

LIFE@SOET



CT UNIVERSITY

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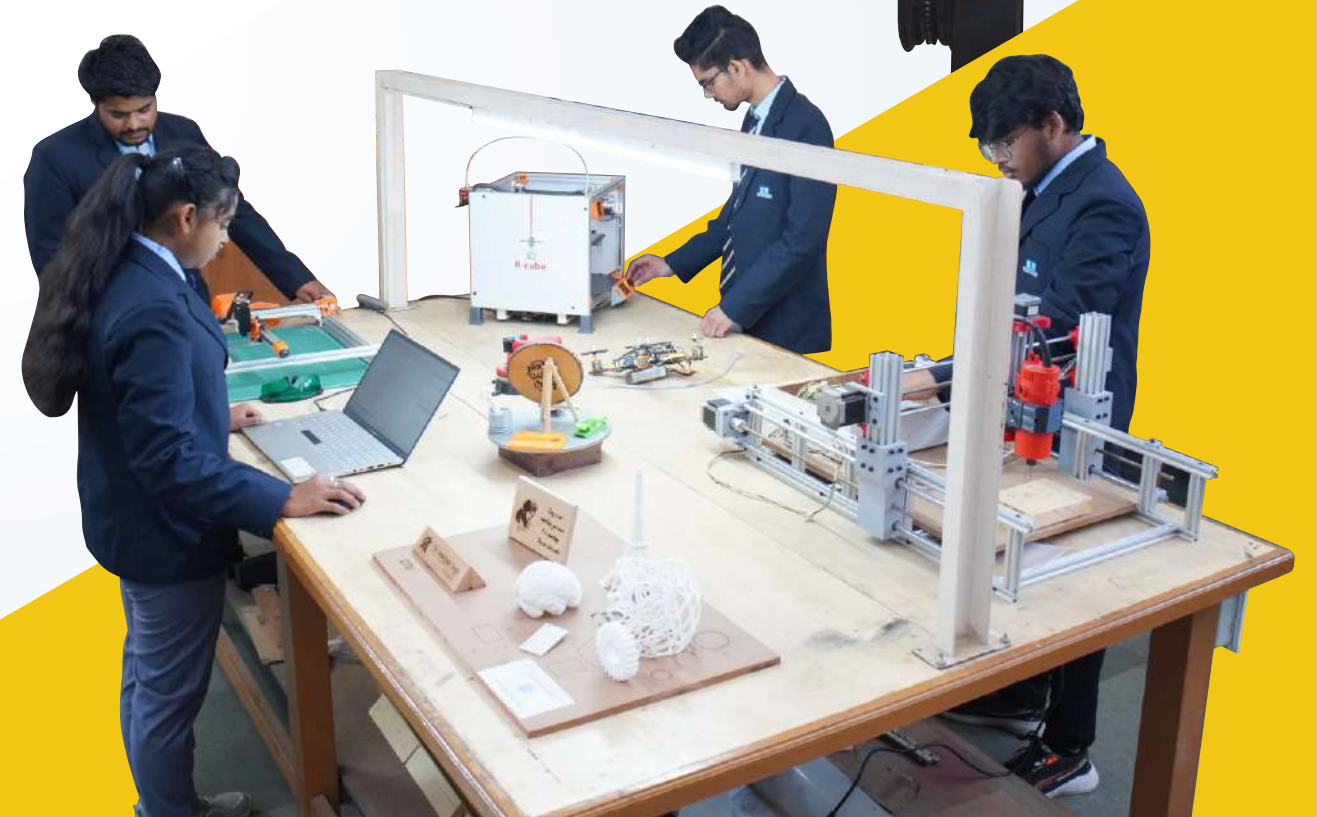
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CTU
CAREER TRANSFORMATION

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SCHOOL OF ENGINEERING AND TECHNOLOGY



ABOUT SCHOOL

The School of Engineering and Technology offers a diverse range of academic programs, including Computer Science and Engineering, Computer Applications, Mechanical Engineering, and Civil Engineering. The curriculum is carefully designed to provide a strong theoretical foundation complemented by practical, industry-relevant skills, ensuring students are well prepared for professional challenges.

Guided by experienced and dedicated faculty members, and supported by state-of-the-art laboratories and modern infrastructure, the school fosters an environment that encourages innovation, critical thinking, and problem-solving. Students are actively engaged in hands-on learning, exposure to emerging technologies, and continuous professional development.

The school places strong emphasis on research and innovation, undertaking projects in cutting-edge domains such as Artificial Intelligence, Robotics, Cyber Security, Machine Learning, and IoT. These initiatives offer students exciting opportunities to work on live and applied projects across advanced facilities including Robotics Labs, Computer Labs, IoT Labs, BOSCH Lab, RICE Labs, and several other specialized laboratories at CT University.

Through experiential learning, industry exposure, and a future-oriented academic approach, the School of Engineering and Technology prepares graduates to become skilled engineers and technology professionals capable of meeting current and future industry demands.

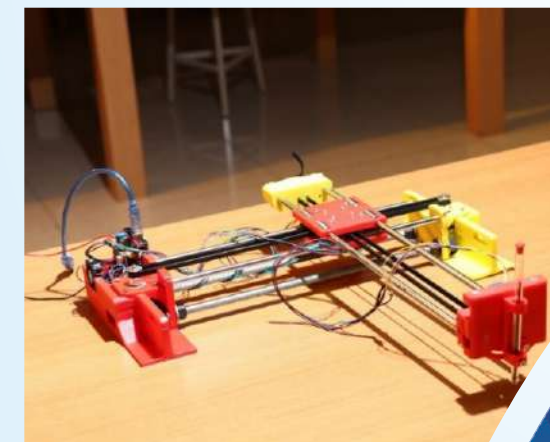
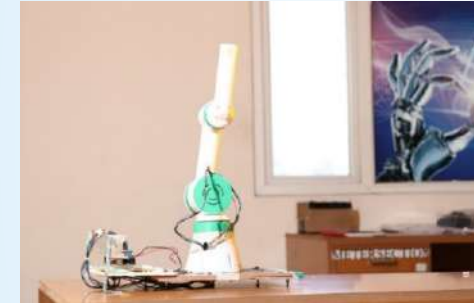
Why Join the School of Engineering and Technology at CT University, Ludhiana?

- **Industry-Aligned and Future-Ready Programs:** Programs integrate emerging domains like Artificial Intelligence, Cyber Security, Data Science, Robotics, IoT and Automation with practical learning and industry collaborations including specializations developed with IBM and other partners to prepare you for real-world career demands.
- **Hands-On Learning & Cutting-Edge Labs:** Access state-of-the-art facilities such as Robotics Labs, IOT Labs, BOSCH Labs and more. Students get to work on live projects and multidisciplinary research with modern equipment.
- **Strong Industry Interface & Placement Support:** The University maintains strong ties with employers and recruiters, fostering internships, live industry projects, expert mentorship and placement opportunities with a notable track record of placements and competitive salary packages.
- **Research, Innovation & Projects:** Numerous opportunities exist for research in cutting-edge fields like AI, ML, Cyber Security and Robotics encouraging innovation, academic exploration and future tech breakthroughs.
- **Vibrant Campus & Holistic Development:** Beyond academics, CTU offers a green, dynamic campus environment that supports cultural events, hackathons, technical fests and student clubs that build leadership, communication and teamwork skills.
- **Scholarships & Financial Support:** Substantial scholarships and financial aid options are available, helping meritorious and deserving students pursue their technical education with less financial burden.
- **Recognized University with Global Outreach:** CT University is UGC-approved with growing national rankings, strong industry collaborations, and an emphasis on research and innovation, giving students broader exposure and learning opportunities.



Innovation @ SOET

- **EMG-Controlled Prosthetic Hand** with basic vibration feedback for improved user interaction.
- **Solar-Powered Vintage Car Model** demonstrating sustainable energy utilization
- **Robotic Dog** designed to mimic the movement and behavior of a real dog
- **Drawing Robot** – a multi-purpose system capable of drawing, CNC operations, and laser cutting.
- **Robotic Arm** – a customizable 3D-printed 6-axis robotic arm with modular, easily replaceable components
- **Smart Agriculture Robot** for automated irrigation and future-ready autonomous farming applications.



PROGRAMS OFFERED

Course	Duration
Diploma in Computer Science and Engineering	3
Diploma in Computer Science and Engineering (Lateral Entry)	2
Diploma in Civil Engineering	3
B.Tech. Computer Science and Engineering	4
B.Tech. Civil Engineering	4
B.Tech. Mechanical Engineering	4
B.Tech. Computer Science and Engineering with Specialisation in Cyber Security and Forensics - IBM	4
B.Tech. Computer Science and Engineering with Specialisation in Artificial Intelligence and Data Sciences – IBM (Lateral Entry)	3
B.Tech. Computer Science and Engineering with Specialisation in Artificial Intelligence and Data Sciences – IBM (Lateral Entry)	3
B.Tech. Computer Science and Engineering (Robotics & Artificial Intelligence)	4
B.Tech. Computer Science and Engineering (Cloud Computing)	4
B.Tech. Mechanical Engineering (Lateral Entry) /B.Tech. Civil Engineering (Lateral Entry)	3
B.Tech. Computer Science and Engineering (Lateral Entry)	3
Bachelor of Computer Application	3
Bachelor of Computer Application (Lateral Entry)	2
Bachelor of Computer Application with Specialisation in Data Science and Artificial Intelligence with IBM	3
Master of Computer Application	2
Master of Computer Application with Specialisation in Data Science and Artificial Intelligence - IBM	2
BCA + MCA	5

Course	Duration
Master of Computer Application with Specialisation in Cyber Security and Forensics -IBM	2
M.Tech. Civil Engineering with Specialization in Transportation Engineering/ Geo Technical Engineering/Construction Technology and Management/Structural Engineering	2
M.Tech. Computer Science and Engineering	2
M.Tech. Mechanical Engineering with Specialization in Production Technology	2

**HIGHEST
PLACEMENTS
@ SOET**



OUR RECRUITERS

Pisoft Informatics Pvt Ltd., Infosys, Webtoks, Cs soft solutions India Pvt Ltd, Solitaire Infosys pvt. Ltd., O7 Solutions, Digimantra, Alpha IT Managed Services P Ltd, Future Finders, Novem Controls P Ltd, Sensation Software Solutions Pvt Ltd, Excellence Web Services, Tekki Web Solutions Pvt. Ltd., Coder Roots, Aosc India Pvt Ltd, Innuvis Solutions Private Limited, Promatics Technology, Jeronone Technologies P Ltd, ANSH InfoTech and many more.



Events and Extracurricular Activities at SOET

AI CONCLAVE 2025

The School of Engineering and Technology (SOET) at CT University successfully organized AI Conclave 2025 – “Where Intelligence Meets Innovation” on September 19, 2025. This prestigious event served as a dynamic platform, bringing together distinguished leaders, industry experts and academic pioneers from across the globe to foster meaningful dialogue and exchange of ideas at the intersection of technology, innovation and academia.



HACKATHON

The Code Crafter 2.0 was a 24-hour National Hackathon organized by the TechVerse Club under the School of Engineering and Technology (SOET) at CT University. The event witnessed participation from students across India, with innovative project themes focusing on environmental sustainability, agriculture, healthcare, cybersecurity and other emerging domains.



Robo Mech 2025

The Department of Mechanical Engineering, under the School of Engineering and Technology at CT University, successfully organized the technical event “Robo Mech 2025” on November 19, 2025. The primary objective of the event was to foster a culture of innovation and provide a hands-on competitive platform for students. The event allowed participants to showcase their technical skills in robotics, design innovation, and mechanical problem-solving, encouraging practical application of theoretical knowledge



2-Day AI Mastery Bootcamp

The 2-Day AI Mastery Bootcamp, held on November 17–18, 2025, successfully equipped students with essential Python programming skills through hands-on training and expert mentorship by IBM Industry Expert Mr. Anand Maurya. The program provided practical exposure to data analytics, Artificial Intelligence, automation and advanced IBM Cloud and Watson technologies, enabling students to build a strong foundation and real-world understanding of modern AI-driven applications.



ENGINEER'S DAY

Engineering Day at CT University (CTU) is an annual celebration organised by the School of Engineering and Technology (SOET) to mark Engineers’ Day a day dedicated to recognising the contributions of engineers and innovation in technology. At CTU (Ludhiana, Punjab), this event brings together engineering students, faculty and industry guests in a series of engaging and educational activities



INDUSTRIAL VISIT

The School of Engineering and Technology conducts industry visits to enhance students practical knowledge and bridge the gap between theory and real-world applications. These visits expose students to industrial processes, advanced technologies, safety practices and professional work culture. Interaction with industry experts helps students gain technical insights, career guidance and better understanding of industry expectations, preparing them for future professional challenges.

