



## SCHOOL OF LIBERAL ARTS AND SCIENCES



**MODY**  
**UNIVERSITY**  
OF SCIENCE AND TECHNOLOGY  
LAKSHMANGARH • RAJASTHAN

A Leading Women's University



(3.43 ON THE SCALE OF 4)

Shaping Leaders Through  
**Interdisciplinary  
Excellence**

## School of Liberal Arts and Sciences :

School of Liberal Arts and Sciences offers Undergraduate, Post-Graduate and Doctoral programmes for creative, bright and young minds in the different fields of Arts, Science and Humanities . During these programmes, our well-experienced faculty empowers you with knowledge and skills that help you get closer to your dream profession.

The students are put through a rigorous academic program, with curriculum structure modeled on and strictly adhering to the NEP 2020 framework set by UGC, with the aim of making teaching and learning a continuous process and choice based . Throughout the year there are regular tests, exams, presentations, assignments and group discussions, which strengthen the academic knowledge and groom the overall personality of the students. With us, you can carve a pathway that leads to a successful career and life.

**All the UG Programmes are in accordance with the NEP 2020, the UGC formulated new student centric. "Curriculum and Credit Framework for Undergraduate Programmes (CCFUP)" incorporating a flexible choice-based credit system, multidisciplinary approach.**

### Academic Collaborations and Projects

- CURIE (Consolidation of University Research for Innovation and Excellence in Women Universities) grant under the Knowledge Involvement in Research Advancement through Nurturing (KIRAN)' scheme had been fetched by School of Liberal Arts and Sciences from DST (Department of Science and Technology) Govt. of India.
- SIRO (Scientific and Industrial Research Organizations) recognition by the Department of Scientific and Industrial Research (DSIR)
- University has 12(B) status granted by UGC



## About Mody University :

Mody University of Science and Technology is located in the University town of Lakshmangarh, Rajasthan, a two hours' drive from Jaipur. With 1 Million + Sq. Mtrs. (265 Acres) landscape lush green WI-FI enabled campus, the University is one of architectural marvels in India. The University provides Choice Based Credit system (a liberty to design your own degree), and a new academic model at par with renowned International Universities of the globe. Over the past 23 years the university has become a synonym of excellence in the field of women education. Various renowned institutions have also recognized it as the "Best Women's University of India".

**07**  
Schools

**265**  
State-of-the-art  
Campus

**10000+**  
Strong Alumni  
Connect

**100%**  
Placement  
Assistance

**25+**  
International  
Collaborations

# Department of Arts

The Department of Arts in Mody University believes in fostering critical thinking, creativity, and problem-solving skills, traits valuable to succeed in life.

Our programmes through their interdisciplinary approach encourage collaboration across different disciplines, enriching the educational experience and promoting innovative thinking, cultural awareness and appreciation, helping students understand and respect diversity.

It provides students with the skills and knowledge needed for careers in various industries, such as content writing, media, government, social work and civil society, education and more.

## Programmes Offered

### B.A. / B.A. (Honours) / B.A. (Honours with Research)

- Humanities and Social Sciences
- English Literature
- Psychology
- Political Science
- Journalism and Mass Communication  
(With choice of any one minor subject out of the following: English Literature, Psychology, Political Science, Sociology, Geography, History, French and Sanskrit.)

### Master of Arts (MA)

- English
- Psychology
- Political Science
- Sociology
- History
- Geography
- Environmental Studies

**Doctor of Philosophy (PhD):** In Humanities and Social Sciences, English Literature and Language, Psychology, Political Science, Geography, History, Journalism and Mass Communication, Sociology, Sanskrit, Environmental studies and Hindu Studies

- A student can easily model her Bachelor of Arts course as per her aspirations
- A student learns Social and Professional Ethics, Environment and Waste Management and some other value-added courses from the University open electives
- The Masters programmes are designed according to the recent developments in the fields of Higher Education in general and the subject in particular



**Psychology Laboratory:** Psychology Laboratory is well-equipped with instruments and psychological tests for providing training in conducting experiments in Psychology and developing the skills required for administering and interpreting psychological tests of different kinds like Depth perception apparatus, Mirror Drawing test, Maze Learning test, Thematic Apperception Test, Rorschach Inkblot Test, Ergograph, Koh's Block Design Test, Finger Dexterity Apparatus, Bhatia Battery of Intelligence Test, Seguin Form Board, Tachistoscope, Reaction Time Apparatus, Phi-Phenomena, Division of Attention, Biofeedback, P.G.I. for assessment of mental efficiency.



**Media Lab:** Advanced tools for media production, video editing software, sound equipment, interactive technology, and lightening equipment. Aligned with industry requirements, Industry exposure.



**Geography Lab:** A specialized space for students, researchers, and geographers to engage in activities like data collection, geographic information systems (GIS), remote sensing, analysis of spatial data.



**Internships:** In prominent media organisation like ZEE news, Doordarshan, Dainik Bhaskar, Bharat24, 1st India

**Study India Programme (SIP) for foreign students in Indian Diaspora, Gender Studies, Folk Culture Studies, Religious Studies, Indian Philosophy, Indian Dance, Indian Music, Art, Literature, Indian Politics and Foreign Policy, Indian History**

**Clubs & Societies - : Byzantium (A literary society to instil creativity, imagination and delight in students)**



# Department of Foreign Languages

Learning a foreign language enriches both personal and professional life of the learner.

At Department of Foreign Languages, we believe that in this globalized world, it is imperative for an individual to excel in at least one modern foreign language other than English to be able to explore the international boundaries for professional and personal reasons.

A student must opt one out of the French, German, Japanese & Spanish as a compulsory part of their course curriculum.

These languages are offered under Skill Enhancement Course as recommended by NEP 2020 for overall holistic academic development of a girl student.

UG, PG and Doctoral programmes in French opens a world of opportunities in today's globalized world.

## Programmes Offered

### B.A. / B.A. (Honours) / B.A. (Honours with Research)

#### ■ French

(With choice of any one minor subject out of the following: English Literature, Psychology, Political Science, Sociology, Geography, History, and Sanskrit.)

### Master of Arts (MA)

#### ■ French Studies

**Doctor of Philosophy (PhD):** In French language, French & Francophone literature and cultural studies, Translation Studies and related fields of Study.

#### ■ Certificate of Proficiency

(French / German / Japanese / Spanish)

#### ■ Diploma of Proficiency

(French / German / Japanese / Spanish)

- The Certificate and Diploma Courses in French, German and Spanish: equivalent to A1 and A2 Levels of CEFR.
- The Certificate and Diploma Courses in Japanese: equivalent to N5 and N4 Levels of JLPT.

- Interdisciplinary Integration through a wide variety of electives to choose from.
- Advanced study of Language, Literature and Culture of French and Francophone world
- Specialization in Translation and Interpretation studies



Association with Japan International Cooperation Agency (JICA), to provide authentic Japanese language learning experience by Japanese Native Teacher.

Expert guidance for the JLPT

Deeper insights into Japanese culture through exciting events showcasing traditional calligraphy, enchanting music, and unique working customs

**Ms. Akina Seki,**  
Japanese Language instructor





# Department of Biosciences

Contributing to the understanding of living organisms, ecosystems, and the principles that govern life, and knowledge fundamental to many scientific and medical advancements. Training by combining core courses of Biosciences with other fields such as chemistry, physics and computer science promoting interdisciplinary research and collaboration Cutting-edge research, leading to breakthroughs in medicine, agriculture, environmental science and biotechnology Innovation through the development of new technologies and methodologies in fields of genetics, bioinformatics, and molecular biology.

## Programmes Offered

### B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research)

- Biotechnology
- Lifescience
- Food and Nutrition
- Psychology
- Environmental Science

### Bachelor of Physiotherapy (BPT)

### Master of Science (M.Sc.)

- Biotechnology
- Microbiology
- Food and Nutrition
- Zoology
- Botany
- Psychology (Spec. in Clinical Psychology)
- Environmental Studies

**Doctor of Philosophy (PhD):** In Lifescience, Biotechnology, Microbiology, Food & Nutrition, Zoology, Botany, Environmental Science viz. Microbial Biotechnology, Bioplastics, Biofuels, Biotransformation, Plant Pathology, Tissue culture, Environmental Biotechnology, Agri-Biotechnology, Plant Molecular Biology and Clinical Nutrition, Molecular plant virology, waste to energy conversion, Taxonomy and Cytogenetics of family Drosophilidae, Algal biotechnology, Bioremediation and Waste management.

### Students Placed in

- Govt. Labs: ICAR, ICMR, CSIR, BARC, CMFRI etc.
- Pvt. Companies: CHC Healthcare, Chagg Inc., Shakun Ayurved, Patanjali, Dharohar
- Govt. organizations & institutions and Universities

### Achievements

- Successfully completed several major and minor research projects funded by Department of Science & Technology (DST), Department of Biotechnology (DBT) of Govt. of India.

### Training and Placements

- Food Industries
- Pharmaceuticals
- Biotechnology based companies
- Science administration & management
- Guidance for GATE, CSIR-UGC/ICMR/DBT NET/JRF examinations

**Clubs & Societies - : Bioscientia (A thriving community of Biotechnology, Biosciences, and Microbiology enthusiasts to share knowledge)**



### Laboratories with latest equipment for cutting-edge research

- ▶ Biology Laboratory
- ▶ Molecular Biology & Instrumentation Laboratory
- ▶ Microbiology Laboratory
- ▶ Dietetics Laboratory
- ▶ Central Instrumentation Facility Laboratory
- ▶ Research Laboratory
- ▶ Psychology Laboratory
- ▶ Physiotherapy Laboratory



### Research & Publication

- ▶ Government of India Sponsored Project worth Rs. 3 crores including International Project
- ▶ More than three hundred Research and Review articles
- ▶ More than thirty gene sequences submitted to NCBI, USA
- ▶ More than 15 Edited Books from Springer, Elsevier, CRC press, Nova Science Publisher.

# Department of Physics

Advancing knowledge, driving technological progress, and educating the next generation of innovators and thinkers

**Fundamental Research:** Fundamental laws of nature, from the smallest particles to the vastness of the universe

**Technological Advancements:** Innovations stemming from principles discovered in physics

**Interdisciplinary Applications:** Principles applied in various fields, including engineering, medicine, computer science

**Education and Skills Development:** Develop critical thinking, problem-solving skills, and quantitative analysis abilities

## Programmes Offered

### B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research)

- Physics
- Physical Sciences

### Master of Science (M.Sc.)

- Physics

**Doctor of Philosophy (PhD):** In Physics, Condensed Matter Physics, Nanotechnology and Computational Photonics.

### Career Advancements

- Employable in Software Industries
- Absorbed in Govt/Pvt Research Labs
- NITs/ IITs/Top Institutions Abroad

### Laboratories

- General Physics Lab
- Optics Lab
- Advanced Physics Lab

Equipped with instruments for Zeeman effect, Franck Hertz experiment,  $e/m$  ratio, Millikan's oil drop, Microwave bench, Non-linear dynamics, GM counter, Hall effect, Quincke's method, Laser, and Optoelectronics.

### Training and Placements

- Bhabha Atomic Research Centre
- Indian Space Research Organisation
- Indian Academy of Sciences
- Plasma Research Laboratory
- Bank of America
- Byjus Academy
- Physics-Wallah

**Clubs & Societies - :** Association with Optical Society of America (OPTICA): Student Chapter  
Department Society: Quantum Consortium





# Department of Chemistry

Advances scientific knowledge by contributing to technological progress, healthcare improvements, and environmental protection. Plays a vital role in educating future scientists and innovators who drive these advancements.

**Understanding Matter:** Study of matter, composition, structure, properties, and reactions of substances and the changes it undergoes

**Innovation and Technology:** New materials, drugs, and technologies creating new polymers and materials, developing pharmaceuticals and nanotechnology

**Interdisciplinary Connections:** With biology, physics, environmental science, and engineering for collaborative research to solve complex problems, like developing sustainable energy solutions or understanding biological processes

**Health and Medicine:** Development of new medicines and healthcare solutions, design and synthesis of drugs, understanding metabolic pathways, and creating diagnostic tools

**Environmental Protection:** Studying pollution, creating sustainable materials, and finding ways to reduce waste and conserve resources

## Programmes Offered

### B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research)

- Chemistry

### Master of Science (M.Sc.)

- Chemistry

**Doctor of Philosophy (PhD):** In Organic, Inorganic, Physical, Heterocyclic, Green, Synthetic Organic, and Organometallic Chemistry; Coordination, Nanotechnology, and Material Sciences

## Career Advancements

- Pharmaceutical Industry
- Environment consultancies
- Forensic science laboratories,
- Food and drink industry,
- Plastic and polymer companies,
- Educational institutions
- Scientific research organizations

## Students Placed in

- Pharmaceutical industry like Amoli Organics: A division of Umedica laboratory pvt. Ltd.)
- Chegg. India
- Imagin-XP,
- Institute of Nanoscience and Technology (INST) Mohali, IIT, BHU, Univ. of Rajasthan

## Laboratories

- Undergraduate Chemistry Lab
- Postgraduate Chemistry Lab
- Chemistry Research Lab
- Instrumentation Lab  
Equipped with instruments: UV-Visible / Infra-red / Fluorescence spectrophotometer, Centrifuges, Ultra sonicator, Rotary evaporator, Thermo gravimetric analyzer, Microwave oven, Ball Mill, etc.

**Clubs & Societies - :** Member International student chapter of American Chemical Society

**Department Society:** Tatva (Develop basic and applied chemistry knowledge and experimental skills through national and international events)



# Department of Mathematics

Advancing knowledge, driving technological and scientific progress, and educating future leaders and innovators.

**Foundational Science:** For scientific disciplines, including physics, chemistry, computer science, and engineering.

**Critical Thinking & Problem-Solving Skills:** For career in scientific and technical fields, Finance, Economics, Data Analysis, Real Analysis, Linear Algebra, Complex Analysis, ODE, PDE and Integral Transforms.

**Innovation and Technology:** In Algorithms, Cryptography, Artificial Intelligence, Machine Learning, Operations Research, Graph Theory, Mathematical Modeling, and Simulation.

## Programmes Offered

### B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research)

- Mathematics
- Data Science

### Master of Science (M.Sc.)

- Mathematics

### Master of Arts (MA)

- Mathematics

**Doctor of Philosophy (PhD):** Pure Mathematics, Applied and Computational Mathematics, Graph Theory, Inventory Models, Queueing Models, Numerical Analysis, Non-Linear Functional Analysis, Fractional Calculus, Functional Analysis, Measure of Non-Compactness, Integral Equations

## Career Advancements

- Data Analysis
- Data Scientist
- Data Engineer
- Business Analyst
- Educational institutions
- Scientific research organizations

## Laboratories

- Modelling and Simulation Laboratory with MATLAB and MAPLE  
**Equipped with instruments:** UV-Visible / Infra-red / Fluorescence spectrophotometer, Centrifuges, Ultra sonicator, Rotary evaporator, Thermo gravimetric analyzer, Microwave oven, Ball Mill, etc

**Clubs & Societies - : Siddham (Develop overall mathematical skills of students through organising the various mathematical events)**





# Department of Forensic Science

Comprehensive training in the investigation and analysis of crime scenes and related evidence, equipping individuals with scientific knowledge, advanced methodologies, and specialized skills essential for solving criminal and civil cases.

## Programmes Offered

### B.Sc. / B.Sc. (Honours) / B.Sc. (Honours with Research)

- Forensic Science

### Master of Science (M.Sc.)

- Forensic Science (specialization in Cyber Forensics / Questioned Document / Forensic Toxicology / DNA Fingerprinting)

**Doctor of Philosophy (PhD):** Cyber and Digital Forensics / Questioned Document and Fingerprints / Forensic Toxicology / DNA Fingerprinting / Biology and Serology / Interdisciplinary in Forensic Science

## Training and placements

- State Forensic Science Laboratory
- Mobile crime scene unit
- Wildlife Crime Control Bureau (Govt. of India)
- Regional Forensic Science Laboratory
- Private Labs

## MoUs

- Sherlock Institute of Forensic Science (SIFS), New Delhi for Internships, Placements and Workshops on Forensic instrumentation
- Hawk Eye Forensics, Greater Noida for Internships, Placements and Workshops of Cyber and Digital forensic tools

## Career Advancements

- Private Sector: Opportunities in forensic consultancy, cybersecurity, and corporate investigations.
- Government Agencies: Roles in forensic laboratories, crime investigation departments, and legal consultancy.
- Academic Progression: Qualify for University Grants Commission – National Eligibility Test (UGC–NET) with Junior Research Fellowship (JRF).

## Laboratories

- Forensic Physics & Trace Evidence Lab
- Toxicology Lab

## Events

- Crime scene sketching competition
- Hands On Training (Forensic Instrumentation)
- Forensic Fusion 1.0 & 2.0 (Evidence Hunt & Moot Court)

**Clubs & Societies - : Evidentia (Motto: Absence of Evidence is not the Evidence of Absence)**



# Alumni Speak



During my study, my life in Mody University was amazing. The knowledge and sense that I learned here were far beyond my high school experience.

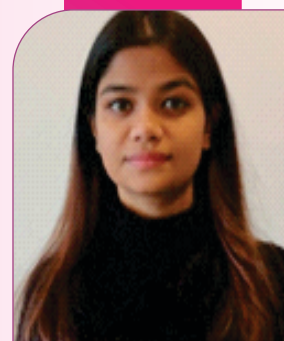
**Vishakha Takhar**

M.Sc. (Physics), (2017-2019), (Qualified NET & GATE). Pursuing PhD at IIT Gandhinagar, Prime Minister Fellowship

"Mody University not only makes you academically strong but also helps to shape your interpersonal skills."

**Sreyoshi Mitra**

B.Sc. (H) Physics, (2016-19), (Qualified GRE, Pursuing M.S. at Monash University, Melbourne, Australia)



I feel immense pride calling myself a Modilite, where my career was expertly moulded. I'm deeply grateful to my professors, supervisor, and the entire staff for their invaluable contributions to my success. Their guidance, support, and mentorship have been instrumental in strengthening my knowledge and propelling my professional growth. Thank you for an exceptional experience that has had a lasting impact on my career."

**Dr. Reema Ningthoujam**

Ph.D. (Microbiology)

Everytime I think about this place, I'm filled with nostalgia. This place and the people here have helped me overcome the fear of speaking for what is right. I hope to contribute towards the betterment of my country.

**Renu Bishnoi**

B.Sc., M.Sc. Chemistry





# Life @ MU





# Be ready for a future in

- Media, Content Writing and Content Creation
- Health Care Services
- Pharmaceuticals and Biotechnology based companies
- Food Industries
- Forensic Science Laboratories
- Government Research Labs
- Psychological Counselling
- Government, Social Work and Civil Society
- Education: Schools, Institutes & Universities



## Admission Steps

- Apply online : <https://applications.modyuniversity.ac.in/>
- Selection: Candidates are selected on the basis of their Marks in Last Qualifying Exam.
- Admission Help line: 1800 419 9988



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Scholarship**



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