ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY OF MYSORE

DEPARTMENT OF STUDIES IN COMPUTER SCIENCE

Manasagangotri, Mysuru-570 006

ಗಣಕ ವಿಜ್ಞಾನ **Computer Science**

Vision
To be recognized as a Premier Center for Excellence in Computer Science education fostering Research, Innovation and Entrepreneurial attitude in students.

Mission
Empowering students and research scholars with knowledge, advanced research and skills in developing technological based solutions for day-to-day problems.

Motto
Demonstrating abilities in building up Artificial Intelligence (AI) based solutions with cutting edge technology for various day-to-day complex problems.

Programmes Offered

- 3 years M. Sc. Tech. in Computer Science (with an optional exit at the end of second year for M.Sc. in Computer Science)
- Master of Computer Application (MCA)
- M.Tech. in Computer Science and Technology
- M.Tech. in Computer Cognition Technology
- M.Phil. in Computer Science and Technology
- M.Sc. (Tech.) by Research
- Ph.D. in Computer Science

GENESIS

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. in Computer Science mainly to cater the demands of good software engineers in DRDO labs all over the nation. B.Sc. graduates drawn from all over India selected for admission to the M.Sc. programme through a National Level Entrance Examination, were given DRDO scholarships and subsequently absorbed after M.Sc. After the completion of an agreement for a period of 5 years, the programme has been run by the University of Mysore as per the University norms.

Later in the year 1992, another programme called Master of Computer Application (MCA) was introduced. The research activities leading towards Ph.D. in Computer Science got initiated soon after appointments of regular faculty members in the year 1996. In the years 1998, 2000 and 2001, three more programmes viz., M.Tech. in Computer Science and Technology, M.Sc. (Tech.) by Research and M.Tech. in Computer Cognition Technology were also started respectively. The M.Phil. in Computer Science and Technology programme was initiated in the year 2016.

The graduates of all the programmes have been doing very well in Research Labs, Industries, and Multi- National Companies across the globe. The Department is proud to be the very first Department in the State of Karnataka to offer various Post Graduate Programmes and Research in Computer Science. Further, the Department is the first department in adapting the culture of **Choice Based Credit System (CBCS)** Pattern of Education in the entire campus as early as in the year 2000.

The Department was recognized by UGC under **Special Assistance Programme (SAP)** level DRS-I on the thrust area of **Document Image Forensic** in the year 2011. The Department also has housed a special laboratory called **High-Performance Computing (HPC)** as a campus facility in the year 2012.
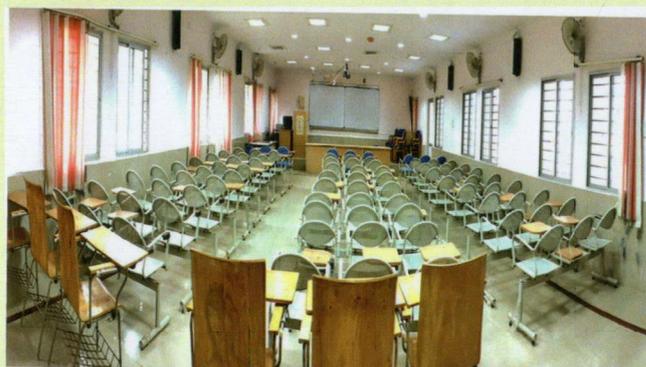
Thrust Areas of Research

Pattern Recognition, Image Processing, Biometrics, Artificial Intelligence, Machine Learning, Deep Learning, Symbolic Data Analysis, Data Indexing, Document Image Processing, Data Mining, Wireless Sensor Network, Underwater Acoustic Network, Intrusion Detection System, Internet of Things, Block Chain, Cyber Security.

Research Output (Overall)		
Ph.D.'s awarded	:	82+
Ph.D's ongoing	:	40+
Publications	:	1000+
Books Published	:	3
Books Edited	:	5
Journals Edited	:	2

Mysore University Computer Science Alumni Association (MUniCSAA)

The Department has its own alumni association named Mysore University Computer Science Alumni Association (MUniCSAA) established in the year 2011 with an intention to provide a meaningful platform for having interactions amongst all our former students, staff, and university authorities. Today, the MUniCSAA has a strong alumni network of more than 700+ members. The Association actively participates in academic activities of the department and contributes to its welfare. The members of the association are spread all over the globe at various capacities in Academia, Industries and Research Laboratories proliferating the image of the department very high. The association has instituted **MUniCSAA endowment Gold Medal** to encourage good performing students at B.Sc. level.

Facilities & Infrastucture

- Classrooms equipped with LCD projectors, computer systems and furniture.
- Desktop computers of various brands like Acer, Dell, HCL, HP, IBM, Wipro, Thin clients systems with latest technology.
- Laboratories with specialized application softwares and development tools to meet the industry requirements.
- Two exclusive research laboratories with well configured computers supporting AI based research.
- High-Performance Computing (HPC) laboratory with GPU based computing systems enabling parallel processing.
- Departmental library with more than 5000 books, 500 project reports and 100 Ph.D. theses.
- Water purifiers with options of Hot, Ambient, and Coldwater.
- 350 Mbps Wi-Fi facility, Local Area Network (LAN) and CCTV Surveillance based safety.

Programs Organized

- International Conference on Cognition and Recognition (ICCR, 2011)
- Special Lecture Series as part of Silver Jubilee Celebrations of the department, 2011
- Students' IT Fest Effigy - 2k14 & Effigy-2k15
- Three-days National Seminar on Soft Computing Techniques to Pattern Recognition (SCTPR, 2016)
- Students Project Poster Presentations, 2016 and 2017
- Monthly Seminar Series (2016-17)
- DAL Pre-Conference tutorial (2018)
- International Conference on Data Analytics and Learning (DAL-2018)
- One-Day National Level Seminar on Application of Machine Learning and Pattern Recognition in Bioinformatics (AMLPRB, 2019)
- Three-Days National Level Workshop on Data Analytics and Learning (NWDAL, 2019)
- Three-Days National Workshop on Multidisciplinary Perspectives on Indigenous Languages, Cultures and Societies(Dec.2019- Jan.20)
- Five-Days National Webinar on Recent Trends in Social Internet of Things (2021)
- Five-Days FDP on Principles of Artificial Intelligence, Machine Learning, and Deep Learning (2021)

International and National Linkage

- Huanghuai University, Zhumadian, China
- IIIT Sri City, Chittoor
- IIIT, Allahabad
- IIIT, Kota, Rajasthan
- IISc, Bengaluru
- IIT Kharagpur
- IIT, Univesity of Dhaka
- ISI, Kolkata
- Kuvempu University, Shivamogga
- Mangalore University, Mangaluru
- Michigan State University, USA
- MIT Mysore
- MOSCOW State University, Russia
- National Institutes of Health, Maryland
- Norwegian University of Science and Technology, Norway
- Nottingham Trent University, England
- Qatar University, Doha
- SJCE, Mysuru
- Techno India College of Technology (TICT), Kolkata
- University Malaysia Pahang, Malaysia
- University Malaya, Malaysia
- University of South Dakota, USA

Faculty Profile

Dr. Suresha M.Sc., M.Phil., M.Tech., Ph.D.,
Professor
Specialization : Web Technology, DBMS, Internet, Opinion Mining, Image Search Engines, IOT, Data Structures and Algorithms.

Dr. D. S. Guru M.Sc., Ph.D., PostDoc. (USA), Fellow of BOYSCAST (2005)
Professor
Specialization: Pattern Recognition, Image Processing, Data Structures, Algorithms, Computer Vision, Data Indexing and Retrieval, and Symbolic Data Analysis.
Awards: Fellow of BOYSCAST (DST Govt. of India), Awardee of ARP (VGST, Govt of Karnataka) and Best Ethical teacher at Higher education (Rotary Mysore).
Research Recognition: Associate Editor for the International Journal of Pattern Recognition. Recommending reviewer for many Elsevier journals and IEEE transactions.

Dr. H. S. Nagendraswamy M.Sc., Ph.D.,
Professor
Specialization: Software Engineering, Computer Graphics, Pattern Recognition, Image Processing, Data Mining, Fuzzy Theory, Symbolic Data Analysis, Video processing, Shape analysis.
Research Recognition: Reviewer for journals of PR and PRL.

Dr. Hanumanthappa J. BE, M.Tech., Ph.D.,
Associate Professor
Specialization: Big data analytics, Block chain technology, Internet of Things, Fog Computing, Edge Computing, Cloud Computing, Deep Learning, Neural Networks, Artificial Intelligence and Machine learning.

Smt. L. Hamsaveni M.Sc.,
Assistant Professor
Specialization: Computer Organization, Computational Techniques, Operating Systems, Systems Software, Document Analysis, Image Processing, Character Recognition.

Dr. B. Sharada M.C.A., M.Sc.(Maths), Ph.D.,
Assistant Professor
Specialization: Graph theory and Algorithms, Computer Graphics, Discrete Mathematics, Linear Algebra, Probability & Statistics, Numerical Algorithms and Data Structures

Superannuated

Dr. G. Hemantha Kumar M.Sc, Ph.D.,
Hon'ble Vice-Chancellor, University of Mysore
Specialization: Image Processing, Pattern Recognition, Numerical Technique and Biometrics.
Awards: The Millennium Plaques Honor (Indian Science Congress Association, 2018), Upadhyaya Samman State Level Award (Upadhyaya Moodubelle Art Foundation, 2017) Teachers day Award (Lions Rotary Club, Mysuru, 2017).
Research Recognition: Recommending reviewer for many Elsevier and Springer journals.

Dr. P. Nagabhushan BE, M.Tech., Ph.D., FIE, FIETE,
Director, IIIT, Allahabad
Specialization: Image Processing, Pattern Recognition Document Image Processing, Algorithmics, Dimensionality Reduction, Graph Theory and CBCS.
Research Recognition: Recommending reviewer for many Elsevier journals and IEEE transactions.

Dr. Lalitha Rangarajan M.Sc., M.Phil., M.S., Ph.D.,
Professor
Specialization: Dimensionality Reduction, Bio Informatics, Image Retrieval, Code Similarity Detection and Micro-array Image Processing.

Additionally, Department also has support of more than **20 Guest Faculty** members.

Contact : **The Chairperson**
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