

## B.Tech.. INFORMATION TECHNOLOGY

The department was started in the year 1998 with an intake of 40 students in the B. Tech program and over the years, the intake has been increased steadily and presently the intake is 120 students. The ME program on Software Engineering was commenced in the year 2006 with an intake of 18 students. Subsequently, in 2011, the department was recognized as a Research centre by the Anna University. So far, 8 research scholars have obtained Ph.D. degree and many more scholars are pursuing their research in this Centre. A large number of papers have been published in the

international journals by the department faculty, PG students and research scholars. Apart from the academic program, students are motivated to participate in co-curricular and extra – curricular activities, encouraged to carry out innovative projects and take part in professional society activities. The department is actively involved in Funded Research projects in the area of Assistive technologies, Big Data Analytics and Computer Vision. The department has been recognized as the BEST department thrice.

### FACILITIES IN THE DEPARTMENT

The department houses well established Laboratories on Mobile Application Development, Database Management Systems, Programming, Big Data, Cloud and Software Engineering laboratory with more than 200 systems and latest software tools such as Microsoft Developer Network, Oracle, IBM Rational suite, Open office etc. All these laboratories are extensively used by UG, PG and Ph. D. scholars for the regular laboratory work mentioned in the curriculum and also for project work and research work. For the course delivery, the teachers make use of NPTEL lectures and other video presentations using LCDs. The Learning Management System (Moodle) is used to provide course materials, online quiz, online assignment to the students. There is also a library in the department with text and reference books for use by the faculty members and students.



### JOBS ARENA

The Information Technology degree program prepares the graduates to enter into an exciting field with a wide spectrum of career opportunities in IT and ITES. There is also a good scope for Product based companies where the students are taught in certain basic courses in the curriculum and through suitable value added programmes. With ever increasing demand for professionals in IT and ITES, IT engineers will always have large avenues for employment. To meet the needs and challenges, the department of Information Technology at REC has a firm commitment to develop skilled and motivated IT engineers with sound technical knowledge combined with leadership qualities, decision making, and design capabilities, communication skills and self-learning abilities.

### IN-PLANT TRAINING

Students also undergo in-plant training during summer and winter vacations to enhance their practical knowledge. Some of the organizations they choose are: Bharat Sanchar Nigam Ltd, Chennai; HCL Technologies; ZOHO, Chennai; Wipro Technologies, Bangalore; L&T InfoTech, Chennai; Hitachi Systems, Chennai; TANGEDCO, Chennai; Unisys Technologies, Chennai; Sansbound, Chennai, Sentinel Radiology Solutions- Chennai.

### R&D ACTIVITIES

The department has 4 Anna University recognized Supervisors and currently 13 faculty members pursuing PhD in IT research centre. The department has received the funding of rupees 1.2 crores from various funding agencies like DST, AICTE, UGC, CSI since 2014. The department has two special labs namely Assistive Technology Lab and Big Data Analytics Lab. Some of the projects carried out in this Lab are:

- “Interactive Teaching Aid for Autistic Children (ITAAC) “under DST – TIDE division – Amount 41.66 Lakhs. (PI – Dr. S. Poonkuzhali, Co-PI – Ms. Priya Vijay & Ms. D. Sorna Shanthi)
- “A Visualization Framework to Enhance the Learning of Hearing Impaired Children” under DST-TIDE division – Funding received 28.56 lakhs. ( PI – Dr. R.Kumar, Co-PI – Dr. S. Poonkuzhali)
- “Efficient Prediction and Monitoring Tool for Diabetes Patients using Data Mining and Smart Phone System” under AICTE – Research Proposal Scheme- Amount 4.76 Lakhs. ( PI – Dr. S. Poonkuzhali)
- “Efficient Classifier for Detecting Spam in Social networks through Feature Relevance Analysis” under CSI – Minor grant – Amount 0.30 Lakh. ( PI – Dr. S. Poonkuzhali)

Dr. S. Poonkuzhali received 6 Lakhs for organizing 10 days training programme on Big Data Analytics from DST- BDI.

Dr. S. Poonkuzhali received AICTE Seminar grant of Rs.1 lakh for organizing two days seminar on “Internet of Things Solving Global Issues- Climate , Education, Poverty & Terrorism”.

### SCI & SCOPUS INDEXED JOURNAL PUBLICATIONS

- M.Kathiravan, Dr. N.Bhalaji, “Mining Frequent And Infrequent Aspect Extraction For Sentiment Classification Using Online Reviews”, Journal of Computational and Theoretical Nanoscience (CTN), 2017, Vol. 14, pp: 1339-1349. ( Annexure-I)
- Vijayaraj. A, Suresh R. M., and Poonkuzhali. S , “Node discovery with development of routing tree in wireless networks”, Cluster Computing-Springer,Oct-2017, pp: 1-11. (Annexure –I, IF :2.040)
- M. Mehfooza, V. Pattabiraman, “An assessment on domain ontology-based information extraction techniques”, International Journal of Services Technology and Management, Nov-2017, Vol. 23, No. 4, pp:299-312.

