

## B.E. ELECTRONICS & COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering (ECE) at REC was established in 1997. The Department has been accredited by National Board of Accreditation (NBA). The department has also been recognized as a Research Centre by Anna University, Chennai, through which the department offers high quality research programs at Doctoral level. The department has always been on a progressive path with the support of dedicated, talented, well qualified and experienced faculty members who have a strong commitment towards providing quality engineering education. The department also has trained and dedicated supporting staff in the laboratories. The laboratory facilities are being constantly upgraded to take care of the technological developments in the area of Electronics, Signal Processing, Microwave & Optical Communication, Wireless Communication, MEMS, VLSI and Embedded system design. The department has been laying more emphasis on

teaching and research activities in diversified areas there by molding the students to be skilled communicators, critical thinkers and ethical leaders. The department library houses over 500 books and it has 36 national e-journals and 154 International e-journals, which are available to all the faculty members and students. The faculty by being active members of professional bodies like IEEE, IET, IETE, ISTE etc., gain opportunities for knowledge sharing and networking. Faculty members and students are motivated to present their research work in International conferences. Every year all eligible students are being placed in various reputed companies through campus recruitment. Electronics and Communication Engineering graduates find opportunities in the terrestrial and extra terrestrial communication systems space like telephones, television, satellites, radar, remote sensing. They also find a large acceptance in consumer and entertainment electronic industries.

### IN-PLANT TRAINING

The students of ECE undergo In-Plant training during summer and winter vacations in various companies like Uniq Technologies (Chennai), HCL Technologies (Chennai), Three sixty one Degree Minds Consulting Pvt. Ltd., Nokia, All India Radio, Srinar Electronics Pvt. Ltd, Flextronics, Excel Automation Solutions, Bharti Airtel Limited., Bharat Sevak Samaj, Prasad Bharati, Allison Transmission, Chennai Port Trust, SNIC Chennai, Toyota Motors Limited, TN Electricity Board, Chennai Metro Rail Corporation, ICE etc. The duration of in-plant training ranges from two to seven days. The students are able to gain exposure about industry and also get an opportunity to bridge theory with application in real life. Students are encouraged to attend this inplant training in the company of their choice so as to help them gain an exposure in the industry.

### MoUs WITH INDUSTRY

REC has signed MoUs with Texas Instruments and BSNL.

### INDUSTRY INSTITUTE INTERACTION CELL

- Dr. R. Sundar, Head CSRC and Dr. L. Sujatha, Head, CEMM visited M/s Power Gear Ltd, MEPZ, Chennai on 6th July 2016 and interacted with Dr. K.Subramanian, CEO & Head, R&D  
(As a result of which Centre for Sponsored Research & Consultancy (CSRC) of our college and M/s Power Gear Ltd, MEPZ, Chennai signed a two way Non-Disclosure Agreement on 14th July 2016 for future research collaborations.)
- Dr. K.Subramanian, CEO & Head, R&D, M/s Power Gear Ltd, MEPZ, Chennai visited our campus on 14th July 2016 and delivered a keynote address on "Systems thinking in MEMS", during the inaugural session of CEMM's Summer Training Program.
- Mr. T.Jayanand, Director, "Tesla Minds" has interacted with Second and third year ECE students during 2 days workshop on "IoT Based Amplifiers -Design Challenges and Opportunities", 23 -24 August 2016.
- Mr. S. Satheesh Kumar, Assistant Professor has attended IESA SUMMIT held at Bengaluru during 21st and 22nd of February'2016.
- Mr. T.Manikandan, Associate Professor and Mrs.V.Radhamani, Assistant Professor (SG) have attended IESA SUMMIT held at Bengaluru during 3rd and 4th of February'2016.
- Dr. B. Priya & Ms.S.Anitha have attended five days Sabbatical training from 09/06/2017 to 16/06/2017 in Schwing Stetter Company, Irungattukottai.

- Ms.Devi .B & Mr.J.Karthi have attended five days " Project based RF system design training course"from 12/06/2017 to 16/06/2017 in TESLA MINDS , Chennai about Antenna design using ADS and HFSS Software.
- Ms.Rajalaxmi.S , Mr.R.Gomathi & Mr.R.Yuvaraj have attended Seven days training from 12/06/2017 to 16/06/2017 at Advanced Training Institute, MSDE, Government of India about "8051 Programming & Applications".
- Mr.Easwaran , Mr.R.Bhaskar & Mr.S.Veeraragavan have attended Seven days training from 12/06/2017 to 16/06/2017 at Advanced Training Institute, MSDE, Government of India about "Computer Hardware Maintenance & Networking".
- Shri.B.V.H.S.Narayana moorthy ,Associate Director, DRDO, RCI, Hyderabad, delivered guest lecturers in Indigenous Missile Technology development on 17.8.2016 and interacted with faculty members from departments of ECE, IT, CSE and CIVIL.



### PRIZES / AWARDS AND RECOGNITION

- **Dr. R. Sundar**, Professor has been appointed as Syllabus Sub-committee member for framing curricula and syllabi for PG Degree Program(R-2017), M.E. Applied Electronics, M.E. VLSI Design and M.E. Digital Signal Processing.
- **Dr. M. Palanivelan**, Professor & Head has been elevated to the grade of Senior Member at IEEE for significant contribution in professional society activities.
- **Dr. T. Manikandan**, Associate Professor, has become an editorial board member in Integrative Cancer Biology & Research journal.
- **Dr. S. Chitra**, Associate Professor has become a reviewer in PLOS ONE, IETE Journal of Research, IEEE Access.

#### FACULTY WHO HAVE BEEN AWARDED PH.D.

- **Dr. T. Manikandan** in January 2017
- **Dr. S. Chitra** in February 2017
- **Dr. B. Priya** in March 2017

#### FACULTY WHO HAVE RECEIVED BEST FACULTY AWARD FROM RAJALAKSHMI ENGINEERING COLLEGE

- **Dr. B. Priya**, Associate Professor
- **Mr. V. S. Selvakumar**, Associate Professor
- **Mr. K. Senthil Kumar**, Associate Professor
- **Mrs. V. Radhamani**, Assistant Professor(SG)
- **Mrs. P. PearlinaSheeba**, Assistant Professor(SS)
- **Mr. M. Sathish**, Assistant Professor(SS)
- **Mr. Satheesh kumar,S**, Assistant Professor(SS)
- **Ms. Sheena Christabel Pravin**, Assistant Professor (SS) obtained 93.02 percentile in GATE 2017 in the Electronics and Communication Stream. Completed Machine Learning Course from Stanford University with a grade of 97.2%.

#### FACULTY WHO HAVE ACHIEVED TOP RANKS IN NPTEL COURSES

- **Mrs. D. Indumathy**, Assistant Professor (SG) has obtained NPTEL Elite + Gold category and is Fourth topper across the nation in the course titled 'Digital Image Processing'.
- **Dr. B. Priya**, Associate Professor has obtained NPTEL top five score across the nation in the course titled "Wireless ad-hoc and sensor networks".
- **Mrs. V. Radhamani**, Assistant Professor (SG) has obtained NPTEL top five score, Elite category in the course titled "Wireless ad-hoc and sensor networks".
- **Dr. B. Priya**, Associate Professor has secured 2nd rank (National Level) in the NPTEL online course titled "Introduction to Internet of Things"
- **Mrs. V. Radhamani**, Assistant Professor(SG) has secured 2nd rank (National Level) in the NPTEL online course titled "Introduction to Internet of Things"
- **Ms. C. Jamuna Devi**, Assistant Professor has secured 2nd rank (National Level) in the NPTEL online course titled "Introduction to Internet of Things"
- **Ms. Sheena Christabel Pravin**, Assistant Professor has obtained ELITE + GOLD and secured 1st Rank (National Level) in online course titled "Digital Signal Processing"
- **Ms. Dona Joice** has obtained ELITE category and is placed under top 5% category in the online course titled "BASIC ELECTRONICS"