

## **Rajalakshmi Institute of Technology, Chennai**

### **IEEE SB STB05131 Activities in the year 2016**

#### **Technical Lecture on “Electronics for Defence”**

IEEE SB organized a Technical Lecture on “Electronics for Defence” by Mr. R.JAYAKUMAR, (Rtd.) Scientist, DRDO, Chennai on 2<sup>nd</sup> September, 2016. In his talk, he gave a brief introduction of the new technologies in Electronics that may be used in defence and the application of these defence systems in the borders of our country. The coverage of the lecture included insights on sensors incorporation with real time system including surveillance, target acquisition, pre and post detector processing, counter measures and protective measures, low RCS target detection and measurement of mmW properties of dielectric materials, which form the basis of electronics in Defence. 145 students benefitted from the talk.



#### **Report on Industrial visit to BSNL-Harbour Exchange, Chennai**

IEEE SB and ECE dept. organized a one-day Industrial Visit on 14th September 2016 to BSNL, Harbour Exchange Branch, Chennai. 145 Students went for the visit where they were educated and gained knowledge on Networking, Telecom Communication and the latest trends in Optical fibre Communication.



## Guest Lecture on Industrial Automation

ECE dept. with IEEE SB organized a Guest Lecture on **Industrial Automation** on 20th September 2016. 145 students participated in the workshop conducted by Mr. S.Arun Kumar, Application Engineer, Technocrat Automation, Chennai. The event was coordinated by Dr. R.Rajeswari and supported by student coordinator, Ms. N.Bhuvaneshwari.



## Short Term Training Program on “RF Circuits & Antenna Design”

IEEE SB organized a Short Term Training Program on “RF Circuits & Antenna Design” from 22<sup>nd</sup> -24<sup>th</sup> Dec 2016. 15 student members attended the training and benefited. The various sessions of the programme included:

- Introduction to antenna and antenna parameters by Mrs.S.Kalaivani, Assistant Professor, ECE
- Hands-on training in the HFSS software platform with a basic design of rectangular microstrip patch antenna and Magic Tee by Mr. Franklin Telfer, Assistant Professor, ECE
- Simulated hands-on training in design and analysis of basic rectangular patch antenna and advanced stacked planar antenna design using Advanced Design Systems (ADS) EM simulation software tool by Mr. T. Jayanandan, Technical Director, Tesla Minds Technology, Chennai. At the end of all sessions, all participants were given their valuable feedback about all three days of technical sessions by antenna experts.



### Short Term Training Program on “Basics of NS2”

IEEE SB organized a Short Term Training Program on “Basics of NS2” from 22<sup>nd</sup> -24<sup>th</sup> Dec 2016. 15 student members attended the training and benefited. The various sessions of the programme included:

- Introduction to Basics of NS2 by Mr. Rahul Krishnan, Assist. Professor, ECE on 22<sup>nd</sup> Dec 2016
- Creation of the network topology and TCP/UDP connections using Tcl script and adding a new transport layer protocol to NS2 by Ms. V. Chinnammal, Assist. Prof. (SS), ECE on 23<sup>rd</sup> Dec 2016
- Installation of NS2 and related tools by Mr. R. Ganesh Babu, Assistant Prof., ECE on 24<sup>th</sup> Dec 2016

This programme was specifically organised for the benefit of UG third year students.



### Faculty Development Training Programme on “Antenna and Wave Propagation”

IEEE SB and Dept. of ECE organized Faculty Development Training Programme on “Antenna and Wave Propagation” during 21st – 28th Dec 2016.

25 participants from various Engineering colleges attended the programme. Resource persons included:

- Mr. M. Murali Krishna, General Manager, (S&M) CFA, BSNL Chennai Telephones.
- Shri R. Jayakumar, Scientist ‘G’ (retd.), DRDO, Ministry of Defence
- Prof. Dr. V. Prithiviraj, Professor and Dean, ECE, Rajalakshmi Institute of Technology, Chennai
- M. Sreenivasan, Scientist C, EMC Division, SAMEER-Center for Electromagnetics, Chennai
- Dr. M. Gulam Nabi Alsath, Associate Professor, Dept. of Electronics and Communication Engg. SSN College of Engineering
- Dr. Jothi Lakshmi, Professor, ECE, Sri Venkateswara College of Engineering
- Mr. T. Jayanandan, Director, Tesla Minds technology, Chennai
- Dr. G. Nirmala Priya, Professor, Mrs. S. Kalaivani, Mr. L. Franklin Telfer, Asst. Prof., Mrs. C. Malarvizhi, Asst. Prof. (SS), Mrs. V. Chinnammal, Asst. Prof. (SS), ECE, Rajalakshmi Institute of Technology, Chennai

The event was coordinated by Prof. Dr. V. Prithiviraj, Dean and Dr. R. Rajeswari, Professor, ECE, Rajalakshmi Institute of Technology, Chennai. Dr. S. Selvaraju, Principal presided over the function and Dr. G. R. Suresh, Head, ECE also graced the event.

