



## Department of Computer Science and Engineering

**Vision: Excellence in Computer Science and Engineering  
Education and Research**

### Industry Supported Laboratories

#### Microsoft Technical Services Lab



Microsoft

Development of Projects using  
Data Mining Algorithms  
and Data Analytics using Python

#### Unity Multimedia Lab

Training and Building Virtual  
Reality games with Unity and Meta  
Quest

### Laboratories

#### Computer Networks Lab

To provide Network programming  
and Security Testbed experiments

#### Parallel Processing Lab

Development of Parallel, Distributed  
and Cloud based Applications

#### Multicore Lab

Real Time Application Development  
on Multicore Processor

#### Artificial Intelligence Lab

AI, Machine learning and Deep Learning  
based Research and Development

#### Software Engineering Lab

Development of Mobile and Web-based  
Applications Integrated with Hardware  
Components

#### Intelligent Systems Lab

Development of Intelligent Models and  
Solutions for real world applications

### Collaborative Projects with Industries



- Text Analytics –Multiword Tagger
- Characterization of performance and determinism in multicore processor



- Job scheduler for Hadoop clusters
- Map reduce projects
- Topic modeling



- Distributed Indexing
- VM Migration



- Deduplication and recommender system
- Topic Modeling
- Event Recommendation Engine



## Capabilities

- Design and development of 3 Tier FOSS Application Software
- Mobile APP Development
- Website Design, Development, Hosting and Maintenance
- Learning Management Systems Creation, Deployment, Hosting and Maintenance
- Storage and Platform leasing using Cloud environment
- High performance computing facilities with GPU
- Virtual Machine Creation and Deployment
- Virtual Reality (VR) & Augmented Reality (AR) based application development
- Skill Development and coding practice programs

## Infrastructure

**Data Center**



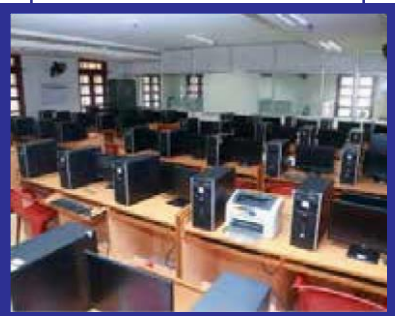
**Cloud Rack**



**32 Node Cluster Rack**



**Multimedia Lab**



**Microsoft Lab**



**Parallel Processing Lab**



## Contact Us

Head of the Department, Department of Computer Science and Engineering Thiagarajar College of Engineering | Madurai – 625015.

hodcse@tce.edu | [www.tce.edu/dept/cse/home](http://www.tce.edu/dept/cse/home)