

DEPARTMENT OF STUDIES IN COMPUTER SCIENCE MGM



UNIVERSITY OF MYSORE
Manasagangothri, Mysore-570 006 India

COMPUTER SCIENCE

The University of Mysore was established on 27th July 1916 by its founding father, his Highness Nalvadi Krishnaraja Wodeyar, the then Maharaja of Mysore. It is the SIXTH University established in the country and the very First in the Princely State of Mysore.

It was in the year 1986, that the University of Mysore with the support of DRDO, Ministry of Defence, Government of India, launched a very new post graduate program in Computer Science called M.Sc (Computer Science) mainly to cater the demands of good software engineering in DRDO labs all over the nation. B.Sc candidates drawn all over the India, selected through an entrance examination, were given DRDO scholarships and absorbed subsequently after the completion of M.Sc. After the completion of this agreement period of 5 years, the course has been run by the University of Mysore as per the University norms. MCA (Master of Computer Application) was added in the year 1992-93 and till then it is functioning as a Post Graduation department. The department upgraded to the status of Department of Studies in Computer Science in the year 1991-92. The graduates have been doing very well in research labs, industries, multinational companies in India and abroad. The department is committed to bring quality in all the academic programmes.



The University of Mysore is proud that it was the very first University in the State of Karnataka in instituting an exclusive department of Post Graduation studies and research in Computer Science. The ambition of the department is to provide the quality education and practical training and conduct the research of international standards and repute.

Currently the department offers the following programmes:

- M.S in Computer Science and Technology (3 years)
- M.Sc in Computer Science (2 years – optional exit provided to MS entrants)
- MCA (Masters of Computer Application)

- M.Tech in Computer Science and Technology
- M.Tech in Computer Cognition Technology
- M.Sc (Tech) by research
- Ph.D in Computer Science

The tree structure explains the course details.

RESEARCH PROGRAMMES

The Department in principle aims to develop research activities all the areas of computer science and technology. Presently computer Cognition Technology is identified as the thrust area of research.

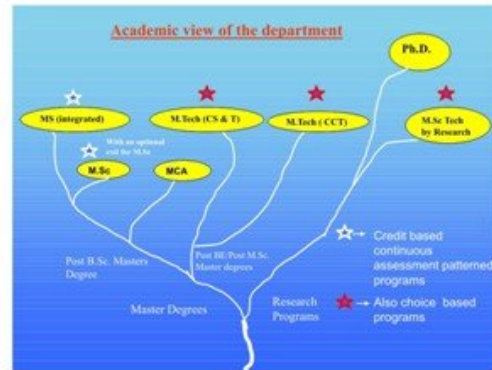
The department is very well known at national and international levels for the research activities in Pattern Recognition, Image Processing, Computer Vision, Character Recognition and Analysis, Artificial Intelligence, Symbolic Data Analysis, Dimensionality Reduction, Object Recognition, Pitman Shorthand Recognition, Multilingual Recognition, Compilers.

Since I.I.I 1997, 26 candidates have got their Ph.D degrees and 10 candidates have completed M.Sc Tech (by research). Right now 28 candidates are working towards their doctoral degree. About 300 papers produced shows the commitment of the department towards quality research. The department is also actively involved in conduction of international level conferences such as of NCDAR 2001, NCDAR 2003, ICCR 2005, ICCR 2008, ICSIP 2009.



The Department has been carrying out research projects sponsored by various funding agencies like DST, UGC, AICTE and ISRO.

The department is equipped with an exclusive research laboratory with all the infrastructure facility.



FACULTY PROFILE

We have a dedicated team of faculty members, that include two Professors, two Readers, and five Lecturers, with six of them having doctoral degree, two of them about to complete and five guiding several research candidates.

Prof. P. Nagabushan has a rich experience in teaching and research, with several international journal publications to his credit. He has successfully guided several Ph.D candidates and continues to guide many more. He is currently the Director, PMEB, University of Mysore, Mysore. His teaching interest includes Analysis and Design of Algorithms, Advanced Algorithms, Graph Theory, Simulation and Modelling.

Prof. G. Hemantha Kumar, is the first Ph.D recipient of this department. Currently he is the Chairman of the department. He has authored several research papers. He is the System Co-Ordinator of Information Communication Division (ICD), University of Mysore, Mysore. Presently, he is guiding the Ph.D candidates and already produced several Ph.D candidates. His teaching interest covers Pattern Recognition and Image Processing.

Dr. D. S. Guru is an active researcher and an adorable teacher. He is a fellow of BOYSCAST. He has many research articles to his credit. He is currently guiding Ph.D and M.Sc (Tech) by research candidates. He did his Post Doctoral research at Michigan State University. He is the Co-Ordinator of M.Tech programme and he is incharge of the research laboratory. His teaching interest covers Advanced Data Structures, Automata and Languages, Database System and Object Recognition.

Dr. Suresha, a senior Lecturer has a rich experience in teaching. He is supervising a couple of research students. He is the Co-Ordinator of M.S programme and he is in charge of placement activities. His teaching interest covers Distributed Systems, Database Systems and Web Technology.

Dr. Lalitha Rangarajan, a Reader has an experience of teaching in abroad also. She is guiding few Ph.D and M.Sc (Tech) by research candidates. She is incharge of library and course scheduling activities in the department. She also guides Ph.D and M.Sc (Tech) candidates. Her teaching interest covers Operational Research, Computer Graphics and Simulation and Modelling.

Smt. L. Hamsaveni, Lecturer, has a rich teaching experience and she is the Co-Ordinator of MCA programme and is incharge of students internal assessment activities in the department. Her teaching interest covers Operating System and Numerical Algorithms.

Sri. J. Hanumanthappa, Lecturer, is pursuing Ph.D. He has more than 5 years of teaching experience. His teaching interest covers Programming languages and Computer Networks.

Dr. H. S. Nagendra Swamy, Lecturer, has got a rich teaching experience and he is planning to guide Ph.D and M.Sc (Tech) by research candidates. He is incharge of laboratories. His areas of teaching covers Computer Organization and Architecture, Software Engineering, Data Structures.

Kum. Sharada. B. is a Lecturer. She is about to complete her Ph.D in Mathematics. She has more than 3 years of teaching experience. Her teaching interest covers Discrete Mathematics, Probability and Statistics and Computer Graphics.

The class rooms are well equipped with modern teaching aids such as LCD & overhead projectors, glass boards and scanning devices. It is maintained that the intake in any section shall never exceed 30 students to have better and effective learning.





The department is offering B.Tech in Information Technology exclusively for foreign nationals under collaborative culture exchange programme. Right now it has a tie up with Huanghuai and Wuhan Universities, China. Currently planning to extend this service by offering M.S in Information Technology. An exclusive laboratory has been set up for this programme.

The department has well equipped general purpose laboratories. The facilities provided include Sun Microsystems, Silicon Graphics, IBM Workstations, Image Pro Workstations, Linux/Windows/Unix servers, Multimedia imaging and Printing equipments. All systems have internet connectivity with 100Mbps. Laboratories are opened for 24 hours even for Master's students.



In addition to main library in the campus the department has setup an independent library with about 6000 books exclusively for the students of the department. The library includes recent editions, volumes and well known conference proceedings.