

COMPUTER SCIENCE & ENGINEERING

VISION

To promote highly ethical and innovative computer professionals through excellence in teaching, training and research.

MISSION

To produce globally competent professionals, motivated to learn the emerging technologies and to be innovative in solving real world problems.

To promote research activities amongst the students and the members of faculty that could benefit the society.

B.E. COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering was started in the year 1997 with an intake of 60 students. Student intake has increased gradually from 60 to 300 between 1997 and 2015. The Department had started Post Graduate (ME. CSE) programme in the year 2004 with an intake of 18 students. The Department has also been accredited by National Board of Accreditation (NBA) and Re-Accredited in 2014. The Department has been recognized for permanent Affiliation and as a Research Centre by Anna University in 2006, through which the Department offers high quality research programs at Doctoral level. Taking into consideration the latest developments in the discipline, the course content delivery is

carefully devised and updated every year through Faculty Preparation Programme. The Department arranges periodic guest lectures, and field visits to strengthen the teaching of the subjects and to expose the students to the actual work situations. The faculty members participate in the refresher and training courses to update their knowledge and teaching techniques. The faculty by being active members of professional bodies like CSI, IEEE, IET, ISTE etc., update their knowledge through workshops, seminars and symposia organized under the aegis of professional bodies. This has strengthened both the teaching and research activities of the Department.

M.E. COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering started its Postgraduate Program in Computer Science and Engineering in the year 2004. The program is designed to enhance the skills in depth and breadth from their undergraduate studies. It mainly focuses on strong foundational concepts and also advanced techniques and tools in order to build solutions or systems of varying complexity. The course helps to design software engineering principles and practices for developing quality software for scientific and business applications. The students are guided with emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.

M.S. (By Research) and Ph.D. Programmes

The Department of Computer Science and Engineering at Rajalakshmi Engineering College has been recognized as one of the approved research centres of Anna University, Chennai. Research scholars can register for M.S. (By Research) and Ph.D. programmes. There is a provision to pursue research under both full time and part time modes and faculty members working in any one of the colleges affiliated to the University are normally eligible under the part time mode. At present there are four recognized supervisors and 18 research scholars are pursuing their Ph.D. and M.S. programmes in the department. The areas in which the scholars are working now include Cloud Computing, Machine Learning, Data Mining, Networks, Web Services, Peer – Peer Networking, Big Data Analytics, High Performance Computing and so on.

STUDENTS' ACHIEVEMENTS

01. Chahat Agarwal, Tharun, Vicknesh, Yaseen, Kaviarasu and Janar Priyanka of Third year won first place and got cash award of Rs. One lakh for Smart India Hackathon 2017 under ISRO conducted by AICTE
02. Bharadwaj.S, Final year, CSE has been awarded as Highest Committed Student Branch Activist award by Computer Society of India at CSI National Convention, Coimbatore on 25-Jan-2017.
03. Aasish V.Anand, Final year, CSE won First place in Cyber Security Hackathon conducted by the US Consulate and LLF in association with VIT.
04. Aasish V.Anand and Om Prakash, Final year, CSE won First place in CII-Connect Hackathon for Smart Traffic Signals project.
05. Aasish V.Anand and Omprakash, Final year, CSE won ISSRD Best Project in State level category by International Society for Scientific Research and development
06. Aasish V.Anand and Om Prakash, Final year, CSE received Dr. APJ Abdul Kalam Young Achiever Award by World Youth Federation for his project on Smart Signals.
07. Om Prakash, Final year, CSE won Third place at Infosys Hackathon for Automated Parking System and was nominated for Worldskills India 2017.
08. Bharatwaaj.S, Final year, CSE was awarded TCS best student award 2017.
09. Chahat Agarwal, Gajapathi and Aswin Padmanabhan, Third Year, CSE received Dr. APJ Abdul Kalam Young Achiever Award by World Youth Federation for Air Pollution control system project.
10. Chahat Agarwal and Vignesh Selvamani, Third Year, CSE got First place in Best'16 State Level Quiz Competition conducted by Bharat Electronics Limited.
11. Koushik Raghavan, Sudhegan and Hemaant, Second Year, CSE won first place in Kaizen Robotics competition conducted by Lema Labs.
12. R.Pavithra of Final CSE won the Badminton Tournament conducted by Singapore Badminton Association.
13. Koushik Rahavan, Jayaarun and Hemaant.C of Second Year won consolation prize in IOT Makethon conducted by VIT University.
14. Raghuveer Mahesh, and A.Rahul of Second CSE won third place in IEEE Regional level ICT quiz competition.
15. Yatheendra Praveen K M and Sidharth of Third Year got Second place and a cash award of Rs. 50,000 for project competition conducted by Bannari Amman Institute of Technology.
16. Meenatchi KV and Poornima . T of third year won IoT Innovation Challenge 2017 conducted by Sairam Institute of Technology
17. C.R.Subramaniam and Varun Dwarkani of second year won First Place in technical Quiz conducted by Agni college of Technology

EVENTS & CONFERENCES

| SL.NO | DATE | TOPIC | RESOURCE PERSON NAME | ORGANIZATION |
|-------|----------|--|---|---|
| 1 | 08/02/17 | Foundation Program RDBMS - Conversion of ER Diagram | Mr. Roy Arnold | Infosys Ltd |
| 2 | 08/03/17 | Normalization | Mr. Roy Arnold | Infosys Ltd |
| 3 | 07/05/17 | Data Protection & Management | Mr. Abhijit Sreenivas | Dell EMC |
| 4 | 06/06/17 | Video Recording Tools | Mr Roy Arnold | Infosys Ltd |
| 5 | 14/06/17 | Eclipse with IDE plugins | Mr. Roy Arnold | Infosys Ltd |
| 6 | 15/06/17 | Developing An Entrepreneurial Mindset Through Integrated E Learning | Dr. Ron Harichandran | University of New Haven, USA. |
| 7 | 17/06/17 | Transforming Your IT MOOC | Mr. Abhijit.Sreenivas | Dell EMC |
| 8 | 13/07/17 | Democratize your data | Mr. Robert Schillings | Adobe India |
| 9 | 15/07/17 | Best practices for OBE Implementation | Dr.B.Kanmani | BMS College of Engineering, Bangalore. |
| 10 | 20/07/17 | AWS Mobile Hub to build, develop & test compelling cloud-enabled apps | Mr. Olivier Klein | Amazon Web Services |
| 11 | 20/07/17 | Understand how Amazon Kinesis Streams | Mr. Olivier Klein | Amazon Web Services |
| 12 | 24/07/17 | Amazon Cloud Security | Mr. Santhosh Rajeev | Amazon Internet Services |
| 13 | 26/07/17 | Predictive Analysis | Mr. Nagarajan Karuppiah | TCS |
| 14 | 08/08/17 | Python Database Integration | Ms. Kalpana | Infosys Ltd |
| 15 | 23/08/17 | Ransomware revisited is it really the worst type of malware? | Mr. Mehul Thakkar | Sophos India Ltd |
| 16 | 24/08/17 | Modernize Your Data Center With The New Standard in Hyper-Converged | Mr. Rajesh Ramnani | DELL EMC |
| 17 | 29/08/17 | OOP using Advanced Python | Ms. K.N. Vani | Infosys |
| 18 | 30/08/17 | Data Protection, Security & Recovery against cyber-attacks | Mr. Tajinder Channi Jitendra Shrivastava | Hitachi Data Systems |
| 19 | 01/09/17 | Empowering the Digital Workplace by driving co-creation by balancing people, technology and partners | Mr. Tajinder Channi | Hitachi Data Systems |
| 20 | 11/09/17 | IoT – Tools and Technologies to build the IoT Stack | Dr. Christian Dornacher | Storage & Analytics Solutions EMEA, Hitachi Data Systems |
| 21 | 17/09/17 | Blender | Dr. Sameer S Sahasrabudhe | IIT Bombay |

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|----|----------|--|--|---|
| 22 | 20/09/17 | Spatial Data Analysis for Disease Prevalence and Prediction | Dr. Vasna Joshua M.Sc., Ph.D. | National Institute of Epidemiology |
| 23 | 21/09/17 | Transforming Healthcare with Analytics - A case study of Application in Epidemiology | Mr.Sathya Venkatraman | IBM Asia Pacific Global Technology Services, IBM India Pvt Ltd. |
| 24 | 22/09/17 | Pattern on Effectiveness of Treatment for Clinical Trial Data-A Decision Tree Approach | Dr.Ponnuraja | National Institute of Tuberculosis Research, Chennai. |
| 25 | 05/10/17 | Modernize Your Data Center With The New Standard in Hyper-Converged | Mr. Rajesh Ramani | Converged Infrastructure Solutions-, Dell EMC |
| 26 | 07/10/17 | Challenges in Data Privacy | Mr.Craig Scoon | Risk Advisory Service, Deloitte |
| 27 | 08/10/17 | Angular JS Single Page Application Development | Ms. Kalpana | Infosys Ltd |
| 28 | 24/10/17 | Information Management in the Context of IoT | Mr. Jan Konjack & Christian Dornacher | Hitachi Vantara |
| 29 | 25/10/17 | Using Devlops to get from Problems to Solutions | Mr. Jeff Kirkpatrick | Hitachi solutions |
| 30 | 26/10/17 | ScaleIO for VMware Environments: How & Why | Mr. Jason Brown | Dell EMC |
| 31 | 31/10/17 | Bring Intelligence to the Edge with Intels Neural Compute Stick | Mr. Ashwin Vijayakumar | Intel |
| 32 | 14/12/17 | IDEAL-PiY : Integrated Development Environment for Assessment and Learning Python Using Raspberry PI | Prof.R.Anandha Murugan & Dr. R. Alageswaran | K.L.N. College of Engineering, Madurai |
| 33 | 19/12/17 | Cyber Hygiene and Opportunities in Cyber Security | Mr. Prashant Pandey | Computer Society of India Division IV Communication |



First Prize winner in AICTE Hackathon under
ISRO Category for
Problem Category Document Tracking



First Prize winner in CII Connect 2016