



L OVELY
P ROFESSIONAL
U NIVERSITY

Transforming Education Transforming India

STUDY
**CHEMICAL ENGINEERING
& PHYSICAL SCIENCES**

AT
LOVELY
PROFESSIONAL
UNIVERSITY

University with highest NAAC Grade A++ with 3.68 score on 4 point scale

LOVELY PROFESSIONAL UNIVERSITY

Lovely Professional University (LPU) is a multi-faculty research-oriented institution with hi-tech campus offering more than 200 professional programmes. LPU campus is a complete world in itself having students from all states of India and more than 40+ countries of the world. LPU is a world class institution with internationally benchmarked curricula, innovative pedagogy focused on experiential learning, cutting edge research, 450+ foreign tie-ups, well qualified faculty with industry exposure, outstanding sports & cultural facilities, excellent residential facilities, In-campus shopping mall, hospital, banks, postal services etc. The University is ranked high on various parameters by Government Bodies and other credible organisations. LPU receives Highest Grade A++ with 3.68 score on 4 Point Scale by NAAC (National Assessment & Accreditation Council), an Autonomous Institution of the University Grants Commission (UGC), Ministry of Education, Govt. of India. The Times Higher Education World University Rankings 2025 has ranked LPU amongst Top 10 Universities in India Including all Government (even IITs & NITs), & Private Institutions, and many more...



SCHOOL OF CHEMICAL ENGINEERING AND PHYSICAL SCIENCES

At LPU, education is uniquely tailored to bridge academia with industry, ensuring students are prepared for real-world challenges. The curriculum is meticulously crafted to reflect industry trends and demands, providing students with practical skills and knowledge essential for success. Taught by seasoned faculty & industry professionals, students gain first-hand insights and experiences, acquiring valuable perspectives that enrich their learning journey. The multicultural environment fosters collaboration & understanding, preparing students for the dynamic and globalized workplaces of today.





VISION

To become the globally recognized discipline of science and chemical engineering nurturing professionals, researchers, and entrepreneurs through virtuous academics and innovations.

MISSION

- To impart knowledge and skills through experiential training with a focus on outcome-based learning.
- To establish synergistic connect between Academia and Industry for designing and delivery of curriculum.
- To build the infrastructure enabling research to solve societal problems.
- To curate professionals with the temperament of lifelong learning leading to successful careers.
- To nurture competitive professionals and entrepreneurs with ethical leadership qualities.

RANKINGS



**World
University
Rankings 2025**

Times Higher Education Ranking is the World's Most Prestigious University Ranking System

RANKS LPU
9th
IN INDIA

**AMONGST BOTH
GOVERNMENT & PRIVATE
UNIVERSITIES**

Worldwide - 801-1000 Band



Times Higher Education Impact Rankings 2024

RANKS LPU
2nd
IN INDIA

**AMONGST BOTH
GOVERNMENT & PRIVATE
UNIVERSITIES**

Worldwide - 101-200 Band



Ministry of Education, Government of India

RANKS LPU
27th
IN INDIA

**AMONGST ALL
GOVERNMENT & PRIVATE
UNIVERSITIES IN INDIA**

PROGRAMS OFFERED

After 12th Programmes

- **B.Tech** (Chemical Engineering)
- **B.Sc.** Chemistry
- **B.Sc. (Hons.)** Chemistry
- **B.Sc.** Physics
- **B.Sc. (Hons.)** Physics
- **B.Sc.** Mathematics
- **B.Sc. (Hons.)** Mathematics
- **B.Sc. in Physics, Mathematics and Computer Science** (with Minor in Artificial Intelligence and Data Science)

After Graduation Programmes

- **M.Sc. (Hons.)** Physics
- **M.Sc. (Hons.)** Chemistry
- **M.Sc.** Mathematics
- **M.Sc. (Statistics and Data Analytics)**

Ph.D. Programmes

- **Ph.D.** (Statistics)
- **Ph.D.** (Chemistry)
- **Ph.D.** (Physics)
- **Ph.D.** (Mathematics)
- **Ph.D.** (Chemical Engineering)
- **Ph.D.** (Environmental Sciences)



UNIQUE FEATURES & CORE STRENGTHS OF SCHOOL

1600+

Paper Published
in Last Five Years

7000+

Citations

INTENSIVE RESEARCH

60+

Number of Patents
Granted/Filed

33

H Index

20+

Alumni
studying abroad

12

Projects
Granted

OUTCOME-BASED EDUCATION

- Curriculum based upon NEP 2020
- Research oriented curriculum
- Industrial Visit
- Innovative Pedagogy
- National/ International Event
- Guest Lecture
- Workshop
- Capstone Project/ Dissertations
- Study Abroad

MOU SIGNED



PLACEMENT HIGHLIGHTS

Highest Package
17.56 LPA

Average Package
of Top 10%

8.91 LPA

Highest Internship
Stipend per month

1 LPA

Total Recruiters

50+



TOP PLACEMENTS



Sonal Tripathi

B.Tech Chemical
Engineering Reliance
Industries Limited



Naggari Tharakaram

M.Sc. (Statistics and
Data Analytics),
NUVORETAIL



Adithya C V

M.Sc. (Statistics and
Data Analytics),
MERCK INDIA



Payal

M.Sc. (Hons.)
Chemistry,
Jubilant Biosys Ltd.



Annu

Student of M.Sc. (Hons.)
Physics, Skillkart



Muskan Kashyap

M.Sc. (Hons.)
Mathematics,
Data bridge

TIE-UPS



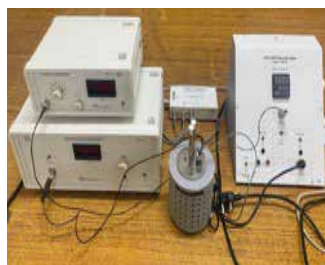
ONGOING RESEARCH IN THE SCHOOL



Hydrogen Generation from the Waste Water



Electricity Generation from the Waste Water



Two probe measurement set up for TCO material & gas sensing



Battery Testing System

CENTRAL INSTRUMENTATION FACILITY



FESEM

The Jeol field emission scanning electron microscope is a versatile high-resolution scanning electron microscope



Thermogravimetric Analyzer

is an equipment that measures the change in weight of the material



X-Ray Diffraction

The D8 Advance is the benchmark when it comes to extracting structural information from XRD including Rietveld (TOPAS) analysis



Electrochemical Workstation

is a multi-channel Potentiostat/galvanostat which is useful in electrochemical measurements



Fluorescence Spectrometer

is a technique that analyze the state of sample by studying its interactions with fluorescent probe molecules



Gas Chromatograph

Mass Spectrometer, Shimadzu is Equipped with an ion source with high sensitivity and long-term stability, and a high efficiency collision cell.

OUR ALUMNI



Ms. Sumanpreet Kaur
M. Sc. Statistics and Data Analytics, Cleared UPSC, Indian Statistical Services (ISS) Examination



Manvi Gupta
M. Sc. (Hons.) Chemistry qualified State PCS JKPSC CCE exam with rank 76 and deputed as Deputy Superintendent of Police



Ansh Sharma
B.Tech. Chemical Engineering generated a whopping Rs. 100 Crore revenue for his startups, DAX Logistics in just 3 years



Md Kismat Rain
B.Sc. (Hons.) Chemistry secured 10th position in the All India ranking in the IIT JAM exam



Shishodia Siddanth
M.Sc.(Hons.) Physics selected for two year with scholarship of 22416 euors for the excellence track program in Physics at JGU, Mainz



Shivani Kataria
M.Sc.(Hons.) Chemistry cleared the CSIR -JRF with all India rank of 74

EVENTS & AWARDS



The winner among the basic science, applied sciences, pharmacy, agriculture & biotech categories, and the first runner-up in the overall university category, at LPU's Innotek : Innovation & Graduating Project Expo



Abstract Book Release during 5th International Conference on Recent Advances In Fundamental And Applied Sciences (RAFAS 2024)



Noor Un Nisa Ph.D. research scholar of environmental science got selected for international research exchange programme in University Technology Petronas, Malaysia



Muqeet Fazal student of MSc (hons) Physics got selected for international research exchange programme (3rd semester) in University of Lodz, Poland



Irfan Akram Ph.D. Research scholar of environmental science got selected for international research exchange programme in University Technology Petronas, Malaysia



Chisomo Daka is the founder, CEO, and CTO of Daka Space Technologies (DST) Ltd. and a lecturer in physics at the Malawi University of Science & Technology (MUST)

DIVERSE COMMUNITIES

School of Chemical Engineering and Physical Sciences is dynamic, multicultural and have an exclusive learning environment. Fostering inclusion and awareness around multicultural education and taking a culturally responsive approach to teaching benefits all students. Diversity is essential and we prepare students to adapt to an evolving world and embrace those different from themselves.



GUEST LECTURES BY EMINENT PERSONALITIES

School of Chemical Engineering and Physical Sciences is the gamut of research activities make it a unique academic environment that stimulates creativity and critical thinking, and providing impetus to recruiting, supporting, and developing highly-skilled motivated researchers.



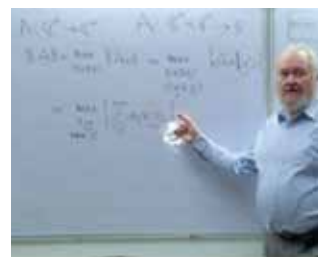
Chairman, ISRO | Secretary, Department of Space (GOI), Shri S. Somanath Addressing LPU students



Three Nobel Laureates at 106th Indian Science Congress at LPU



Prof. H.C. Verma (Emeritus Professor of IIT Kanpur) Interacted with LPU students & Faculty Members



Eminent Professor from Kent State University USA, delivering Lecture to Mathematics Students

LIST OF FACULTY IN TOP 2% SCIENTISTS

Addition of Faculty in top 2% scientists in world - 2023 as per Stanford University, USA



Dr. Navjeet Kaur



Dr. Harjit Singh Ghotra



Dr. Naveen Gupta



Dr. Vishal Thakur



Dr. Abhinav Thakur



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