Agency	Submitted on / Startedfrom	Investigators	Requested Amount (Rs.)
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B] Initiatives by the Institute development monitoring committee (2019-2020)

As a quality bench mark for various academic and administrative activities of the institute the Following Events have been conducted by IDMC

15/08/2019	Independence day celebrations
30/08/2019 to 31/08/2019	National seminar on Human genome project in drug discovery and development
5/09/2019	Teachers day
4/09/2019 to 11/09/2019	Induction program for pharmacy students
25/09/2019	**World Pharmacist day**
17/11/2019 to 22/11/2019	**Pharmacy week celebrations**
26-01- 2020	Republic day celebrations
27/01/2020 to 31/01/2020	Five Day NATCO Sponsored FDP program
14/02/2020 to 15/02/2020	Conducted guest lecture on " Tandem mass Spectroscopy"byDr.R.Srinivas, Emeritus Profess, CSIR-IICT Hyderabad
29/02/2020	Conducted guest lecture on "Two dimensional NMR Techniques" by Dr.A.K Bhavani Osmania University
5/03/2020	Conducted guest lecture on "Wellness of She" by Dr.Sirishareddy, Gynecologist, Care hospital

4. Aesthetic Developments of the college (2019-2020)

Several aesthetic developments took place in department over the year 2019-2020.

1. A 5-Day "Faculty Development Programme was organized by the college sponsored by NATCO Pharma. Ltd." on **"Modern Teaching – Learning Techniques in Pharmaceutical Sciences with Hands on Experience"** was conducted from 27-01-2020 to 31-01-2020
2. Conducted national seminar on Human genome project in drug discovery and development
3. Conducted guest lecturers in different disciplines to enhance the knowledge of students
4. A five (5) day 58th National Pharmacy Week Celebrations (17th to 22nd Nov 2019) were conducted in collaboration with the IPA State branch successfully
5. Faculty published 50 research papers

6. Initiatives to address practices that need improvement

Gap Identified	Action taken to fill the gap
Collaborative works has to be planned with industry	A consultancyproject was sanctioned by Leads Pharma Pvt Ltd onPreparation of Metadoxin 500mg tablets One more project work was sanctioned on Formulation of baby nappy rash gel
Received feedback from the industries to train the students in different contemporary topics to make them industry ready	Conducting certificate courses in the area of, Pharmacovigillance and Advanced Analytical techniques to train the students as per the requirements of industry
Junior faculty need training on various teaching learning methods	A 5-Day "Faculty Development Programme was organized by the college sponsored by NATCO Pharma. Ltd." on "Modern Teaching – Learning Techniques in Pharmaceutical Sciences with Hands on Experience"

1. **Implementation plan(s) for improvement initiative(s) with the highest priority**

Following activities are going to be taken for more intensive development of the learner

- Organizing frequent and regular industry visit to give a hands-on experience of the industry to the existing students.
- Organizing certificate programs for the training of students on emerging areas to make them industry ready

RBVRR WOMEN'S COLLEGE OF PHARMACY

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iv. Integrating problem solving components into the assignments.

b) Examination:

i. Internal as well as end-of-semester examinations serve the dual purpose of quantifying and qualitatively assessing students performance.

ii. Questions are formulated with course outcomes in mind. The discrepancies between actual and expected performance is computed and accordingly remedial actions are initiated that are subsequently reviewed in the next assessment cycle.

c) Classroom assessment techniques:

Classroom assessment techniques are implemented deliberately for keeping the students focused with topic to be discussed in the subsequent classes. This has nurtured a drive for ongoing improvement and fostered a positive, competitive spirit of learning.

d) Assessing the communication and presentation skills of the students:

Giving surprise presentations within short notice has boosted students' self-confidence, which is and such kind of evaluation will undoubtedly prove to be advantageous in their future personal and professional pursuits.

e) Assuring Implementation of Quality Education

In addition to delivering education based on market demand, the program's projected goal is to motivate the students to progress their knowledge and skills so they cn perform better in the industry.

Identification of Weaknesses

Limited Funding: Limited allocations often leading the delay and severe impact to meet global accreditation standards, conduct advanced research and contribute to scientific advancements in pharmaceuticals and healthcare, procuring cutting edge technology pharma laboratory equipment thus hindering the holistic development of the learning experiences and outcomes of the students. It also results to attract and retain the highly skilled and qualified faculty and staff which are critical and catalysts in successful pharmacy education and strain on existing infrastructure.

Vintage Curriculum: With the prevailing affiliations with the University, struggle to update the curriculum regularly on an annual basis to meet the ever changing global challenges and to keep up with the evolving field of pharmacy. As a result, students might be taught outdated practices and miss out on new developments in the industry like impact of AI and machine learning in Pharma industry.

2. Information related to Students and Academic Activities

A] Profile ofStudents

Admission

A Bachelor of Pharmacy (B Pharm) is an undergraduate degree in the field of pharmacy. A candidate for admission must have passed the Intermediate examination of the Telangana State Board of Intermediate Education with Mathematics, Physics and Chemistry/Biology as optional subjects or any other examination recognized by the Telangana board of Intermediate or equivalent there to.All the eligible applicants have to pass the Entrance Examination conducted by the Government of Telangana. The admissions are based on merit secured at the Entrance Examination.

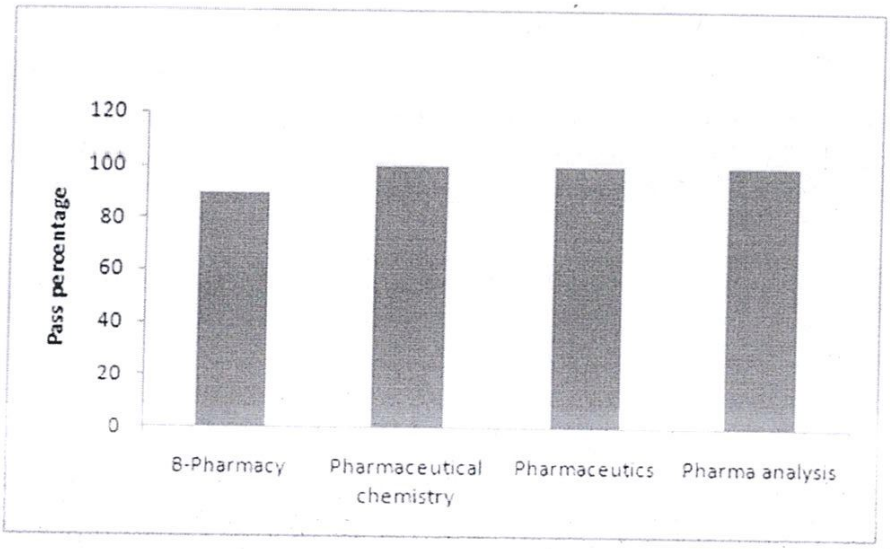
Master of Pharmacy (M.Pharma) in India is offered as post graduate course after completion of B.Pharma degree. The M.Pharma course is of two years duration. Candidates who passed B.Pharm should qualify GPAT or PGCET exam

Pharma D is six years Graduation course. Candidates who passed Intermediate should qualify TS EAMCET exam. Admission will be through counseling.

B] Result Analysis **2018-19** : Evaluation of outcome based Teaching-Learningprocess

Result Status:

S.NO	COURSE	No of students appeared	No of students passed and eligible for the degree	Pass percentage
1	B-Pharmacy	65	58	89.23
2	M-Pharmacy Pharmaceutical chemistry	5	5	100
3	M-Pharmacy Pharmaceutics	14	14	100
4	M-Pharmacy Pharmaceutical Analysis	9	9	100



[c] PlacementStatus(2018-2019):

Final Placement:

Top Recruiters of our Pharmacy students are Omics, Doctus, Visionary RCM Infotech private Limited, RCC Laboratories India Private Limited, Remedy Publications, MedConverge Website , Magna infotech, Aurobindo Pharma Limited , Laurus Labs, Biological E limited, Acta Scientific publications(OPC)private limited, Freyer software services private limitedCognizant 34 Students were placed in different companies. 14 students joined in higher studies.

C] Student's Feedback(2018-2019):

SL NO	CRITERIA	2018-2019
1	Content of Syllabi of the Courses	90.65%
2	Extent of Syllabus Covered in the Class	95.07%

3	Use of Teaching Aids and ICT in the Class to Facilitate Teaching	80.83%
4	Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc	95.35%
5	Student Teacher Interaction	95.94%
6	Integration of Theory and Practical in Classes	94.36%
7	Stimulation for Innovative Thinking	92.18%
8	Overall Learning Experience	94.51%
9	Condition of Lab Equipment	92.88%
10	Availability of Online Resources	91.53%
11	Opportunities in the Department/University for Research Activities	90.65%
12	Opportunity to Participate in Seminar/Workshop/Conference/ResearchProjects	91.07%
13	Experience with Research Environment	89.83%
14	Participation in Co-Academic and Cultural Events	93.5%

D] Parents –Teacher Meeting:

Parents –Teacher meeting is an integral part of student development at every level of education. The feedback from parents is immensely effective and beneficial for both the parents and the department providing in-depth insights about the departmental activities and identification of the possible scope of improvement through their constructive suggestions. It also focuses the positive vistas of the department. Side by side, parents also come to know about the progress status of their children and can keep posted about the reasons behind. Parents become aware about the placement facilities and holistic improvement of the students.

3. Information related to Research, Consultancy of Faculty Members and Different Initiatives by the Department(2018-19)

A] Research and Consultancy Activities of Faculty Members(2018-2019)

WORKSHOP	SEMINAR		SYMPOSIUM
	NATIONAL	INTERNATIONAL	
3	3	0	0

RESEARCH PAPER		CONFERENCE	
Publications	UGC Care list journals	NATIONAL	INTERNATIONAL
31	7	0	0

BOOK/BOOK CHAPTER	FDP/MDP	RESEARCH GUIDANCE	Patents Filed/granted
2	26	6	1

CONSULTANCY

Title of Project/Consultancy	Funding Agency	Submittedon / Startedfrom	Investigators	Requested Amount (Rs.)
Preparation of Metadoxin 500mg tablets	Leads Pharma Pvt Ltd	Started on 12th October 2018	Dr.A.Krishnasailaja Dr.K.V.Ratnamala	400000

B] Initiatives by the Institute development monitoring committee (2018-2019)

As a quality bench mark for various academic and administrative activities of theinstitute the Following Events have been conducted by IDMC

Date	Title of event
15/08/2018	Independence day
5/9/2018	Teachers day celebrations
24/09/2018	World Pharmacist day, Conducted free health check up camp
25/09/2018	Pharma walk
29/09/2018	International conference on Recent Trends & Challenges in Pharmaceutical and Clinical Research was Organized in association with APP Mulaysian International Branch
3/10/2018	Vigilance Awareness week
03/11/2018	A seminar was conducted on "Awareness of Migraine" on November 3rd 2018. The theme of the seminar was "Me without migraine"
19/11/2018 to 24/11/2018	Pharmacy week celebrationswas conducted in association with INDIAN PHARMACEUTICAL ASSOCIATION (IPA), Telangana branch from 19th-24th November 2018
15/12/2018	Guest lecture was delivered by C H Suryanarayan, DGM, Hetero drugs HYD on " Overview of Pharma Intellectual Property Rights" on 15th December 2018
23rd /12/2018	The Alumni Meet was held on 23rd December 2018 for reunion of Alumni students of the college.
14-02-2019 to 16-02-2019	In Association with Make Intern & E-Cell IIT Kharagpur Three day Hands on traning on Chem Informatics in drug discovery was organized in our college from 14th -16th February 2019.

25-02-2019	A Guest Lecture on Awareness of Cancer was organised on 25th February 2019.
8-03-2019	International women's day celebrated at our college campus
22-03-2019	Annual day celebrations
28-03-2019 to 30-03-2019	Three day work shop on recent trends in formulation design &bioanalytical estimations
21/06/2019	International Yoga day celebrations. Mr.Ram Mohan rao from BharatiyaYogSansthan was invited and faculty along with the students performed Yoga asanas

4. Aesthetic Developments of the college (2018-2019)

Several aesthetic developments took place in department over the year 2018-2019.

1. Collaborations were made with industry and Consultancy project was initiated
2. New equipments were purchased in the department of analysis and pharmaceutics for conducting research
3. Workshop was organized for the benefit of students as well as faculty
4. Pharmacy week was celebrated in association with Indian Pharmaceutical Association, Telangana state branch.

5. Initiatives to address practices that need improvement

Gap Identified	Action taken to fill the gap
Faculty should get more exposure towards industry to enhance improve their practical knowledge	To improve the practical knowledge industry training program was designed for the faculty in association with Leads Pharma Pvt ltd
Received feedback from the industries to train the students in different contemporary topics to make them industry ready	Conducting certificate courses in the area of Professional development, green chemistry, Pharmacovigillance and Advanced Analytical techniques to train the students as per the requirements of industry
Quality publications	Faculty are advised to publish research works in UGC Care journals. Research fund was provided to the faculty members to work on innovative ideas

1. **Implementation plan(s) for improvement initiative(s) with the highest priority**

Following activities are going to be taken for more intensive development of the learner

- Providing industrial training for the Pharmacy students
- Organizing short term training program for the faculty members for theguidance from the industrial experts upon recent advancements in the pharmaceutical research