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## **UNIVERSITY VISION & MISSION**

### **Vision**

At K.R. Mangalam University, our vision is to be a global leader in providing innovative and transformative education. We aspire to empower students with knowledge, skills, and values that prepare them to thrive in a rapidly evolving world. Through cutting-edge research, industry partnerships, and a commitment towards achieving excellence, we aim to shape future leaders who will drive a positive change and make a meaningful impact on society.

### **Mission**

Our mission at K.R. Mangalam University is to foster a dynamic learning environment that nurtures intellectual curiosity, creativity, and critical thinking. We are dedicated to delivering high-quality education that integrates academic rigor with real-world relevance. By promoting diversity, inclusivity, and ethical values, we aim to inspire our students to become lifelong learners, responsible global citizens, and catalysts for positive societal transformation.

## **ABOUT SCHOOL: VISION & MISSION**

### **ABOUT SCHOOL**

Welcome to the School of Medical and Allied Sciences, where your journey towards a rewarding career in healthcare begins!

The School of Medical and Allied Sciences (SMAS) is committed to delivering comprehensive education and training across a spectrum of healthcare disciplines. SMAS offers Diploma, Undergraduate, Postgraduate and Doctoral programmes in different fields of medical & allied sciences. With our esteemed faculty, cutting-edge facilities, and immersive learning opportunities, we are instrumental in nurturing the future generation of healthcare practitioners. Our focus is on empowering students with the requisite knowledge, skills, and ethical principles to deliver top-tier care and drive progress in global healthcare standards.

### **VISION**

To contribute towards healthcare needs of the society by producing a skilled, motivated and accessible workforce dedicated towards achieving health for all.

## **MISSION**

- To produce self-motivated, self-reliant and socially sensitive young healthcare professionals catering to the needs of academia, industry and research.
- To create a centre of excellence for learning and research in the field of pharmaceutical and allied health sciences with inter-disciplinary approach in emerging area of science and technology with focus on industry-academia interaction.
- To nurture transformational research for the benefit of the society.
- To interlink pharmaceutical and allied health sciences with interdisciplinary life sciences.

## **Messages from Vice Chancellor**



**Prof. Raghuvir Singh,**  
Vice-Chancellor  
KR Mangalam University

There are no secrets to success. It is the result of preparation, hard work, resilience & learning from failure.” I express profound happiness in welcoming every student at K.R. Mangalam University. I appreciate your choice of K.R. Mangalam University (KRMU) as a catalyst & vehicle for your successful career and happy life. We are glad to assure you that you are at one of the most employability & entrepreneurship focused universities located in one of the most happening cities in the world. You will be blessed with a great real-

world learning experience in every field of knowledge and will have plenty of opportunities to interact and learn from the best practitioners of the profession in your area of interest. We at KRMU take immense pride in our teaching/learning processes which are curated to develop each student holistically. Our well-designed learning experience comprising both inside the classroom and outside the classroom promises a learning experience focused on holistic development encompassing the three domains of learning: Cognitive, Affective & Psychomotor. You will be welcomed with a whole new experience of learning the first day you join KRMU by having the complete learning journey of your chosen program in the form of a "Structured Learning Pathway" which depicts every event, activity and experience in detail. This will assure you a welldefined approach to learning. I am sure your learning and stay with us will be highly exciting and productive which will immensely contribute to your life in the future. Together, we will overcome all hurdles in your holistic development. Wish you all the best and great learning with us. "The best investment by far is to develop yourself by spending time every day sharpening your axe so that you become a lubricant, not seawater, to your life and career. Individual development results from what one thinks and does.



## **Messages from Dean**



**Dr. Hema Chaudhary**

**Professor & Dean**

It gives me immense pleasure to welcome you to the School of Medical & Allied Sciences (SMAS) at K.R. Mangalam University, where excellence in education meets the passion for healthcare innovation. Our school is dedicated to nurturing future leaders in the fields of pharmacy, healthcare, and allied sciences by providing a robust academic foundation, cutting-edge facilities, and a student-centric approach to learning.

Healthcare is a dynamic and rapidly evolving field, and at SMAS, we strive to stay ahead by offering programs that integrate

theoretical learning with practical application. Our carefully curated curriculum is designed to meet global standards, equipping our students with the knowledge, skills, and values required to excel in their chosen professions. By emphasizing interdisciplinary collaboration, problem-solving, and ethical practices, we ensure our graduates are ready to tackle the challenges of modern healthcare with competence and compassion.

At SMAS, we believe that education is not confined to classrooms. Our students benefit from hands-on learning experiences through advanced laboratories, industrial training, and community outreach initiatives. These opportunities not only reinforce their understanding of concepts but also instill a sense of social responsibility. Our faculty members, who are accomplished educators and researchers, play a pivotal role in this journey, guiding students to achieve their academic and professional aspirations.

Research and innovation form the cornerstone of our institution. We encourage our students and faculty to engage in groundbreaking research that addresses contemporary health challenges and contributes to scientific advancements. Collaborations with industry leaders, healthcare organizations, and academic institutions further enrich our research endeavors and open new avenues for growth and development.

As Dean, I am deeply proud of the achievements of our students, faculty, and alumni, who continually bring laurels to the school and uphold our vision of academic excellence and societal impact. SMAS is more than an institution—it is a vibrant ecosystem of learning, discovery, and service. We are dedicated to empowering our students to become transformative leaders who will shape the future of healthcare and allied sciences.

I invite you to explore the myriad opportunities that SMAS has to offer and join us on this remarkable journey of growth, innovation, and excellence. Together, let us strive to create a healthier, more equitable world through education, research, and service.

#### **4.1 School Advisory Board**



**Prof. B. Suresh**

*Pro-Chancellor, JSS Academy  
of Higher Education &  
Research & Ex-President of  
Pharmacy Council of India*



**Dr. Jayapala Reddy**

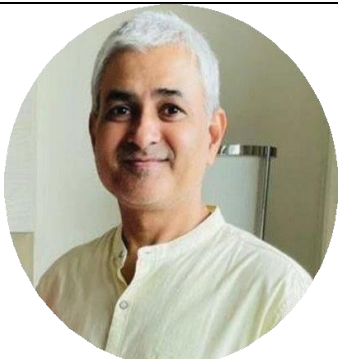
Vice President & Head  
Emerging Markets of MSN  
Labs, Hyderabad, India



**Prof. Vandana B.  
Patravale**

Professor, Department of  
Pharmaceutical Sciences &  
Technology,

Institute of Chemical  
Technology (ICT), Mumbai



**Dr. Sheo Mohan Singh**

Director, ICSCCB  
(International Centre for  
Stem Cell, Cancer &  
Biotechnology), New Delhi



**Dr. Permender Rathee**

Senior Manager, Global  
Pharmacovigilance,

R &D-V, Sun  
Pharmaceutical Limited,  
Sector 18, Gurugram India



**Dr. Omprakash**

Head - R&D, Lotus Herbal  
Pvt. Ltd. New Delhi



**Dr. Kuldeep Kumar  
Bansal**

Adjunct Professor & Lead  
Researcher at

Åbo Akademi University,  
Turku, Finland (Europe)



**Dr. Sheo Mohan Singh**

Director, ICSCCB  
(International Centre for  
Stem Cell, Cancer &  
Biotechnology), New Delhi

## 4.2 Board of Studies

S. No.	Name	Designation	Affiliation	Role
1	Prof. (Dr.) Hema Chaudhary	Professor & Dean Chairperson	School of Medical & Allied Sciences, KRMU	Internal Member
2	Prof. (Dr.) R. K. Khar	Professor & Director	B. S. Anangpuria Institute of Pharmacy	External Academic Expert
3	Dr. Saurabh Arora	Managing Director	Arbro Pharmaceuticals Pvt. Ltd & Auriga Research Pvt. Ltd	External Industry Expert
4	Prof. (Dr.) Manoj Gadewar	Professor	School of Medical & Allied Sciences, KRMU	Internal Member
5	Prof. (Dr.) Rishi Pal	Professor	School of Medical & Allied Sciences, KRMU	Internal Member
6	Prof. (Dr.) Pankaj Gupta	Professor	School of Medical & Allied Sciences, KRMU	Internal Member
7	Dr. Khalid Bashir Mir	Associate Professor	School of Medical & Allied Sciences, KRMU	Internal Member
8	Dr. Sucheta	Associate Professor	School of Medical & Allied Sciences, KRMU	Internal Member
9	Dr. Saroj Verma	Associate Professor	School of Medical & Allied Sciences, KRMU	Internal Member

10	Dr. Saroj Yadav	Associate Professor	School of Medical & Allied Sciences, KRMU	Internal Member
11	Dr. Swati Kaushik	Assistant Professor	School of Medical & Allied Sciences, KRMU	Internal Member
12	Ms. Manisha Singh	Assistant Professor	School of Medical & Allied Sciences, KRMU	Internal Member



### 4.3 School Research Committee

Prof. (Dr.) Hema Chaudhary	Professor & Dean Chairperson
Prof. (Dr.) Manoj Gadewar	Professor
Prof. (Dr.) Rishi Pal	Professor
Dr. Saroj Verma	Associate Professor
Dr Pankaj Agarwal	Dean SOET

### 4.4 Academic Coordination: Roles and Responsibilities

- Coordinate and manage academic programs and schedules.
- Assist in curriculum development and review processes.
- Provide guidance and support to students regarding academic policies.
- Collaborate with faculty and staff to enhance academic programs.
- Monitor and analyze academic performance data.
- Ensure compliance with accreditation standards and regulations.
- Organize and facilitate academic events and workshops.
- Develop and implement strategies to improve student retention and success.
- Maintain accurate records of academic activities and student progress.

- Communicate effectively with students, parents, and faculty.
- Assist in the recruitment and training of new faculty members.
- Manage academic resources and materials.
- Support the development of online and hybrid learning programs.
- Coordinate with external partners and stakeholders.
- Prepare reports and presentations on academic performance and initiatives.
- Perform other duties as assigned by the administration.

## 5. Faculty and Non-teaching Staff

### 5.1 Faculty -

S R N O .	E M P C O D E	EMPL OYEE NAME	DESIG NATIO N	SPECIAL IZATION	D.O. J	MO BIL E NO.	MAIL ID
1	1616	DR. HEMA CHAUD HARY	PROFESS OR	PHARMAC EUTICS	04.10 .2022	93124 87394	DEAN.SMAS@KRMANGAL AM.EDU.IN
2	1429	DR. MANOJ GADE WAR	PROFESS OR	PHARMAC OLOGY	11.03 .2020	90853 91210	MANOJ.GADEWAR@KRMA NGALAM.EDU.IN
3	1581	DR. RISHIP AL	PROFESS OR	PHARMAC EUTICS	02.08 .2022	96546 34629	RISHIPAL@KRMANGALAM. EDU.IN
4	1023	DR. PANKA J GUPTA	PROFESS OR	PHARMAC OGNOSY	15.07 .2013	96509 24404	PANKAJ.GUPTA@KRMANG ALAM.EDU.IN

5	1502	DR. KHALID BASHIR MIR	ASSOCIATE PROFESSOR	PHARMACEUTICS	29.10.2021	7006193788	KHALID.BASHIR@KRMANGALAM.EDU.IN
6	1432	DR. SUCHETA	ASSOCIATE PROFESSOR	PHARM. CHEMISTRY	13.03.2020	9729422521	SUCHETA@KRMANGALAM.EDU.IN
7	1566	DR. SAROJ VERMA	ASSOCIATE PROFESSOR	PHARM. CHEMISTRY	20.07.2022	7011901528	SAROJ.VERMA@KRMANGALAM.EDU.IN
8	1755	DR. SAROJ YADAV	ASSOCIATE PROFESSOR	PHARMACOLOGY	25.08.2023	9241596172	SAROJ.YADAV@KRMANGALAM.EDU.IN
9	1575	DR. SWATI KAUSHIK	ASSISTANT PROFESSOR	PHARMACOLOGY	02.08.2022	9911032049	SWATI.KAUSHIK@KRMANGALAM.EDU.IN
10	1638	DR. MOHD. MAZHAR	ASSISTANT PROFESSOR	PHARMACOLOGY	15.11.2022	9718524596	MAZHAR@KRMANGALAM.EDU.IN
11	1685	DR. DEEPIKA MODI HISSARIA	ASSISTANT PROFESSOR	PHARMACEUTICS	03.04.2023	7015648071	DEEPIKA.MODI@KRMANGALAM.EDU.IN
12	1697	DR. PARAKH BASIST	ASSISTANT PROFESSOR	PHARMACOLOGY	09.05.2023	9711057733	PARAKH.BASIST@KRMANGALAM.EDU.IN
13	1698	DR. FARHEN	ASSISTANT PROFESSOR	PHARMACEUTICS	11.05.2023	8218606294	FAREEN@KRMANGALAM.EDU.IN
14	1870	DR. NARENDER YADAV	ASSISTANT PROFESSOR	PHARM. CHEMISTRY	21.03.2024	7696506808	NARENDER.YADAV@KRMANGALAM.EDU.IN
15	1673	DR. RENU SEHRAWAT	ASSISTANT PROFESSOR	PHARM. CHEMISTRY	17.02.2023	9953336607	RENU.SHERAWAT@KRMANGALAM.EDU.IN
16	1555	MR. AMIT MISHRA	ASSISTANT PROFESSOR	PHARM. CHEMISTRY	16.03.2022	9599457334	AMIT.MISHRA@KRMANGALAM.EDU.IN
17	1512	MR. PRASHANT	ASSISTANT PROFESSOR	PHARMACEUTICS	13.12.2021	8607303934	PRASANT@KRMANGALAM.EDU.IN
18	1558	MR. DEBASHISH PARAMANICK	ASSISTANT PROFESSOR	PHARMACOLOGY	08.06.2022	7987894604	DEBASHISH.PARAMANICK@KRMANGALAM.EDU.IN

19	164 1	MS. MANIS HA SINGH	ASSISTA NT PROFESS OR	PHARMAC EUTICS	21.11 .2022	88006 05201	MANISHA@KRMANGALAM .EDU.IN
20	154 3	MS. RENU YADAV	ASSISTA NT PROFESS OR	PHARM. CHEMISTR Y	16.03 .2022	98186 31689	RENU.YADAV@KRMANGA LAM.EDU.IN
21	163 9	MS. MEHA R PRIYA SHARMA	ASSISTA NT PROFESS OR	PHARMAC EUTICS	14.11 .2022	96254 74114	MEHAR.PRIYA@KRMANGA LAM.EDU.IN
22	175 2	MR. MOHIT AGAR WAL	ASSISTA NT PROFESS OR	PHARMAC OLOGY	21.08 .2023	91491 97178	MOHIT.AGRAWAL@KRMA NGALAM.EDU.IN
23	180 5	MS. SNEHA ANAND	ASSISTA NT PROFESS OR	PHARMAC EUTICS	28.11 .2023	88268 54440	SNEHA.ANAND@KRMANG ALAM.EDU.IN
24	181 4	MR. YASH JASORIA	ASSISTA NT PROFESS OR	PHARMAC OLOGY	02.01 .2024	85860 52206	YASH.JASORIA@KRMANG ALAM.EDU.IN
25	182 1	MS. PREETI CHAUD HARY	ASSISTA NT PROFESS OR	PHARMAC EUTICS	03.01 .2024	76207 81383	PRITI.CHAUDHARY@KRMA NGALAM.EDU.IN
26	182 6	MS. MEENA KSHI ATTRI	ASSISTA NT PROFESS OR	PHARMAC EUTICS	11.01 .2024	81681 76947	MEENAKSHI.ATTRI@KRMA NGALAM.EDU.IN
27	182 8	MS. SAMI KSHA MISHRA	ASSISTA NT PROFESS OR	PHARMAC EUTICS	15.01 .2024	89796 78411	SAMIKSHRA.MISHRA@KR MANGALAM.EDU.IN
28	185 6	MS. SAIKA BASHIR	ASSISTA NT PROFESS OR	PHARM. CHEMISTR Y	29.02 .2024	70061 62150	SAIKA.BASHIR@KRMANGA LAM.EDU.IN
29	192 5	MS. GARIMA GOYAL	ASSISTA NT PROFESS OR	PHARM. CHEMISTR Y	02.09 .2024	95600 37050	GARIMA.GOYAL@KRMAN GALAM.EDU.IN
30	196 6	MS. VINITA	ASSISTA NT PROFESS OR	PHARM. CHEMISTR Y	02- 12- 2024	97171 66989	VINITA@KRMANGALAM.E DU.IN

## 5.2 Non-teaching Staff

SR NO .	EMP CODE	EMPLOYEE NAME	DESIGNATION	D.O. J	PHONE NO	MAIL ID
1	9196	NIRDESH	OFFICE ASSISTANT	10.0 4.20 23	8053 7337 62	nirdesh@krmangalam.edu.in
2	9172	LOKESH BHARDWAJ	LAB TECHNICIAN	13.0 2.20 23	9416 6361 40	lokesk@krmangalam.edu.in
3	9195	ASHEESH KUMAR	LAB ASSISTANT	10.0 4.20 23	8393 0911 26	asheesh.kumar@krmangalam.edu.in
4	9319	SHALINI RATHAUR	LAB TECHNICIAN	22.0 5.20 24	8295 8552 58	shalnidevi.rathaur@krmangalam.edu.in
5	9320	TANUJA SHARMA	LAB TECHNICIAN	23.0 5.20 24	8130 3682 01	tanuja.sharma@krmangalam.edu.in
6	9359	NARESH KUMAR	LAB TECHNICIAN	05.0 9.20 24	8813 0246 93	naresh.kumar@krmangalam.edu.in

## 6. School Infrastructure (Physical and learning)

LIST OF LABORATORIES - SMAS			
S. No.	LABORATORY	ROOM NO	SCHOOL
1	Pharmaceutical Microbiology Lab	B004	SMAS

2	Advanced Formulation and Drug Delivery Lab (PG-II)	B-101	SMAS
3	Pharmaceutical Chemistry I Lab	B-103	SMAS
4	Pharmaceutical Technology Lab (PG-I)	B-104	SMAS
5	Pharmacology and Toxicology Lab (PG-I)	B-105	SMAS
6	Pharmaceutics-III Lab	B-106	SMAS
7	Pharmaceutical Chemistry II Lab	B-107	SMAS
8	Preclinical Pharmacology Lab (PG-II)	B-108	SMAS
9	Pharmacognosy	B-109	SMAS
10	Pharmaceutics Lab - IV	B-401	SMAS
11	Pharmacology Lab	B-408	SMAS
12	Pharmaceutical Chem Lab - III	B-411	SMAS
13	Pharmacology Lab	B-403	SMAS
14	Pharmaceutics Lab- IV	B-416	SMAS
15	Machine Room	B-501	SMAS
16	Social Pharmacy Lab	B405	SMAS

## OTHER FACILITIES

1	Departmental Chemical Store Room	B412	SMAS
2	Museum	B406	SMAS
3	SMAS Examination Room	B113	SMAS
4	Animal House (CCSEA Approved)		
5	Herbal Garden		
6	Auditorium	B-404	

<b>ICT ENABLED CLASSROOMS</b>	<b>8 (3 classrooms with Smart Panels and 5 classrooms with LCD Projectors)</b>
<b>TOTAL CLASSROOMS</b>	<b>8</b>

## **7. Best Practices:**

### **1. Waste Management**

This practice emphasizes effective and sustainable chemical and bio-waste management strategies within the SMAS. It includes methods to reduce, reuse, and recycle waste, promoting environmental awareness among students and staff. The initiative aims to minimize the ecological footprint and instill a sense of responsibility toward environmental conservation.

### **2. Community Connect**

This practice focuses on fostering strong relationships between the institution and the surrounding community. It involves outreach programs, social initiatives, and collaborative projects that address local issues and contribute to the community's development. The approach enhances social responsibility and provides students with real-world learning opportunities.

## **8. School Education Philosophy:**

School of Medical and Allied Sciences mainly focused on educating students for various subjects and practical aspects related to drug formulation and testing along with cocurricular development. School offers Diploma,



undergraduate, post-graduate and PhD courses in pharmacy. We provide an extra edge to our students by teaching and training by leading Pharma industry experts to facilitate industry academia interaction, participation in conferences / workshops / skill development programs, carrier guidance, coaching for GPAT and other competitive examinations. We encourage students to participate in various health camps organized by department to make general awareness amongst people regarding various diseases like diabetes, hypertension, communicable and noncommunicable diseases. We provide placement assistance to students for getting jobs in various government and private laboratories. We have tie up with various pharmaceutical industries like Dabur Research Foundation, Sun Pharma, Arbo Pharma, Indian Pharmacopeial Commission, Catalyst Clinical Services, Suraksha Pharma, Medicamen Biotech , Mankind Pharma etc. which provide various carrier opportunities in pharmaceutical manufacturing units, Research & Development Wings, pharmaceutical quality control, quality assurance, pharmaceutical sales & distribution, drug information services, health insurance, medical coding, supply chain management, pharmacovigilance, product management team, clinical trials, data management.

#### **9. Educational Pedagogy (Inside and outside classroom)**

The School of Medical and Allied Sciences (SMAS) adopts various phenomenal ways of enhancing educational pedagogy so as to conceptualize fundamental learning goals for students and to make the teaching-

learning processes more interesting and meaningful, resulting in students skills ranging within middle to upper levels of Bloom's Taxonomy.

The methodologies adopted within classrooms for enhancing educational pedagogy include:

- a. Interactive teaching-learning sessions with students
- b. Use of ICT enabled tools such as smart interactive panels, LCD projectors, Wi-Fi etc.
- c. Use of LMS - Moodle
- d. Group discussions
- e. Quiz
- f. Assignments
- g. Class tests
- h. Presentations

The methodologies adopted outside classrooms for enhancing educational pedagogy include:

- a. Experiential learning via Health Camps
- b. Industrial Tour
- c. Visit to Herbal Garden
- d. Participation in National / International Conferences and Workshops
- e. Use of Library Resources
- f. Practical based learning in laboratories

## 10. Evaluation

<b>Evaluation Pattern for B. Pharm</b>		
<b>Evaluation Component</b>	<b>Theory (Marks)</b>	<b>Practical (Marks)</b>
End Term Examination	75	35
Sessional Examinations	15	10
Continuous Mode (Assignment/Attendance/Interaction)	10	5
<b>Total</b>	<b>100</b>	<b>50</b>
<b>Evaluation Pattern for M. Pharm</b>		
<b>Evaluation Component</b>	<b>Theory (Marks)</b>	<b>Practical (Marks)</b>
End Term Examination	75	150
Sessional Examination	15	30
Continuous Mode (Interaction/Attendance/Practical Record)	10	20
<b>Total</b>	<b>100</b>	<b>200</b>
<b>Evaluation Pattern for D. Pharmacy</b>		
<b>Evaluation Component</b>	<b>Yearly Theory (Marks)</b>	<b>Yearly Practical (Marks)</b>
End Term Examination	80	80
Internal Assessment (Sessional/Assignment/Field Visit)	20	20
<b>Total</b>	<b>100</b>	<b>100</b>

## 11. Collaborations

S. No	MOU	KRMU/ School	Type of MoU (Academic/ Research/Administrati ve/Placement)
1.	Medanta Institute of Education and Research	SMAS	Academic
2.	Medicamen Biotech Ltd	SMAS	Industrial
3.	Polaris Super- speciality Hospital	SMAS	Academic
4.	Biotic waste limited	SMAS	Administrative
5.	QSD Formulations Pvt Ltd	SMAS	Academic
6.	Ektaa Hospital	SMAS	Academic
7.	Medox Hospital	SMAS	Academic
8.	ICCSB	SMAS	Academic
9.	ITM University	SMAS	Academic
10.	Al Ameen Collage of Pharmacy	SMAS	Academic
11.	Din Dyal Collage of Pharmacy	SMAS	Academic

## **12. Programmes Offered by the School including PhD (List of Programmes)**

<b>Course Name</b>	<b>Duration</b>	<b>Type</b>
Diploma in Pharmacy (D.Pharm)	2 Years	Diploma
Bachelor of Pharmacy (B.Pharm)	4 Years	Undergraduate Degree
Master of Pharmacy (M.Pharm) (PHARMACEUTICS)	2 Years	Postgraduate Degree
Master of Pharmacy (M.Pharm) (PHARMACOLOGY)	2 Years	Postgraduate Degree
Ph.D. in Pharmacy	3-5 Years (Varies)	Doctoral Degree

### **Career Opportunities**

#### **Pharmaceutical Industry**

- Production
- Quality Control (QC)
- Quality Assurance (QA)
- Research & Development (R&D)
- Store Management
- Marketing
  - Local Marketing
  - Global Marketing

- Product Management
- Regulatory Affairs
- Pharmaceutical Sales Representative (PSR)

### **Hospitals and Clinics**

- Hospital Pharmacists
- Clinical Pharmacists

### **Community Pharmacy**

- Retail Pharmacy

### **Wholesale Pharmacy**

### **Government Services**

- Regulatory Affairs
- Drug Testing Laboratories
- Drug Purchasing & Distribution
- Military Services

#### **12.1 Diploma in Pharmacy**

The Diploma in Pharmacy (D.Pharm) program, regulated by the Pharmacy Council of India (PCI), is a foundational course in pharmaceutical education. The program typically spans two academic years, combining theoretical instruction with practical training. It includes classroom teaching, laboratory sessions, and practical training in pharmacy settings. It also includes 500 hours of practical training. The career opportunities on completion of D.Pharm program are working as Pharmacist in hospitals, retail medical shops, community pharmacist, Medical representative and

production chemist in pharmaceutical industries.

Diploma in Pharmacy (D.Pharm)	2 Years	Diploma
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### **Programme Educational Objectives (PEOs)**

The PEOs are delayed outcomes measured few years after completion of the programme, where the graduates of this program will:

**PEO1** Become professional experts in careers associated to pharmaceutical Sciences, and allied fields, establishing knowhow and compliance.

- **PEO2** Emerge as leaders, entrepreneurs, and managers, guiding pharma professionals within the healthcare field.
- **PEO3** Maintain morals & ethics in their professional conduct, thereby taking responsible decisions which endorse the reliability of the professional healthcare person.
- **PEO4** Support for sustainable practices and engage in environment-friendly methods of dealing with patients in healthcare.
- **PEO5** Be as good citizens with high value attributes towards society, demonstrating extraordinary professionalism, as a contribution towards well-being of the society.
- **Programme Outcomes (POs)**
- After completion of the course, the student will be capable of
- **PO1** Problem solving: Possessing the core and basic knowledge associated with the profession of pharmacy to deal with related issues efficiently.

- **PO2** Thinking Abilities: Developing critical thinking skills to deal with healthcare issues and integrating relevant drug and patient information to support effective clinical decisions
- **PO3** Interpersonal skills: Developing interpersonal skills to deal with people empathetically, effectively engage with patients and collaborate with healthcare professionals in a clinical setting.
- **PO4** Leadership skills: Acquiring leadership traits and skills through curricular and co-curricular activities and develop skills and abilities that will enable him/her to lead or actively contribute to organizational improvement.
- **PO5** Environment and sustainability: Recognizing the impact of the profession on the environment to meet the requirements of sustainable development goals.
- **PO6** Professional Ethics: Adhering to ethical principles in professional and social settings while being responsible for the consequences of their decisions.
- **PO7** Social Responsibility: Recognizing and explaining the key roles of pharmacists in enhancing public health and community well-being.
- **PO8** Effective Communication skills: Demonstrating effective communication skills to clearly convey pharmaceutical concepts and provide accurate information for enhanced patient care.
- **PO9** Life-long Learning: Engaging life-long learning and continuous improvement in the skills and knowledge by incorporating modern techniques in professional development.



- **Programme Specific Outcomes**

- On completion of the programme, the students will be
- **PSO1** Understanding key concepts in pharmacy, including drug mechanisms of action, therapeutic classifications, formulation techniques, pharmacokinetics, and patient care practices to enhance clinical outcomes.
- **PSO2** Applying the knowledge gained in formulation techniques, mechanistic studies and quality assurance for effective prescription handling, accurate labelling and dispensing processes to ensure safe and efficient patient care.
- **PSO3** Analysing active pharmaceutical ingredients to assess their purity, safety and efficacy and further utilizing the skills in quality control, drug formulation, pharmacological evaluation and community health practices.
- **PSO4** Evaluating pharmaceutical products and formulations using analytical techniques, integrating concepts of quality assurance, formulation development, and safety assessment to ensure efficacy and compliance.
- **PSO5** Observing core techniques in pharmaceuticals, pharmaceutical chemistry, and pharmacognosy labs to understand principles of drug formulation, compounding, and natural product analysis.
- **PSO6** Imitating observed lab practices to build hands-on skills in formulation, chemical analysis, and natural product identification, while upholding ethical standards in pharmacy.
- **PSO7** Performing key lab techniques to develop skills in drug formulation, chemical analysis, and the assessment of

natural products, while applying principles of safety, efficacy, and ethical practices in pharmacy.

- **M. Pharm Pharmacology**

- **Programme Educational Objectives (PEOs)**

- **PEO-1:** Become professional experts in careers associated to pharmaceutical Sciences, and allied fields, establishing knowhow and compliance.
- **PEO-2:** Emerge as leaders, entrepreneurs, and managers, guiding pharma professionals within the healthcare field.
- **PEO-3:** Maintain morals & ethics in their professional conduct, thereby taking responsible decisions which endorse the reliability of the professional healthcare person.
- **PEO-4:** Support for sustainable practices and engage in environment-friendly methods of dealing with patients in healthcare.
- **PEO-5:** Be as decent citizens with high value attributes towards society, demonstrating extraordinary professionalism, as a contribution towards well-being of the society.
- **Programme Specific Outcomes (PSOs)**
- **PSO-1:** Understanding theories related to pharmacology and acquiring the knowledge of drugs from natural and synthetic sources, synthesize drugs, explain drug mechanism of action, and understand structure activity relationships and ADMET profile.
- **PSO-2:** Applying pharmacological knowledge to assess patient needs and formulate treatment Strategies for monitoring drug therapy and patient responses.

- **PSO-3:** Analysing the data from experiments to identify patterns or anomalies in cellular behaviour for targeting various diseases.
- **PSO-4:** Evaluating the implications of genetic mutations on cellular function and disease by understanding cellular and molecular mechanism.
- **PSO-5:** Designing and executing complex assays for cell viability, apoptosis, and DNA fragmentation by integrating different techniques for evaluating safety and efficacy of drugs.
- **PSO-6:** Observing various instrumental and analytical processes for screening of compounds/molecules for their pharmacological activity and evaluation of safety and efficacy for development of novel formulation.
- **PSO-7:** Performing the experiments using instruments to identify and quantify the drug present in various biological samples.

## **B.Pharm**

### **A) Program Outcomes (POs)**

The entire curriculum of B. Pharmacy is planned to have following Programme outcomes

**PO 1** Demonstrate a comprehensive understanding of foundational concepts and principles in pharmaceutical and allied sciences, enabling the application of knowledge to real-world challenges

**PO 2** Analyzing, and effectively communicate the significance of their professional roles within society in every stage of healthcare system.

**PO3** Solve complex problems related to the on-ground and daily challenges of the healthcare sciences and exhibit strong critical thinking and reasoning abilities.

**PO 4** Showcase strong interpersonal skills that enable effective teamwork, collaboration, and networking in multidisciplinary environments.

**PO 5** Exhibit an understanding of environmental concerns and integrate sustainable practices.

**PO 6** Learn high ethical standards and professionalism in decision-making, reflecting a commitment to truth, fairness, and responsibility.

**PO 7** Demonstrate entrepreneurial abilities like thinking, creativity, and leadership by taking initiative, managing projects, and addressing challenges.

**PO 8** Ability to generate required information for decision-making through use of scientific methods.

**PO 9** Utilize best scientific evidence in organizational theory, human resource management, health care policy, and information technology to improve healthcare quality and patient safety.

**PO 10** Honoring personal values and applying ethical principles in professional and social contexts and taking responsibility for the outcomes associated with the decisions

## **B) Program Specific Outcomes (PSOs):**

After completion of the program students are able:

**PSO1.** Understanding theories, models, frameworks, tools, and techniques related to various fields of pharmaceutical sciences viz., Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, Biotechnology, Pharmaceutical jurisprudence and pharmaceutical marketing etc. in real world

**PSO2.** Applying the fundamental principles of pharmaceutical sciences to the formulation-development, and evaluation of pharmaceuticals, ensuring effective therapeutic outcomes and patient safety.

**PSO3** Analysing drug assay methods, manufacturing process, different packaging, drug interactions, mechanisms of action, and therapeutic strategies to address complex health issues and

research communication trends to assess their impact on society, culture, and health economics.

**PSO4** Evaluating ethical standards, pharmaceutical legal considerations, clinical data, patient outcomes to guide evidence-based therapies, while adhering to ethical principles and professional standards in delivering pharmaceutical care and public health services.

**PSO5** Creating innovative, high-quality health promoting content, such as articles on drug abuse, adverse reports, videos, or social media campaigns, utilizing technical skills and creative storytelling.

## **M. Pharm Pharmaceutics**

### **Programme Educational Objectives (PEOs)**

The PEOs are delayed outcomes measured few years after completion of the programme, where the graduates of this program will:

**PEO-1:** Become professional experts in careers associated to pharmaceutical Sciences, and allied fields, establishing knowhow and compliance.

**PEO-2:** Emerge as leaders, entrepreneurs, and managers, guiding pharma professionals within the healthcare field.

**PEO-3:** Maintain morals & ethics in their professional conduct, thereby taking responsible decisions which endorse the reliability of the professional healthcare person.

**PEO-4:** Support for sustainable practices and engage in environment-friendly methods of dealing with patients in healthcare.

**PEO-5:** Be as decent citizens with high value attributes towards society, demonstrating extraordinary professionalism, as a contribution towards well-being of the society.

### **Programme Specific Outcomes (PSOs)**

After successful completion of the M. Pharm. (Pharmaceutics), the students will be able to:

**PSO-1:** Understanding theories related pharmaceutics explaining their application towards identification, quantification and formulation development of drugs using modern analytical instrumental techniques.

**PSO-2:** Applying the advanced principles of drug delivery systems for the preparation of efficacious, economical and eco-friendly dosage forms.

**PSO-3:** Analysing the collected data/information to further optimise and improvise pharmaceutical production process to yield dosage forms having predetermined quality attributes.

**PSO-4:** Evaluating drugs and drug products for their safe, efficacy, release and toxicity levels.

**PSO-5:** Creating newer and advanced concepts/techniques for production of quality dosage forms.

**PSO-6:** Observing various instrumental analytical processes to develop and optimise the methods of analysis in pharmaceutical formulation development and their validations.

**PSO-7:** Performing the experiments using instruments to identify and quantify the drug and their formulations.

#### **Details of minor stream offered by the school**

**None**

### **Student Internship**

During one-month internship, Students gained invaluable experience across hospital pharmacy, pharmaceutical industry, and research settings. In the hospital pharmacy, they observed medication dispensing, patient counselling, and inventory management. The pharmaceutical industry exposed me to drug development, quality control, and manufacturing processes. At the research centre, they assisted in experiments and learned about drug formulation and clinical trials. This diverse exposure deepened my understanding of the pharmaceutical field, enhanced my practical skills, and solidified my career aspirations in pharmacy and research. The experience has equipped me with insights and connections that will benefit my future endeavours.

<b>S. No.</b>	<b>Roll No.</b>	<b>Sem</b>	<b>Student Name</b>	<b>Organization/Hospital</b>
1	2104120016	4th	Mahesh	Pathak Drug & Pharmaceuticals, Bhiwadi
2	2204120023	4th	Abhishek	Abyss Pharma Pvt. Ltd.
3	2204120067	4th	Priyanshu	Civil Hospital, Hisar
4	2204120078	4th	Hrishi Prakash	Phoenix-Biotech
5	2104120105	6th	Akash Malhotra	Aimil Pharmaceuticals

6	2104120106	6th	Yogesh Kumar	Aimil Pharmaceuticals
7	2104120093	6th	Khushi Dhawan	Akropolis Super Speciality Hospital
8	2104120014	6th	Aditya Kumar	Cachet Pharmaceuticals Pvt. Ltd.
9	2104120020	6th	Rupesh Gorain	Cachet Pharmaceuticals Pvt. Ltd.
10	2104120070	6th	Shubham Gupta	Cachet Pharmaceuticals Pvt. Ltd.
11	2104120080	6th	Osmi	Cachet Pharmaceuticals Pvt. Ltd.
12	2104120067	6th	Aryan Kumar	Dr. Morepen Laboratories Ltd.
13	2104121109	6th	Swati Tiwari	Gracure Pharmaceuticals Ltd.
14	2104120085	6th	Piyush Madaan	Healcure Life Sciences Pvt. Ltd.
15	2104120091	6th	Devaki Chhonker	Healcure Life Sciences Pvt. Ltd.
16	2104120092	6th	Yogesh Kumar	Healcure Life Sciences Pvt. Ltd.
17	2104120097	6th	Suresh Yadav	Healcure Life Sciences Pvt. Ltd.
18	2104120103	6th	Vandana Kaushik	Healcure Life Sciences Pvt. Ltd.
19	2104120055	6th	Danish Behl	Indian Pharmacopoeia Commission
20	2104120078	6th	Rishabh Kansal	Indian Pharmacopoeia Commission
21	2104120107	6th	Saloni Goyal	Indian Pharmacopoeia Commission
22	2104120001	6th	Ashutosh Ranjan Jha	Koshika Wellness Pvt. Ltd.



23	2104120026	6th	Farhaan Akhtar	Koshika Wellness Pvt. Ltd.
24	2104120076	6th	Saloni	Koshika Wellness Pvt. Ltd.
25	2104120088	6th	Rashmi	Koshika Wellness Pvt. Ltd.
26	2104120096	6th	Christopher Kapoor Masih	Koshika Wellness Pvt. Ltd.
27	2104120019	6th	Mridul Chauhan	Koshika Wellness Pvt. Ltd.
28	2104120018	6th	Harshvardhan Mahto	Maharaja Agrasen Hospital, Delhi
29	2104120042	6th	Shivani Bhardwaj	Maharaja Agrasen Hospital, Delhi
30	2104120083	6th	Harshul Jain	Mankind Research Centre
31	2104120024	6th	Vikash Kumar Jha	Medicamen Biotech Limited
32	2104120052	6th	Aryan Srivastava	Medicamen Biotech Limited
33	2104120074	6th	Saurabh Singh Pundir	Psychotropic India Limited
34	2104120013	6th	Prabhat Singh	Signature Pharmaceutical Pvt. Ltd.
35	2104120032	6th	Pallavi	Signature Pharmaceutical Pvt. Ltd.
36	2104120038	6th	Rishu Raj	Signature Pharmaceutical Pvt. Ltd.
37	2104120039	6th	Anubha Sharma	Signature Pharmaceutical Pvt. Ltd.
38	2104120089	6th	Yashashvi Singh	Sir Ganga Ram Hospital
39	2104120090	6th	Priyanshi	Sun Pharmaceutical Industries ltd, Gurugram
40	2104120084	6th	Sonam Srivastav	Sun Pharmaceutical Industries ltd, Gurugram
41	2104120037	6th	Maninder Saini	Sun Pharmaceutical Industries ltd, Gurugram

42	2104120108	6th	Shivam Batra	Sun Pharmaceutical Industries ltd, Gurugram
43	2104120060	6th	Rahul Chahar	Synokem Pharmaceuticals Ltd, Himachal Pradesh
44	2104120061	6th	Ravi Kumar Tiwari	Synokem Pharmaceuticals Ltd, Himachal Pradesh
45	2104120031	6th	Sumit Kumar Sonu	Synokem Pharmaceuticals Ltd, Himachal Pradesh
46	2104120053	6th	Amandeep	Synokem Pharmaceuticals Ltd, Himachal Pradesh
47	2104120057	6th	Devansh tyagi	Synokem Pharmaceuticals Ltd, Himachal Pradesh
48	2104120004	6th	Harsh Dhatwalia	Zantic Pharmaceuticals Pvt. Ltd. Himachal Pradesh
49	2104120019	6th	Rashid	Zantic Pharmaceuticals Pvt. Ltd. Himachal Pradesh
50	2104120104	6th	Sidhi Shekhawat	Aimil Pharmaceuticals
51	2104120022	6th	Sachin Dagar	Akropolis Super Speciality Hospital
52	2104120033	6th	Aisha Naz	Al-Shifa Multispeciality Hospital
53	2104120030	6th	Nikhil	Coronus Hospital
54	2104120065	6th	Deepesh Kumar Deep	Koshika Wellness Pvt. Ltd.
55	2104120073	6th	Shoaib Akhtar	Koshika Wellness Pvt. Ltd.
56	2104120086	6th	Annu	Koshika Wellness Pvt. Ltd.
57	2104120102	6th	Vivek	Koshika Wellness Pvt. Ltd.
58	2104120006	6th	Shivam	Medicamen Biotech Limited
59	2104120046	6th	Naved Khan	Park Hospital
60	2104120048	6th	Keerat Kaur	ESIC hospital, Faridabad
61	2104120066	6th	Aman Juneja	ESIC hospital, Faridabad

## Student Progression in Higher Education

S.No.	Student	Course	Institution	Program admitted to
1	AYUSHI SINGH	BACHELOR OF PHARMACY	IIHMR UNIVERSITY	MBA
2	BHAVYA	BACHELOR OF PHARMACY	Symbiosis International University	MBA
3	JATIN YADAV	DIPLOMA IN PHARMACY	K R Mangalam University	B. Pharma
4	PREET	DIPLOMA IN PHARMACY	K R Mangalam University	B. Pharma
5	ASHA	BACHELOR OF PHARMACY	K R Mangalam University	M.Pharma
6	SHIVAM KAUSHIK	BACHELOR OF PHARMACY	K R Mangalam University	M.Pharma
7	ANITA	BACHELOR OF PHARMACY	K R Mangalam University	M.Pharma
8	AASIM KHAN	BACHELOR OF PHARMACY	K R Mangalam University	M.Pharma
9	ANJALI SHARMA	BACHELOR OF PHARMACY	Dr. B. R. Ambedkar University Delhi	MPH
10	PARAS ARORA	BACHELOR OF PHARMACY	IIHMR UNIVERSITY	PGDM
11	ROHIT	BACHELOR OF ARTS BACHELOR	K R Mangalam University	M.Pharmra

		OF LAW (HONS)		
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## SCHOOL TESTIMORIAL



**Deepak Aggarwal**

**Systopic Laboratory, New Delhi**

My time at SMAS was nothing short of transformative. As alumni, I look back on my years at the School of Medical & Allied Sciences with immense gratitude and fondness. SMAS provided not only a solid academic foundation but also a nurturing environment for personal and professional growth.



**Hardik Madaan**

**Abbott Pharmaceutical Laboratory**

One of the most striking aspects of my experience at SMAS was the quality of education. The faculty members were not just experts in their fields but also passionate educators who genuinely cared about their students' success. The curriculum was rigorous yet practical, providing a perfect balance between theoretical knowledge and real-world application. Whether it was through case studies, group projects, or internships, SMAS ensured that we were well-equipped to tackle the challenges of the modern business world



**Ashwani Yadav**

### **Micro Labs**

As I reflect on my journey from a wide-eyed freshman to a confident graduate, I am grateful for the invaluable lessons, lifelong friendships, and countless memories that SMAS has bestowed upon me. The school not only equipped me with the knowledge and skills needed to thrive in today's competitive landscape but also instilled in me a passion for continuous learning and growth. I am proud to be alumni of SMAS and will carry the lessons learned here with me throughout my professional journey.



**Gaurav Kaushik**

**Pharmaceuticals & Medical Device Bureau of India (PMBI)**

Thank you, SMAS, for empowering me to pursue my passions, realize my potential, and make a positive impact on the world. My alma mater will always hold a special place in my heart, and I am honored to be part of the SMAS family. One of the most remarkable aspects of SMAS is its faculty. These dedicated educators not only impart knowledge but also inspire and challenge students to think critically and creatively



**Ms. Anita Tiwari**

**Research Trainee**

**Dabur Research Foundation**

**B. Pharm 2017-2021**

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As an alumnus of this esteemed institution, I carry fond memories and deep gratitude for the invaluable experiences that shaped my journey. [University Name] was not just a place of learning but a vibrant community that fostered growth, inspired innovation, and instilled values that continue to guide me in both personal and professional endeavours.

The faculty's unwavering dedication, the camaraderie among peers, and the numerous opportunities provided have been instrumental in my achievements. Today, as I look back, I am proud to be part of a legacy that nurtures excellence and empowers students to make meaningful contributions to society.

I encourage the current students to embrace every challenge, seize every opportunity, and cherish every moment. To my fellow alumni, let us stay connected and continue to support our alma mater in its pursuit of excellence. Together, we can create a network that inspires future generations.



**Mr. Vaibhav Gandhi**

**M. Pharm Pharmaceutical Chemistry**

**NIPER, Kolkata**

**B. Pharm 2020 - 2024**

It is with immense pride and joy that I reflect on my journey as a part of this prestigious institution. [University Name] has been more than just an academic institution—it has been a place where dreams took shape, lifelong friendships were forged, and values were instilled.

The lessons I learned here, both inside and outside the classroom, have been the foundation of my professional growth and personal



development. The university's culture of excellence, innovation, and inclusivity is a legacy that I am honoured to be a part of.

To the current students, I encourage you to embrace this transformative journey. Make the most of the opportunities available, seek guidance from your mentors, and never shy away from exploring new horizons.

As alumni, we have the power to create a thriving network of support and inspiration. Let us stay connected, share our stories, and give back to the institution that has given us so much. Together, we can continue to uplift the legacy of KR Mangalam University and inspire future generations to achieve greatness.

### **Contact Details of SMAS**

The contact details for the School of Medical and Allied Sciences (SMAS) at K.R. Mangalam University are:

**Dr Hema Chaudhary**

Professor, Dean

Email: [dean.smas@krmangalam.edu.in](mailto:dean.smas@krmangalam.edu.in)

The general contact details for K.R. Mangalam University are:

**Phone:** 011 4888 4888, 8800 697 010–15, 8192 888 444

**Email:** [welcome@krmangalam.edu.in](mailto:welcome@krmangalam.edu.in)

**Address:** K.R. Mangalam University is located at Sohna Road,  
Gurugram, Haryana 122103

### **Event Plan for Odd Semester 2024-25**

<b>Name of the event</b>
PharmaTech Trip : Exploring Dosage Form Manufacturing"
One-Day Trip : Inside the World of Pharmaceuticals:
Exploring Medicinal Plants: A Study at Tau Devi Lal Biodiversity Park
Traditional Medicine Insights: Visit to the Centre of Excellence in Unani Medicine at BNPL, Jamia Hamdard, New Delhi
"A Visit to Primary Health Care Centre"
Field visit to "Water purification plant"
Enhancing Clinical Exposure and Pharmaceutical Practices: A Comprehensive Field Visit
Field visit on "Unveiling Hospital Pharmacy Operations"
Exploring Hospital Pharmacy: A Hands-On Field Visit
From Classroom to Clinic: Field Visit to a Hospital and Clinical Pharmacy"
Pharma Industry Exploration

Academic Visit: Exploration of Research and Technology Development Skills

Industrial Exploration

Pharma Industry Tour

One day Industrial Visit in Manufacturing Plant

INDUSTRIAL TOUR

Workshop on IPR and Patent Filing in India with KEIC

One day national conference entitled "Exploring New Frontiers: Integrating Digital Technologies and Advancement in Pharmaceutical and Allied Sciences"

Extension Activity in the community (case study) with title Addressing Hypertension in Rural Areas

Emerging Trends & Innovations in Pharmaceutical Industry(Awareness in trends and technology)

"Roots & Wings: Alumni Meet"

"Ensuring Excellence: Quality Management in the Pharmaceutical Industry"

Workshop on Computer Aided Drug Design(Awareness on trends and Technology)

*Soft Skills Strategies for Success*

Pharma Students' Rights and Duties: Navigating the Code of Conduct

Professional Ethics: Upholding Standards in Education(Students)

Professional Ethics: Upholding Standards in Academics (For Faculty)

New MOU Activity 1MoU with Industry/ NAAC accredited University/  
Research Institute)

New MOU Activity 2MoU with Industry/ NAAC accredited University/  
Research Institute)

Pending from Even Sem 23-24-2nd MOU Activity 2: Student  
Internship

"Pending activity from odd semester 2022 ""Second Old MoU (Even  
2023) (in lieu of pending Auburn MoU of Odd Semester) MoU of  
SMAS with Dayanand Denanath College of Pharmacy Activity -1 "

Pending activity from odd semester 2022 "Second Old MoU (Even  
2023)  
(in lieu of pending Auburn MoU of Odd Semester)  
MoU of SMAS with K.N Modi College of Pharmacy  
Activity -2

Pending from Even Sem 23-24 -2nd MOU Activity1. student  
exchange/ faculty exchange

Pending activity from odd semester 2023-24  
Activity 2: Collaborative Research & Joint Publication with  
Dayanand Deenanath College of Pharmacy, Kanpur

Pending activity from odd semester 2023-24  
SMAS with Galgotia University/ITM College of Pharmacy, Gwalior  
(any One institute)  
Activity -1

Pending activity from odd semester 2022 "Second Old MoU (Even  
2023)  
(in lieu of pending Auburn MoU of Odd Semester)

MoU of SMAS with K.N Modi College of Pharmacy  
Activity -1

Pending activity from odd semester 2023-24  
SMAS with Galgotia University/ITM College of Pharmacy, Gwalior  
(any One institute)  
Activity -2

**Academic Progression:**

No student shall be admitted to any examination unless he/she fulfills the norms given in

Academic progression rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I, II and III semesters till the

IV semester examinations. However, he/she shall not be eligible to attend the courses of

V semester until all the courses of I and II semesters are successfully completed.

A student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.

A student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time

period as per the norms specified in 26.

A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.

A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.

A lateral entry student shall be eligible to get his/her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms specified in 26.

Any student who has given more than 4 chances for successful completion of I / III semester courses and more than 3 chances for successful completion of II / IV semester courses shall be permitted to attend V / VII semester classes ONLY during the subsequent academic year as the case may be. In simpler terms there shall NOT be any ODD BATCH for any semester.

Note: Grade AB should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

Grading of performances

**Letter grades and grade points allocations:**

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – XII.

Table – XII: Letter grades and grade points equivalent to Percentage of marks and performances

<b>Percentage of Marks Obtained</b>	<b>Letter Grade</b>	<b>Grade Point</b>	<b>Performance</b>
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

### **The Semester grade point average (SGPA)**

The performance of a student in a semester is indicated by a number called ‘Semester Grade Point Average’ (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses (Theory/Practical) in a semester with credits C1, C2, C3, C4 and C5 and the student’s grade points in these courses are G1, G2, G3, G4 and G5, respectively, and then students’ SGPA is equal to:

$$\frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5} \text{ SGPA} = \text{-----}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any

semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$C_1G_1 + C_2G_2 + C_3G_3 + C_4 * \text{ZERO} + C_5G_5$$

$$\text{SGPA} = \frac{\text{-----}}{C_1 + C_2 + C_3 + C_4 + C_5}$$

### **Cumulative Grade Point Average (CGPA)**

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:



$$\frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8} \text{ CGPA} = \frac{\text{-----}}{\text{-----}}$$

where  $C_1, C_2, C_3, \dots$  is the total number of credits for semester I, II, III, .... and  $S_1, S_2, S_3, \dots$  is the SGPA of semester I, II, III, ....

### 1. Declaration of class

The class shall be

awarded on the  
basis of CGPA

as follows: First

Class with

Distinction = CGPA of 7.50 and  
above First

Class = CGPA of 6.00 to  
7.49

Second Class = CGPA of 5.00 to  
5.99

### Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in

group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.

*Evaluation of Dissertation Book:*

Objective(s) of the work done	15
Marks	
Methodology adopted	20
Marks	
Results and Discussions	20
Marks	
Conclusions and Outcomes	20
Marks	

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Total	75 Marks
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*Evaluation of Presentation:*

Presentation of work	25
Marks	
Communication skills	20
Marks	

Total 75 Marks

*Explanation:* The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

#### Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

## **Practice School**

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at college level and grade point shall be awarded.

## **D. Pharmacy**

### **Sessional Examinations**

There shall be two or more periodic sessional (internal assessment) practical examinations during each academic year. The duration of the sessional exam shall be three hours. The highest aggregate of any two performances shall form the basis of calculating the sessional marks. The scheme of the question paper for practical sessional examinations shall be as given below.

#### **I. Synopsis**

=

II. Experiments	=	50*
III. Viva voce	=	10
IV. Practical Record Maintenance	=	10

Total =  
80  
marks

\* The marks for the experiments shall be divided into various categories, viz. major experiment, minor experiment, spotters, etc. as per the requirement of the course.

**Internal assessment:** The marks secured by the students out of the total of 80 shall be reduced to 10 in each sessional, and then the internal assessment shall be calculated based on the best two averages for 10 marks from the sessional and other 10 marks shall be awarded as per the details given below.

Actual performance in the sessional examination	=	
10 marks Assignment marks (Average of three)	=	
5 marks* Field Visit Report marks (Average for the reports)	=	
5 marks\$		
Total	=	20 marks

\*, \$ Only for the courses given with both assignments

and field visit/s

**Note:**

1. For the courses having either assignments or field visit/s, the assessments of assignments or field visit/s shall be done directly for 10 marks and added to the sessional marks.
2. For the courses not having both assignment and field visit, the whole 20 marks shall be calculated from the sessional marks.

**Final Board / University Examinations**

The scheme of the question paper for the practical examinations conducted by the examining authority (Board / University) shall be as given below. The duration of the final examination shall be 3 hours.

I. Synopsis	=	10
II. Experiments	=	60*
III. Viva voce	=	10

Total =  
80  
marks

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\* The marks for the experiments shall be divided into various categories, viz. major experiment, minor experiment, spotters, etc. as per the requirement of the course

## **M.Pharmacy**

### **Sessional Exams**

Two sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical sessional examinations is given in the table. The average marks of two sessional exams shall be computed for internal assessment as per the requirements given in tables.

### **Promotion and award of grades**

A student shall be declared PASS and eligible for getting grade in a course of M.Pharm.programme if he/she secures at least 50% marks in that particular course including internal assessment.

#### **1. Carry forward of marks**

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

#### **2. Improvement of internal assessment**

A student shall have the opportunity to improve his/her performance only once in the sessional exam component of the internal assessment. The re-conduct of the sessional

exam shall be completed before the commencement of next end semester theory examinations.

## Reexamination of end semester examinations

Reexamination of end semester examination shall be conducted as per the schedule given in table 29. The exact dates of examinations shall be notified from time to time.

Table – 29: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I and III	November / December	May / June
II and IV	May / June	November / December

## Allowed to keep terms (ATKT):

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. ATKT rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I and II semesters till the III semester examinations. However, he/she shall not be eligible to attend the courses of IV semester until all the courses of I, II and III semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to IV semesters within the stipulated time period as per the norms.

Note: Grade AB should be considered as failed and treated as one head for deciding ATKT. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

## Grading of performances

Letter grades and grade points allocations:

Based on the performances, each student shall be



awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – 30.

Table – 30: Letter grades and grade points equivalent to Percentage of marks and performances

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

### 3. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called 'Semester Grade Point Average' (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses (Theory/Practical) in a semester with credits C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub> and C<sub>4</sub> and the student's grade points in these courses are G<sub>1</sub>, G<sub>2</sub>, G<sub>3</sub> and G<sub>4</sub>, respectively, and then students' SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4}{C_1 + C_2 + C_3 + C_4}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$C_1G_1 + C_2G_2 + C_3G_3 + C_4 \times \text{ZERO}$$

$$\text{SGPA} = \frac{\text{-----}}{C_1 + C_2 + C_3 + C_4}$$

#### 4. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the IV semesters points and is indicated in final grade report card/final transcript showing the grades of all IV semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA

where  $C_1, C_2, C_3, \dots$  is the total number of credits for semester I, II, III, .... and  $S_1, S_2, S_3, \dots$  is the SGPA of semester I, II, III, ....

#### 5. Declaration of class

The class shall be awarded on the basis of CGPA as follows: First Class with

Distinction	= CGPA of 7.50 and above
First Class	= CGPA of 6.00 to 7.49
Second Class	= CGPA of 5.00 to 5.99

#### 6. Project work

All the students shall undertake a project under the supervision of a teacher in Semester III to IV and submit a report. 4 copies of the project report shall be submitted (typed & bound copy not less than 75 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). The projects shall be evaluated as per the criteria given below.

##### Evaluation of Dissertation Book:

Objective(s) of the work done	50 Marks
Methodology adopted	150 Marks
Results and Discussions	250 Marks
Conclusions and Outcomes	50 Marks
Total	500 Marks

##### Evaluation of Presentation:

Presentation of work	100 Marks
Communication skills	50 Marks
Question and answer skills	100 Marks
Total	250 Marks



**K.R. MANGALAM UNIVERSITY**  
THE COMPLETE WORLD OF EDUCATION

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## NOC Certificate

Mr. /Ms ..... a student of ..... semester ..... for the academic session..... has to undergo an internship for the period of ..... Weeks, commencing from ..... to ..... The internship is mandatory since this will help him/her to acclimatize with the corporate culture and obtain domain exposure for knowledge building. You are requested to assign her/him, a project on his/her domain of specialization. The university has no objection in the student joining organization/Hospital M/s.....

**Student Name:**

**Company Name:**

**Roll No:**

**Name of HR:**

**Course & Year:**

**Phone No of HR:**

**Phone No:**

**E-Mail of HR:**

**Approved by Dean**

**Approved by CDC Department**