**Information of the department**

The Department of Information Science was started in the year 2000 with the main objective of creating skilled manpower in the field of Information Technology. Over the years the department has established itself as an excellent center and enjoy high ranking among among the best. The department has faculty members with outstanding academic records. Most of the faculty members have gained experience at well known universities in Asia, Europe & USA. The department offers four years undergraduate program in Information science & two years master program in Software Engineering. One of the principle aim of the department is to involve in inter-disciplinary collaborative research and create solutions that will have immense impact for the future. The faculty of Information Science & Engineering department have earned very good appreciation from the students and among the technical community.

The department has collaboration with NOKIA university relation in Finland and supports wide varieties of activities in mobile innovation field. The department is all set to establish a new research facility in the field of Computational Biology whose aim is to innovate solutions on critical problems at the level of proteins & genes that lead to detection of diseases by making use of efficient machine learning procedures.

In order to provide non curricular activities, the department has set up three clubs

1. Natures Club
2. Technical Club
3. Social Club

These clubs will provide platforms for the students & staff to explore the talents and provide platforms for recreation. The department aims to provide multidimensional growth for every students admitted to the programs offered.

**Academic programs**

**The Department offers the following academic programs:**

**Course-work oriented programs**

- 4-year B.E program
- 2-year M.Tech program
Research programs
Ph.D. program: in computer science & Engineering under JSS Research Foundation, Mysore

Course Oriented Programs

BE program:
The BE program is a four-year course oriented undergraduate program. The course work is spread across all the 8 semesters. The courses include a set of core courses offered by the department, some free electives. Each batch of students max of 4 and min of 2 per batch must start working towards a project in the seventh semester and finally complete the projects towards the fulfillment of the degree requirements.

M.Tech. program:
The M.Tech. program is a two-year course oriented graduate program. The student has to take a set of core courses and a set of electives. The course work is spread across the first two semesters with an option of taking two electives in the first and second semesters. This is followed by an industrial training in the third semester and start of an individual project in the fourth semester in which the student can take up a project of his or her interest, supervised by a faculty member.

Faculty teaching

<table>
<thead>
<tr>
<th>NAME</th>
<th>DESIGNATION</th>
<th>Research areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. T. N. Nagabhushan</td>
<td>Professor Head of the Department</td>
<td>Nueral networks, Machine learning</td>
</tr>
<tr>
<td>Dr. B. S. Mahananda</td>
<td>Asst.Professor</td>
<td>Machine Learning, Image processing</td>
</tr>
<tr>
<td>Dr. D. S. Vinod</td>
<td>Asst.Professor</td>
<td>Machine Learning, Image processing</td>
</tr>
<tr>
<td>R. J. Prathibha</td>
<td>Asst.Professor</td>
<td>Natural language processing</td>
</tr>
<tr>
<td>Anandraj Ulle</td>
<td>Asst.Professor</td>
<td>Computational biology, Machine learning</td>
</tr>
<tr>
<td>S. P. Shivaparakash</td>
<td>Asst.Professor</td>
<td>3g networking and communications</td>
</tr>
<tr>
<td>P M Shivamurthy</td>
<td>Asst.Professor</td>
<td>Computational biology, Machine learning</td>
</tr>
<tr>
<td>Dr.Harish B S</td>
<td>Asst.Professor</td>
<td>Text clustering, Image processing</td>
</tr>
<tr>
<td>Vanishree Arun</td>
<td>Asst.Professor</td>
<td></td>
</tr>
<tr>
<td>B V Shilpa</td>
<td>Asst.Professor</td>
<td>Image processing, Machine learning</td>
</tr>
<tr>
<td>Vani</td>
<td>Asst.Professor</td>
<td></td>
</tr>
<tr>
<td>Manju N</td>
<td>Asst.Professor</td>
<td></td>
</tr>
</tbody>
</table>
Non Teaching

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Somashekar A</td>
<td>Mechanic</td>
</tr>
<tr>
<td>Phaneendra kumar R</td>
<td>Mechanic</td>
</tr>
<tr>
<td>Raju G Rathod</td>
<td>Mechanic</td>
</tr>
<tr>
<td>C.V Vinodkumar</td>
<td>Computer operator</td>
</tr>
<tr>
<td>Shubangini</td>
<td>Stenographer</td>
</tr>
</tbody>
</table>

Research projects

**List of Papers Published**

2011


2010


2009


8. ‘On the Computation of Width of Gaussian Kernels used in Auto-configuring RBF Networks’ T N Nagabhushan and S K Padma, 4th Indian International Conference on Artificial Intelligence IICAI-09, 16-18 December 2009, Tumkur, India.

2008


2007


19. ‘Incremental Learning in RBF Networks with Significant Samples’, TN Nagabhushan and SK Padma, Int. Conf. on Information Processing ICIP-2007, Bangalore, August 2007

2006


2005

22. ‘IT Education for rural Development’, BG Sangameshwara and UM Mallikarjuna Swamy, Int. Conf. on Education, Singapore, Dec 2005

23. ‘Information Theoretic approach to Image Registration’, Ashwath Kumar, TN Nagabhushan and BS Mahanand, National Conf. on Vision, Graphics & Image processing (NVGIP), JNNCE, Shimoga, March 2005

24. ‘Heralding a New Dawn in Rural Health: A System’s Approach’, BG Sangameshwara and UM Mallikarjuna Swamy, Int. Conf. on Water and Health WAH-2005, SJCE, Mysore, Jan 2005

25. ‘Tool Wear Monitoring in Face Milling using Fuzzy Pattern Recognition Techniques’, P Srinivasa Pai, TN Nagabhushana and PK Ramakrishna Rao, Int. Conf. on Emerging Technologies in Intelligent System and Control, Kumraguru College of Technology, Coimbatore, January 2005

2004


32. ‘Self Organizing Feature Map to Classify Remotely Sensed Data’, TN Nagabhushana and DS Vinod, Convention on MSI and INSEM, Shimoga, Jan 2004

2003


35. ‘Towards Enhancing Recognition efficiency of Face Recognition Systems’, CN Ravi Kumar and BS Mahanand, National Conf. on Document Analysis and Recognition NCDAR, Mandya, July 2003

36. ‘Rotation Invariant Face Recognition System using Principal Component Analysis Technique’, CN Ravi Kumar and BS Mahanand, National Conf. on Open Source Software and Technologies, BBSBEC, Fatehgarh Sahib, Punjab, May 2003


2002


42. ‘A Novel Feature extractor for hand written numerical recognition system’, TN Nagabhushana, Subba Reddy and KT Veeramanju, National Conf. on Recent Trends in INFORMATION TECHNOLOGY, Karpagam Arts and Science College, Coimbatore, Aug 2002

43. ‘Incremental Neural Learning Algorithms for Classification of Spiral Structures’, TN Nagabhushana and SK Padma, National Conf. on Recent Trends in INFORMATION TECHNOLOGY, Karpagam Arts and Science College, Coimbatore, Aug 2002

44. ‘Classification of Multi-spectral Images using Symbolic Gravitational Approach’, TN Nagabhushana and DS Vinod, National Conf. on Recent Trends in INFORMATION TECHNOLOGY, Karpagam Arts and Science College, Coimbatore, Aug 2002

45. ‘Clustering Hoard type of Complex Symbolic Objects’, TN Nagabhushana and Nijagunarya, National Conf. on Recent Trends in INFORMATION TECHNOLOGY, Karpagam Arts and Science College, Coimbatore, Aug 2002
46. ‘Intelligent listing of Web publication’, TN Nagabhushana and Srinath, National Conf. on Recent Trends in INFORMATION TECHNOLOGY, Karpagam Arts and Science College, Coimbatore, Aug 2002

47. ‘Classification of Remotely Sensed data using Self Organizing Feature Map’, TN Nagabhushana and DS Vinod, Int. Conf. on Remote Sensing GIS/GPS, Hyderabad, Feb 2002


2001


2000


1998

57. ‘Application of Artificial Neural Networks for Non-Destructive Evaluation in Machining’, P Srinivasa Pai, TN Nagabhushana and PK Ramakrishna Rao, National Seminar on Non-Destructive Evaluation, NDE-98, Trivandrum, India

Research projects

1. Dr HARISH B S

2006-2008: Executed AICTE (All India Council for Technical Education) sponsored research project under RPS-B scheme (Research Promotion Scheme). Project was supported by Indian Government under Research Promotion Scheme. Project Funds: 3.10 Lakhs (In Rupees) Project Title: Classification of text documents

2. B S MAHANANDA

Research Grant, Development of efficient tool for Accurate Digital Image Registration, Research promotion Scheme (RPS), All India Council for Technical Education, New Delhi, 2007-2009, Rs. 5.75 lakhs.
Student bodies like CSI, IEEE

Professional Society Activities:

The IEEE-SJCE conducts fest Cyberia – A National Level technical fest during the even semester.

The CSI conducts it’s annual technical fest, Technologix during the even semester.

Some of the activities include-

- Encouraging industry institute interactions through various presentations.
- Acquainting the students with the latest in the industry by organizing courses and workshops for students about topics related to the field of information Technology.
- Conducting inframural technical events.