



**L**OVELY  
**P**ROFESSIONAL  
**U**NIVERSITY

*Transforming Education Transforming India*

# STUDY **COMPUTER SCIENCE AND ENGINEERING**

AT  
LOVELY  
PROFESSIONAL  
UNIVERSITY

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

Think**BIG**

## 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 COMPUTER SCIENCE AND ENGINEERING

School of Computer Science and Engineering is pioneer in building competencies of everchanging 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. With centres of excellence of Google, Microsoft, Intel, Apple iMac, Cisco, VMware, Automation Anywhere, Pega System, Honeywell and industrial tie-ups with IBM, Google Cloud, GeeksforGeeks, UpGrad, Informatica, Xebia, CompTIA, Transorg Analytics, Kalvium, Futureense, Microsoft, 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.

## RANKINGS



Times Higher Education Impact Rankings 2024

**RANKS LPU**  
**2<sup>nd</sup>**  
**IN INDIA**

**AMONGST BOTH  
GOVERNMENT & PRIVATE  
UNIVERSITIES**

Worldwide - 101-200 Band



**World  
University  
Rankings 2025**

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

**RANKS LPU**  
**9<sup>th</sup>**  
**IN INDIA**

**AMONGST TOP  
UNIVERSITIES OF INDIA**

Worldwide - 601-800 Band



Ministry of Education, Government of India

**RANKS LPU**  
**50<sup>th</sup>**  
**IN ENGINEERING**

**AMONGST BOTH  
GOVERNMENT AND  
PRIVATE UNIVERSITIES**

# PROGRAMMES OFFERED

## Regular Programmes (4 yrs.)

B.Tech. (Computer Science and Engineering)

### Specializations/ Tracks/ Minors Offered

Full Stack Web Development | Cyber Security  
Data Science | Machine Learning | Internet of  
Things UI/ UX Design | Android Application  
Development Game Design | DevOps | Robotic  
Process Automation | Software Methodologies  
and Testing

## Hons. Programmes with Industry Collaboration (4 yrs.)

- B.Tech. (Hons.) (CSE) Cyber Security and Block Chain) in tie up with 
- B.Tech. (Hons.) (CSE - Data Science & Data Engineering) in tie up with 
- B.Tech. (Hons.) (CSE - Full Stack Software Development) in tie up with 

## Work Integrated Programmes (4 yrs.)

- B.Tech. (CSE - AI and Data Engineering) in tie up with 
- B.Tech. (CSE - Software Production Engineering) in tie up with 
- B.Tech. (CSE - Machine Intelligence and Data Analytics) in tie up with 

## Specialized Programmes (4 yrs.)

- B.Tech. (CSE - Artificial Intelligence and Machine Learning)









## International Credit Transfer Option

- B.Tech. (Computer Science and Engineering) [2+2 with International Credit Transfer Option]

## Post Graduate Programme (After Graduation)

- M.Tech. (Computer Science and Engineering)
- M.Tech. (Machine Learning and Artificial Intelligence)
- M.Tech. (Information Security and Cyber Forensics)
- M.Tech. (Data Science and Analytics)
- M.Tech. (CSE) (By Research) [1+1 with international credit transfer option] in tie up with Southern Federal University, Russia

## Industry Collaborative Programmes (4 yrs.)

- B.Tech. (CSE- Generative Artificial Intelligence) in tie up with 
- B.Tech. (CSE - Computer Science and Business Systems) in tie up with 
- B.Tech. (CSE - Cloud Computing) in tie with 
- B.Tech. (CSE - Internet of Things) in tie with 
- B.Tech. (CSE - Big Data Analytics) in tie up with 
- B.Tech. (CSE - DevOps (Software Development and IT Operations)) in tie up with 
- B.Tech. (CSE - Data Science with ML) in tie up with 
- B.Tech. (CSE- User Experience (UX)/ User Interface (UI)) in tie up with 

## Doctoral Programs (After Post Graduation)

- Ph.D. (Computer Science and Engineering)

## After Diploma or Certificate Programmes

- B.Tech. (CSE - Artificial Intelligence and Machine Learning) [Lateral Entry]
- B.Tech. (Computer Science and Engineering) [Lateral Entry]
- B.Tech. (Information Technology) [Lateral Entry]



## CURRICULUM INITIATIVES



### TECHNOLOGY-DRIVEN CURRICULUM

LPU revolutionizes education by integrating advanced technology with content, offering an interactive learning experience. Tools like auto-graders for programming and real-world simulators provide practical, hands-on learning and global exposure.



### INDUSTRY EXPERTS

Courses at LPU are delivered in a blended format with insights from industry experts. Live online and offline sessions provide the latest industry perspectives, keeping students ahead of the curve.



### STUDY ABROAD & INTERNATIONAL EXPOSURE

LPU's study abroad programs offer opportunities to attend renowned global universities, providing cultural experiences and academic excellence, shaping students into globally competitive professionals.



### CAREER PATHWAYS

LPU offers tailored career pathways, empowering students to chart their professional journeys. Whether in product-based, service-based, public sector jobs, or higher studies, students develop specialized skills aligned with their career aspirations.



### INTERDISCIPLINARY MINORS

LPU offers interdisciplinary minors, enabling students to explore diverse intellectual interests. Elective courses foster a holistic learning approach, preparing students for future challenges.



### RESEARCH OPPORTUNITIES

LPU encourages critical thinking and innovation through hands-on research experiences. Students develop frameworks, explore advanced methods, and contribute to groundbreaking innovations, preparing them for future challenges.



### OUTCOME BASED

Focus on 'learning outcomes' - what you 'can do' or 'capabilities' you will develop after learning. Curriculum, teaching & learning, and assessment strategies are constructively aligned with the intended learning outcomes and reflect the achievement of higher order learning and mastery.



### INDUSTRY TIE-UPS

LPU partners with leading industry players to create programs that blend academic learning with practical skills. These collaborations ensure students acquire both theoretical knowledge and practical insights, preparing them for diverse career opportunities.



### SEED MONEY

LPU supports early-stage collaborations with substantial seed money. This funding fosters entrepreneurship and research, supporting initiatives from software development to entrepreneurial ventures, nurturing innovation.



### MOOCS, CERTIFICATIONS, AND HACKATHONS

LPU integrates MOOCs, industry certifications, and hackathons into the curriculum, enhancing students' employability and industry recognition. Mandatory MOOCs and opportunities for certifications and hackathons prepare students for real-world challenges.



### ENGINEERING MINORS

Students can choose elective courses to deepen competencies in technical or emerging domains. Minors in areas like Data Science, Machine Learning, and Cyber Security allow students to customize their degrees and shape their careers.



### ENTREPRENEURSHIP INTEGRATION

Entrepreneurial assignments and projects are integrated into LPU's curriculum, encouraging students to cultivate their entrepreneurial spirit and turn passions into viable ventures, fostering a culture of innovation.

## INDUSTRY COLLABORATIONS

and many more...

## PROMINENT RECRUITERS

and many more...



# LPU GRADUATE WORKING AT A PACKAGE OF **₹3 Crore**

in Germany.

**Yasir M.**  
B.Tech.(CSE)



Another LPU graduate  
secures package of

## **₹1 Crore**

**1500+ LPU students selected  
at packages of ₹10-₹64 LAKH\***



**Harekrishna Mahto**  
**₹64 Lakh**



**Arjun**  
**₹62.72 Lakh**



**Abhinivesh G**  
**₹54.9 Lakh**



Scan QR code for all  
details of students  
placed at different  
packages

*and many more...*

## LPU'S WORLD CLASS LABS



GOOGLE LAB



IMAC LAB



VIRTUSA LAB



NEXT-GEN LAB



BOT LAB



100+ COMPUTING LABS



## VISITING EXPERTS



**Vivek Sridhar**

Chief Technical  
Officer, Microsoft for  
Startups



**Mayank Kumar**

Co-Founder & MD,  
upGrad



**Peter Schalkwijk**

Vice President,  
CompTIA (APAC)



**Dr. Mikhail Karyakin**

Director, Southern  
Federal University,  
Russia



**Dr. Valliappan Raju**

Director of Research,  
Perdana University,  
Malaysia



**Mr. Martin Quitzsch**

Senior International  
Recruitment Manager,  
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



**Girish Kumar**

Group President  
at SLK Group



**Yana M.  
Demyanenko**

Associate Professor  
Southern Federal  
University, Russia



**Dr. Charles R.  
Severance**

Clinical Professor,  
School of Information,  
University of Michigan

## ALUMNI SUCCESS STORY



### Neha Mahajan

B.Tech. CSE (2005-2009)  
Software Engineer,  
Facebook, USA

At LPU, I witnessed the peak of our expertise and competence. The wealth of knowledge of the faculty and their supportive nature, along with world-class infrastructure, created an inspiring ecosystem. This environment motivated us to broaden our knowledge and reach new heights throughout our academic journey.



### Sukhdeep Saini

B-Tech(CSE)(2006-10) Tools &  
Automation Engineering  
Manager, Apple

During my four years at LPU, I experienced a complete transformation. I gained professionalism, built strong work ethics, ingrained essential life skills, and formed lifelong friendships. LPU took care of every aspect of my development, shaping me into the professional I am today.



### Anirudh Sharma

B.Tech(CSE) (2016-20)  
Founder & CEO  
@ Digantara

Anirudh Sharma turned his passion for technology into an inspiring journey. Graduating with an Engineering degree, he gained experience in software development. He founded Digantara to tackle global challenges, making a significant impact. Today, he inspires future innovators as its CEO.



### Bhanu Pratap Singh Dadwal

B.Tech. (CSE) (2008-2012)  
Major, Indian Army

LPU provides an environment of discipline and motivation for all students. This culture has helped me develop in the most effective way possible. Today, I proudly serve as a Major in the Indian Army, which stands as a testament to the impact LPU has had on my life.



### Tanya Arora

B.Tech. (CSE) (2016-2020)  
Software Engineer, Uber

As a former Microsoft employee, Tanya Arora now thrives as a Software Engineer II at Uber. Her exceptional skills and dedication have propelled her to the forefront of the tech industry, showcasing the high standards and transformative education provided by LPU.



### Surya Teja

B.Tech. (CSE) (2017-2021)  
Quality Engineer, Google

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





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