



SCHOOL OF
**COMPUTER SCIENCE
AND ENGINEERING**

A background image of a computer lab with students working at desks. The image is overlaid with a semi-transparent blue rectangle. Orange squares are placed at the top-left and bottom-right corners of the blue rectangle.

**STUDY
COMPUTER SCIENCE
AND ENGINEERING
AT
LOVELY
PROFESSIONAL
UNIVERSITY**



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 28 states of India and more than 50 countries of the world.

LPU is a world class institution with internationally benchmarked curricula, innovative pedagogy focused on experiential learning, cutting edge research, 300+ 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. Times Higher Education Impact Ranking 2023 has ranked LPU 2nd in India. The Times Higher Education World University Rankings 2024 has ranked LPU 25th amongst Top Universities of India (Both Govt. & Private). The University has also been ranked 38th in NIRF Rankings 2023 by Ministry of Education, Govt. of India amongst all government and private universities in India. LPU also has the distinction of being the first private university in India to get ICAR accreditation from Ministry of Agriculture, Govt. of India for its Agriculture programmes.

ABOUT SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

School of Computer Science and Engineering is pioneer in building competencies of ever-changing technologies to make the engineers of today the leaders of tomorrow. The industry - based curricula focused on innovation and research enable the students to code their way to success. Industrial tie-up with Google, RedHat, Honeywell and state of art labs including iMac lab and many more enable students to get a hands-on experience and challenge the status quo to set new benchmarks of placements. Experienced doctoral members of faculty enable competencies to develop applications and hack success with excellence.

VISION

To be a globally recognized school through excellence in teaching, learning and research for creating Computer Science professionals, leaders and entrepreneurs of future contributing to society and industry for sustainable growth

MISSION

- To build computational skills through hands-on and practice based learning with measurable outcomes.
- To establish a strong connect with industry for in-demand technology driven curriculum.
- To build the infrastructure for meaningful research around societal problems.
- To nurture future leaders through research-infused education and lifelong learning.
- To create smart and ethical professionals and entrepreneurs who are recognized globally.



B.TECH. CSE PROGRAMME OUTCOMES (POs)

Engineering Knowledge :

Apply the knowledge of mathematics, science, engineering fundamentals, & an engineering specialization to the solution of complex engineering problems.

Problem Analysis :

Identify, formulate, review research literature, & analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, Natural Sciences and Engineering Sciences.

Design/ Development of Solutions :

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct Investigations of Complex Problems :

Use research-based knowledge & research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

Modern Tool Usage :

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

The Engineer and Society :

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and Sustainability :

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, & need for sustainable development.

Ethics :

Apply ethical principles and commit to professional ethics, responsibilities and norms of the engineering practice.



Individual and Team Work :

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Communication :

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports & design documentation, make effective presentations, give & receive clear instructions

Project Management and Finance :

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

Life-Long Learning :

Recognize the need for, and have the preparation & ability to engage in independent and life-long learning in the broadest context of technological change

B.TECH. CSE PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- » The graduates shall demonstrate professional advancement through expanded leadership capabilities & technical accomplishment providing solutions to local and global societal issues through mindful engagement.
- » The graduates shall undertake higher education or global certifications or exhibit impactful research accomplishment.
- » The graduates shall extend global expertise in technology development & deployment by becoming an entrepreneur, consultant and innovator.
- » Graduates shall embrace ethics and lifelong learning to adapt to a fast-changing world and enhance global employability in diverse work environments.

B.TECH. CSE PROGRAMME SPECIFIC OUTCOMES (PSOs)

- » Apply acquired skills in software engineering, networking, security, databases, intelligent systems, cloud computing and operating systems to adapt and deploy innovative software solutions for diverse applications.
- » Apply diverse IT skills to design, develop, & evaluate innovative solutions for business environments, considering risks, and utilizing interdisciplinary knowledge for efficient real-time projects benefiting society.

CORPORATE ADVISORY BOARD



Chairperson
Mr. Vinod Sood
Managing Director
Hughes Systique Corporation
(\$25.2M per year.)



Member
Mr. Alok Ramsisaria
Chief Executive Officer
Grazitti Interactive



Member
Mr. Ajay P. Shrivastava
Director & Center Head
STPI



Member
Mr. Rishi Pratap Singh
Senior Director
Infosys



Member
Mr. Rahul Prasad
Cofounder and CTO
Bobbie AI



Member
Mr. Kunal Nandwani
Cofounder and CEO
uTrade Solutions



Member
Mr. Druhin Mukherjee
Co-Founder, CTO
Godspeed Games

ENCOURAGING ENTREPRENEURSHIP

School of Computer Science & Engineering places a strong emphasis on fostering entrepreneurship in addition to educating students for corporate positions. Entrepreneurship Cell ensures that students are nurtured with entrepreneurial orientation through boot camps, workshops, interaction with industry professionals.



RANKINGS



Times Higher Education Ranking 2024

RANKS LPU

9th

IN COMPUTER SCIENCE

Amongst Top Universities of India
(Both Government and Private Universities)
(World Wide - 501-600 Band)



Ministry of Education, Government of India

RANKS LPU

50th

IN ENGINEERING

Amongst both Government
and Private Universities

SOME OF NOTEWORTHY PLACEMENTS



Aditya Ray



Akshay P V



Anand Mohan



Anmol Ahuja



Arkapriya De



Aryan Agrawal



Atul Tripathi



Balvinder Kaur



Harsh Sharma



Himani Bisht



GUEST LECTURES



Dr Mikhail Karyakin
Director,
Southern Federal University, Russia



Prof Dr Valliappan Raju
Director of Research
Perdana University, Malaysia



Mr. Martin Quitzsch
Senior International
Recruitment Manage
Victoria University of
Wellington, New Zealand



Prof Atit Koirala
Director for Office of Strategic Alliance
Dhurakij Pundit University, Thailand



Dr Yash Chawla
Assistant Professor
Wroclaw University of Science &
Technology, Poland



Robert Brannstrom
Assistant Professor
Lulea University of Technology,
Sweden

ACADEMIC ALLIANCES

Honeywell



virtusa
Engineering First

vmware
by Broadcom

PROMINENT RECRUITERS

amazon



Goldman Sachs



J.P.Morgan

Jupiter



servicenow.



CO-CURRICULAR ACTIVITIES

Active Participation of students in various clubs is encouraged to expose them to broader competition. Students have done wonders in the various events that are organized at the university level.



ALUMNI ACHIEVEMENTS



Tanya Arora
an ex-Microsoft employee, now thrives as a Software Engineer II at Uber, showcasing her exceptional skills in the tech industry's forefront.



Surya Teja
a dedicated alumnus, has risen to the position of Quality Engineer at Google, leveraging his skills and education to ensure top-notch standards in tech. His journey exemplifies the transformative power of education in shaping thriving careers in leading companies



Gopinath N A
a proud alumnus, leveraged his Meta iOS Developer Specialization certifications to secure a position as a Sales Specialist at Apple, where he continues to excel in his career.



Hardik Arora
leveraging expertise in JavaScript and business analytics, excels as a JavaScript Engineer at Arthur J. Gallagher. With proficiency in React Native and customer service, he contributes significantly to the company's success, showcasing the power of diverse skill sets in a Fortune 500 environment.



David Kumar
a former student, now thrives as a Software Engineer at Techmonkshub. he's instrumental in developing innovative solutions that redefine the tech landscape. His journey from our university to professional success is a testament to his dedication and expertise in the field.



Prakash Yadav
once a software engineer at Capgemini, transformed his career trajectory by founding Cubicle to Cocktail Co. Today, his innovative venture stands as a testament to his entrepreneurial spirit and determination to pursue his dreams beyond the confines of corporate life.



Anchal Kumari
a former student, now thrives as a Software Engineer at ConverseNow.AI. Her expertise spans GoLang, Python, Java, React & React Native, GraphQL, and Next.js. Her journey from student to tech professional exemplifies the power of dedication and versatile skill sets in the ever-evolving tech industry



Prakhar Tandon
an alumnus, thrives as a Software Engineer at Deloitte USI, leveraging 4 years of expertise in Java, Spring Boot, and more. As part of an agile team, he excels in backend development, contributing to innovative solutions with a diverse tech stack.



LOVELY
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UNIVERSITY

Transforming Education Transforming India

LOVELY PROFESSIONAL UNIVERSITY (LPU)
Jalandhar-Delhi, G.T. Road, Phagwara, Punjab (INDIA) -144411
admissions@lpu.co.in | Contact: 01824-404455

