





# **RBVRR WOMEN'S COLLEGE OF PHARMACY**

**INTERNAL ACADEMIC AUDIT REPORT: Year -2018-2019**

**Date of Academic Audit: 06/07/2019**

**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	V. Ramesh Kumar 6/7/19
2	Dr.SudhaParimala	Vice Principal	Member	
3	Dr.A.Krishnasailaja	Professor	Member	
4	Dr. J.Archana	Professor	Member	J.A. 
5	Dr.M.VijayaBhargavi	Associate Professor	Member	

**PROFESSOR**  
University College of Technology  
Osmania University, Hyderabad

**1. Introduction**

RBVRR Women's College of Pharmacy was established in the year 2006 under "Hyderabad Mahila Vidya Sangham" to provide education to women students and offers the entire spectrum of Pharmacy education: B.Pharm, M.Pharm (pharmaceutical chemistry, Pharmacology, Pharmaceutical analysis and pharmaceuticals) 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 1956 accredited 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 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.

#### ***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) 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 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 can 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 of Students**

#### ***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 PG CET exam

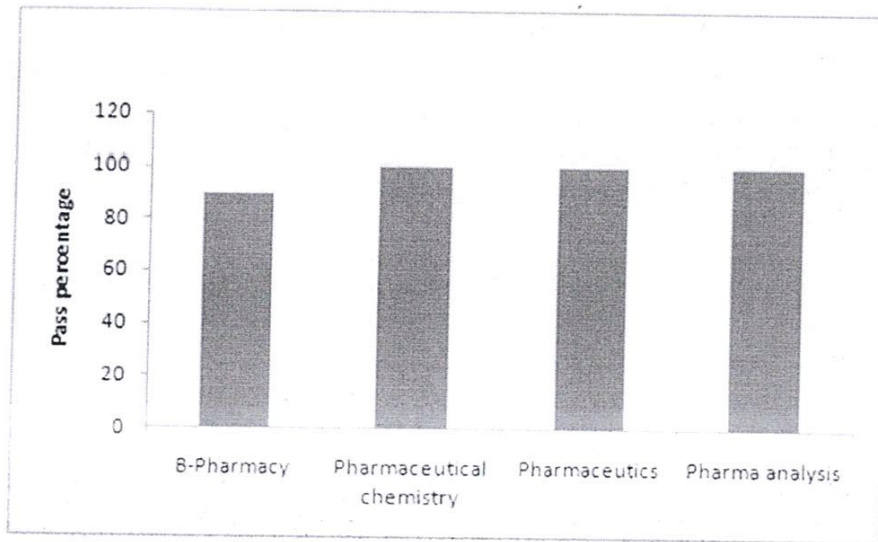
Pharma D is six years Graduation course. Candidates who passed Intermediate should qualify TS EAMCET exam. Admission will be through counseling.

### **B] Result Analysis 2018-19 : Evaluation of outcome based Teaching-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	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 limited. 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/Research Projects	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	Submitted on / Started from	Investigators	Requested Amount (Rs.)
Preparation of Metadoxin 500mg tablets	Leads Pharma Pvt Ltd	Started on 12 <sup>th</sup> October 2018	Dr.A.Krishnasailaja Dr.KVRatnamala	400000



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

As a quality bench mark for various academic and administrative activities of the institute 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 Malaysian 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 celebrations was 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
23 <sup>rd</sup> /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 training 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 Bharatiya Yog Sansthan 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**

<b>Gap Identified</b>	<b>Action taken to fill the gap</b>
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, Pharmacovigilance 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 the guidance from the industrial experts upon recent advancements in the pharmaceutical research

