



# STUDY COMPUTER SCIENCE AND ENGINEERING

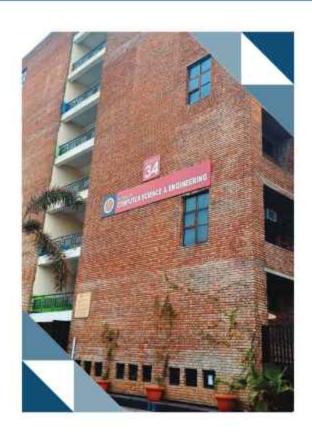
AT LOVELY PROFESSIONAL UNIVERSITY

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 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 curriculafocused 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, Futurense, 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** IN INDIA

AMONGST BOTH GOVERNMENT & PRIVATE UNIVERSITIES

Worldwide - 101-200 Band



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

# **RANKS LPU** IN INDIA

AMONGST TOP UNIVERSITIES OF INDIA

Worldwide - 601-800 Band



Ministry of Education, Government of India

RANKS LPU 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

#### Work Integrated Programmes (4 yrs.)

- B.Tech. (CSE Al and Data Engineering) in tie up With 
   (Information of the property of
- B.Tech. (CSE Software Production Engineering) in tie up with Kalvium
- B.Tech. (CSE Machine Intelligence and Data Analytics) in tie up with "quantiphi

#### 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

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

- B.Tech. (Hons.) (CSE) Cyber Security and Block Chain) in tie up with CompTIA.
- B.Tech. (Hons.) (CSE Data Science & Data Engineering) in tie up with MIMMONIS
- B.Tech. (Hons.) (CSE Full Stack Software Development) in tie up with 36 GookslorGooks

#### Industry Collaborative Programmes (4 yrs.)

- B.Tech. (CSE- Generative Artificial Intelligence) in tie up with Microsoft
- B.Tech. (CSE Computer Science and Business Systems) in tie up with LCS
- B.Tech. (CSE Cloud Computing) in tie with Google Cloud
- B.Tech. (CSE Internet of Things) in tie with intel
- · B.Tech. (CSE Big Data Analytics) in tie up with IRM
- B.Tech. (CSE DevOps (Software Development and IT Operations)) in tie up with Xebia
- B.Tech. (CSE Data Science with ML) in tie up with upGrad
- 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



















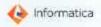












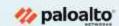














servicenow



virtusa

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

₹1Crore



₹64 Lakh



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

Arjun ₹62.72 Lakh



Abhinivesh G 754.9 Lakh

and many more...



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

# 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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