

## COMPUTER SCIENCE ENGINEERING PEC UNIVERSITY OF TECHNOLOGY

### PLACEMENT BROCHURE'16

Software being one of the largest growing sectors of the Indian economy, the Department of Computer Science & Engineering at the PEC has been at the forefront of churning out software engineers with a high caliber of technical expertise. It continues to foster and engender the innovation and breadth of vision necessary to excel in the blooming software industry. The experienced faculty exposes the would be computer engineers to a rigorous and exhaustive curriculum designed to bring out the best in them and to keep them in touch with the latest state of the art technology.

The teaching programs have been devised keeping in view close interaction with the industry. The competence of the department is reflected in the growing demand for its fresh graduates. The number of recruiting companies has multiplied many folds in the last few years. A few alumni of the department are offering their expertise in the US with companies like MICROSOFT, SEAGATE, etc.

Also, the Institute-Industry interface programs enable the students to interact constantly with the industries. Equal importance is given to the classroom learning which is meant primarily for the theoretical or conceptual inputs of knowledge on a variety of projects.

### PROGRAMS OFFERED

**B.Tech.**

**M.Tech.**

**PhD**



## COURSES OFFERED

### Programming & Problem Solving

- Data Structures
- Principle Of Programming Languages
- Artificial Intelligence
- Computer Networks
- Computer Graphics
- Web Technologies
- Multimedia Communication & Technology
- Algorithm Design And Analysis
- Theory Of Computation
- Network Security And Cryptography
- Database Management
- Natural Language Processing

### Minor Project

### Industrial Training

### Soft Computing

### Software Engineering

- Engineering Analysis & Design
- Software Engineering
- System Software

### Computer Architecture

- Digital Electronics & Design
- Embedded Systems
- Advanced Computer Architecture
- Microprocessor & Applications
- Operating Systems

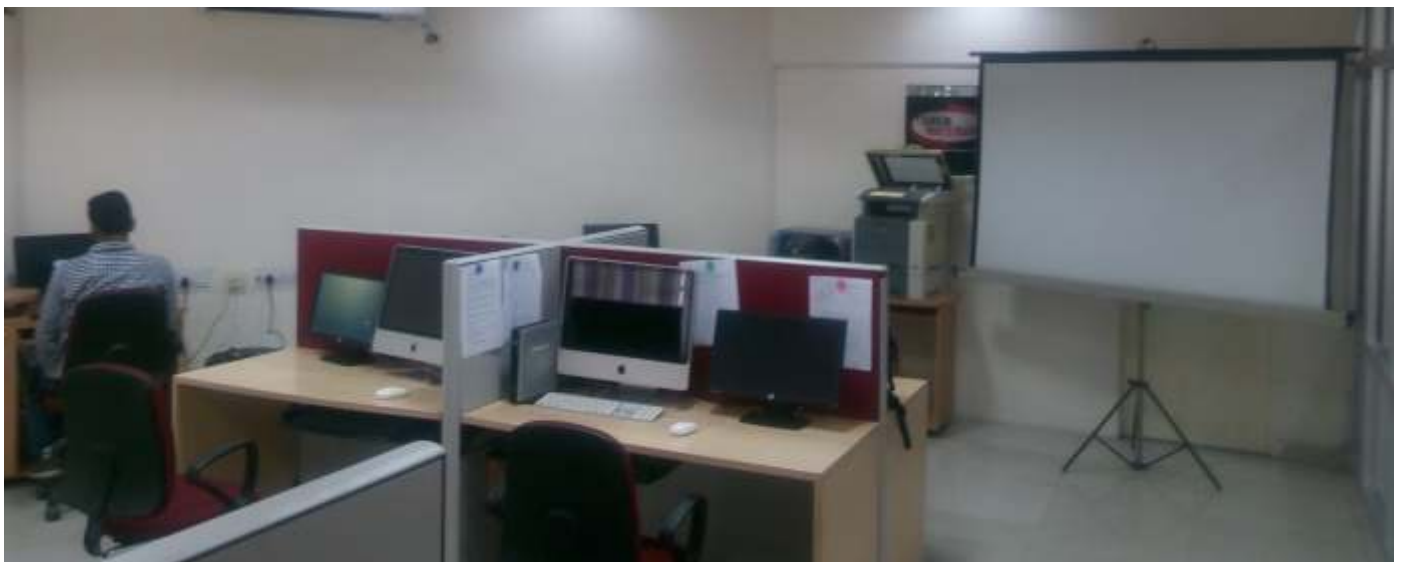
### Soft Computing

### Capstone Project

## RESEARCH AREAS

- Bio-Informatics
- Computer Networks
- Crowd sensing and mobile computing
- Eye diagnoses using neural network
- Fault tolerant distributed computing
- Image Processing , Applications Of Fuzzy Logic
- Information Security and Cyber Warfare
- Intelligent Transport Systems

- Land Record Managed for PSIEC
- Machine Learning
- Microprocessor, Fuzzy Logic
- Network Security
- Resource allocation using genetic algorithm
- Soft Computing
- Software Engineering
- Wireless Networks



# INDUSTRIAL COLLABORATIONS

- Infosys
- Tata Consultancy Services
- Luminous Technology
- IBM



# INTERNSHIPS

## INDUSTRY & RESEARCH INTERNSHIPS

- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li>• Accolite</li> <li>• Agile Media Labs</li> <li>• Amadeus Labs</li> <li>• American Express</li> <li>• Cvent</li> <li>• Uber</li> <li>• Expedia</li> <li>• Gemini Solution</li> <li>• GwynnieBee</li> </ul> | <ul style="list-style-type: none"> <li>• Hindustan Aeronautics</li> <li>• Lexinnova</li> <li>• Linksalpha</li> <li>• Maestro</li> <li>• Maestro Global Services</li> <li>• Megri Soft Ltd.</li> <li>• NHPC Ltd.</li> <li>• Piford Technologies</li> <li>• Quadrant Televentures Ltd</li> </ul> | <ul style="list-style-type: none"> <li>• Roshi Software</li> <li>• Routofy</li> <li>• Samsung</li> <li>• Simply Software pvt. Ltd</li> <li>• STMicroelectronics</li> <li>• Supruk Fitness And Tech Pvt.Ltd.</li> <li>• Texas A&amp;M</li> <li>• Videocon</li> </ul> |
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## FINANCE AND ANALYTICS

- Goldman Sachs
- Amazon
- JP Morgan
- Mckinsey
- Uber



# INFRASTRUCTURE- LAB AND EQUIPMENT

## WIRELESS NETWORKS AND MOBILE COMPUTING

- Wireless Sensor Network IRIS Educational kit
- Lenovo Light weighted laptops Intel core i7 LM
- Libraries: Multimedia & Enterprise Library, Developer, Wireless Library, Advanced Wireless, Cellular Library, Sensor Networks with Zigbee Controls
- Symantec End point protection
- Wireless Outdoor Mesh Points

## CYBER SECURITY RESEARCH CENTRE

- Symantec Endpoint Antivirus Server
- Cisco Firewall
- Cisco Intrusion Detection System
- Forensic Server (Analysis and Recovery)
- Forensic disk Duplicator for Data Acquisition

## SOFTWARE ENGINEERING AND PROGRAMMING LAB

- HCL Infi Pentium IV • IBM Rational SEED Suite
- HCL Desktop Computers with UPS System
- APPLE MAC PRO Pro Server
- Apple I MAC workstations • Cloud ANEKA (Paas Platform)

## COMPUTER NETWORKS LAB

- CISCO Edge Switch with LX Modulars
- Linksys IEEE802.11g Wireless AP
- LAN-T Trainer kits with NEV Network Emulator Unit and Software Forensic disk Duplicator for Data Acquisition
- UPS 1 KVA APC 9
- APPLE MAC PRO Pro Server



## HIGH PERFORMANCE AND COMPUTING LAB

- Apple I MAC workstations
- HPC server capable of 2GPU
- Thin Clients
- CUDA Compilers, Tools & Libraries

## MULTIMEDIA LAB AND GRAPHICS LAB

- Fixed indoor wireless network Camera
- Apple I Mac workstations
- Rack Based 6 QuadCore Servers
- WACOM Digital Table
- Apple 1 TB Time Capsule

## EMBEDDED OS & MICROPROCESSOR LAB

- Microprocessor Trainer kit
- Microcontroller kits

