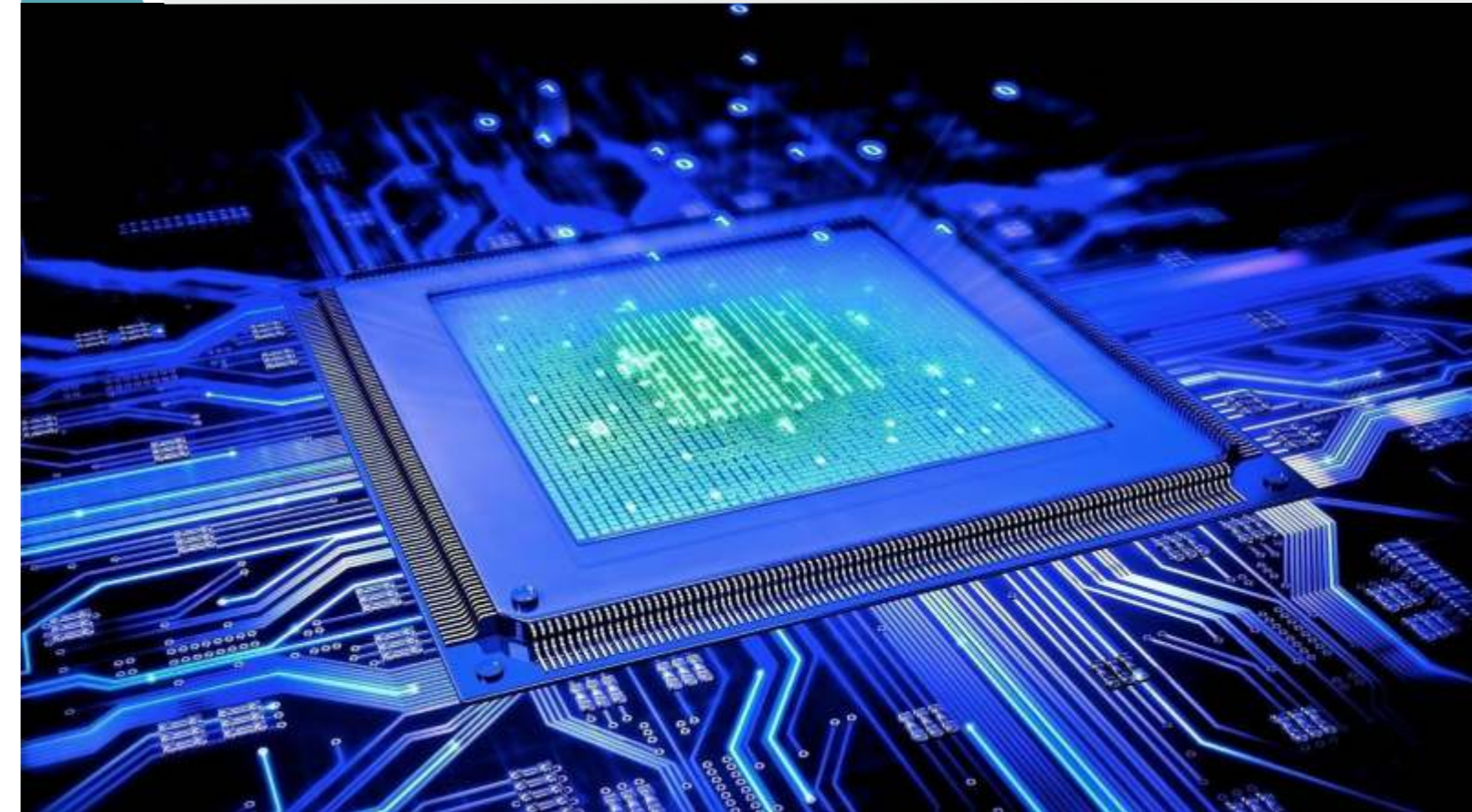




Sri Venkateswara  
University, Tirupati

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



### VISION :

- To be one of the premier departments for achieving excellence in teaching and research with social responsibility and for producing innovative technical graduates in Computer Science and Engineering.

### MISSION :

- To impart Computer Science and Engineering education by utilizing state of the art computing facilities.
- To infuse scholarly inquisitiveness, professional behavior and ethical values among students and research scholars, thereby making an imprint in the technological, economic and social development of the nation.
- To impart high quality professional training of international standards to meet the current and future demands of the industry and academia.
- To develop adequate e-infrastructure, environment and culture for the state-of-the-art research work in Computer Science and Engineering.



## ABOUT THE DEPARTMENT :

The Department of Computer Science and Engineering (CSE) was started in the year 1986-87. This department has been offering undergraduate course in the Computer Science and Engineering and Post Graduate Course in Computer Science and Engineering (CSE) started in year 2005 respectively. Several research scholars are pursuing Ph.D. Programs in the areas viz. Machine Learning, Deep Learning, Big Data, Distributed Computing, Cloud Computing, Computer Networks, Natural Language Processing, Speech Processing, Software Architecture and Software Testing.

## CURRICULUM :

The Choice-Based Credit System (CBCS) has been implemented from the year 2006-07. The courses are classified into basic, core and electives. Most of the theory courses are associated with corresponding laboratory courses to ensure that due importance is given for experimental work. Credits are assigned for each course based on the number of instruction hours allotted per week. A wide range of electives is offered for under-graduate students during the last two semesters of study. Further, they undertake application-oriented project works, along with course work, in the last two semesters. The post-graduate students undertake research-oriented study as project work exclusively for 12 months in the second year.



### HEAD OF THE DEPARTMENT : Prof. M. Humera Khanam

Dr. M. Humera Khanam has been working as Professor and Head, She has 24 years of teaching experience. Her areas of interests include Natural Language Processing, Machine Learning, Deep Learning, IoT, Data Analysis and big Data. She is a Member of IEEE, Life member of ISTE, She received “National award for Teaching Excellency in 2013. She received “Outstanding Faculty Award” in 2016, she received the State Best Teacher award from the Honourable CM of A.P state Govt., on Teachers Day, September 5th, 2022.



### BOS : Prof. Ch. D.V. Subba Rao

Prof. Ch. D.V. Subba Rao has been working as a professor, he has 30 years of teaching experience. His areas of interests include Distributed/ Peer-to-Peer Systems, Wireless Networks, Data Mining and Cloud Computing. At present, Prof. Rao is serving as the Chairman, Board of Studies in CSE, S V University and Chairman, IETE, Tirupati.



### Prof. P. Venkatasubba Reddy

Prof. P. Venkatasubba Reddy, Working as Professor, He has 33 years of teaching experience. His area of interest in AI, DBMS, Fuzzy Systems and Soft Computing..He is a IEEE Member, He served as a BOS Chairman, Head, NCC Officer, Additional Chief Superintendent, Additional Chief Warden, Presently he is serving as a vice principal.



### Dr. N. Usha Rani

Dr. N. Usha Rani has been working as an Assistant Professor, She has 14 years of teaching experience. Her areas of interests are Machine Learning, Deep Learning, Fuzzy Logic, Genetic Algorithms Data Mining, Big Data Analytics.. She is serving as a Member of BOS (UG&PG), CSE, SVUCE, Tirupati.



### Dr. D. Vivekanadha Reddy

Dr. D. Vivekanadha Reddy working as Assistant Professor, he has 14 years of teaching experience. His areas of interests are Software Engineering, Software project management, Database management systems.

## Laboratories

The following laboratories are established in the department for the conduct of laboratory courses as per the curriculum.

IoT laboratory	Microprocessor laboratory	PC Hardware Laboratory
High-Performance Computing Laboratory	UG Software Laboratory	PG Software Laboratory

## Computer Hardware

The major computer hardware available in the department is:

Apple Power Mac G5 Computer Systems	Sun Blade 1500 Workstation	IBM Education Server 9110 Model 510
High-performance Computing System (8-Node cluster)	High-performance Computing System (8-Core Parallel System)	IP Storage Area Network (IPSAN)

## Software

Embedded system development software	Network simulation software	VHDL programming software	DSP software
Borland ALM Suite	Sun Solaris OS	Apple Mac Tiger OS	IBM AIX OS

## PhD Awarded

40 PhDs awarded in the department, several research scholars are pursuing Ph.D. Programs in the areas viz. Machine Learning, Deep Learning, Big Data, Distributed Computing, Cloud Computing, Computer Networks, Natural Language Processing, Speech Processing, Software Architecture and Software Testing.

## Salient Features of the Department

The department keeps its laboratories and library open for 12 hours a day i.e., from 8.30 am to 8.30 pm.

Every classroom / faculty room is provided with internet connection.

Faculty use power point slides and web-based content in classrooms for teaching with the aid of LCD projectors.

It subscribes for a number of national/international technical publications regularly.