



# UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY

PANJAB UNIVERSITY, CHANDIGARH

SESSION 2021-22

## COMPUTER SCIENCE & ENGINEERING

### FACULTY

- Highly motivated, dedicated team of **17 Core Faculty** (07 Professors, 03 Associate Professors & 07 Assistant Professors, 16 with Doctorate and Postdoctoral experience) and **8 Visiting Faculty**.
- 15+ Years** of Average Teaching and Research Experience.
- Collaborations with International and National Organisations and Industries.

### RESEARCH HIGHLIGHTS (2016-2021)

- Research and Consultancy** grant of about **Rs. 1801.62 lacs** from MHRD, World Bank TEQIP
- DST, MeitY, DRDO, AICTE. • **24+** Sponsored and Industrial Consultancy Projects.
- 650+** Scopus Publications since inception.
- 125+** SCI Publications (**Impact Factor: Average- 4.0 , Maximum- 11.0**)
- 250+** Conference Publications • **5 Patents** Published
- 2nd Rank in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) amongst Indian Universities declared by Ministry of Education, Govt. of India in 2020
- Ranked 4th amongst Indian institutes/ universities by International Ranking Agency, the Times Higher Education (WUR) in 2019-2020

### PLACEMENT

Worldwide Alumni in Industry and Academic Institutes of International Repute

#### Ph.D. graduates

- 30+ PhDs awarded** and working as Faculty members in renowned Universities and Institutions like NIT Hamirpur, NIT Jalandhar, Thapar University, PAU, PTU, LPU, DAV, BBSBEC, CU, Jaypee University etc.

#### M.E graduates

- Placed in Organisations like BSNL, Infosys Limited, DRDO, Lancaster University UK, LPU, CU etc.
- Pursuing higher studies at IIT Ropar, University of South Florida, Panjab University etc.

### MAJOR RESEARCH AREAS

Bio-Medical Imaging, Machine Learning, Deep Learning, Computer Vision, Image and Video Forensics, Data and Video Analytics, Big Data and Artificial Intelligence, Networking and Telecommunication, Natural Language Processing, Social Network Analysis, Cloud Computing, Parallel and Distributed computing.

### RESEARCH COLLABORATORS

Infosys Limited; Coral Telecom; Allengers Medical Systems Ltd.; MeitY GOI; NVIDIA Corp Ltd.; Oceanering Pvt. Ltd; SA SE DRDO, Agriculture Department, Haryana, Panjab Remote Sensing Centre; King Abdulaziz University, Saudi Arabia; PGIMER; GMCH 32 etc.

### RESEARCH LABS

- Computational Neuro Science
- Computer Vision and Image Processing
- Machine Learning and Deep Learning
- Telecommunication Research
- Artificial Intelligence
- Robotics, Sensors and Internet of Things (IoT)
- Cloud Computing

### STUDENT CENTRIC FACILITIES

- Expert Interaction from IITs, Industries, IISc, CRIKC and Foreign Universities.
- Scholars engaged in Teaching Experiential Learning.
- Scholarships/Fellowships for eligible PhD/ME Scholars.
- Digital Access to IEEE, ACM, Springer, Elsevier & UGC Referred Journals through INFLIBNET.
- Involvement in different Student Chapters and Societies like IEEE, CSI, TSDSI, ISTE etc.
- Wi-Fi Facility with **10 Gbps Bandwidth** through National Knowledge Network.
- 24x7 open Reading Hall in Library • Lab access during Off Hours and Holidays/Vacations
- Support for IPR protection through CIIPP
- World Class Sports Facilities like Swimming Pool, Grounds, Indoor Gyms, Shooting Range.

### VISION

To be recognized as an eminent department in Computer Science and Engineering education and research for the benefit of the society globally.

### MISSION

- To create world class computing infrastructure for the enhancement of technical knowledge in field of Computer Science and Engineering.
- To excel in research and innovation for discovery of new knowledge and technologies.
- To produce technocrats, entrepreneurs, and business leaders of future.
- To foster human values for national growth and life-long learning amongst all the stakeholders.



### ELIGIBILITY

#### For ME-CSE/ME-CSE (Cyber security):

BE / BTech. in CSE / IT with GATE/PU Entrance Test

BE/B.Tech Marks in order of preference

#### For PhD-CSE

ME/MTech. with UGC NET/JRF, GATE/PU Entrance or similar Entrance examination conducted by Government of India