A Report on Alumni Interaction Session on
"Research Scope in Communication and Signal Processing"
Organised by
Department of Electronics and Communication Engineering
05-02-2019

Organized in association with: **MITSAWA**

Submitted by: **Dr. B Prasanth Kumar, Senior Assistant Professor, Department of Electronics and Communication Engineering, MITS.**

Resource Person: **Mr. J. Padmaj, R&D Product Development Engineer, T E Connectivity.**

Faculty attended:
Dr Sremmant Basu, **Dean Administration & International Relations**;
Dr.S. Rajasekaran, **HOD ECE**;
Dr. P. Ramanathan, **Vice Principal (Academics);**
Mrs. U. Vijaya Lakshmi, **Student Counsellor & Coordinator of International Relations Office**;
Dr P Ramesh Reddy, **MITS Alumni Relation Officer**;
Dr B Prasanth Kumar, **ECE Dept. Alumni Coordinator**;
ECE dept. Faculty:

Students Attended: B. Tech ECE (61 Students).

Venue: ECE Seminar Hall (South Block)

The Interaction was started by 2 PM, and the guest speaker **Mr. J. Padmaj** was introduced to the students by Dept. Alumni coordinator.

Dr Sremmant Basu, Dean Administration & International Relations addressed the students by emphasising the importance of internship in the engineering.

Mrs. U. Vijaya Lakshmi, Student Counsellor & Coordinator of International Relations Office, interacted with the alumni students and encouraged the students on campus to interact with the alumni and clear all the doubts regarding job and higher education opportunities.

The guest speaker was introduced to the audience by **Dr S Rajasekaran**, HOD ECE.

The Guest Speaker focused the presentation on their journey during internship and Master's Program.

The alumni **Mr. J. Padmaj** has taken the opportunity to create an awareness among Electronics and Communication Engineering students on the research and implementation of Communication and Signal Processing in the broad areas of Electronics and Communication

Engineering and advised all the students who are interested in pursuing internship or job to take the opportunity and get benefited.

1. To motivate the students and help them to take a right step towards their career in the communications and signal processing area were discussed.
2. The guest speaker gave valuable speech of Communications and Signal Processing area focuses on issues regarding the efficient processing and transmission of data.
3. The guest speaker gave some examples of sources of data include sound, images, and sensor output signals.
4. He explained that, signal processing algorithms deal with efficiently transforming the signals resulting from these sources into digital data streams and the communications research focuses on efficiently transmitting streams of data from one location to another.
5. Also he said that, one important example of communications research is the investigation of techniques that transmit ever increasing data rates with multiple users while consuming less radio frequency spectrum and transmitted signal power and he has explaining the experience of work.
6. Further, there was an interaction session in which the students actively participated and asked her questions, to which she replied and helped them to select a right path towards their future.
7. Also, he briefly explained various possibilities in the higher studies in "Communication and Signal Processing" area and the work which are presently used in programming.
8. As a part of a suggestion he advised the students to participate actively in projects and fellowships.
9. The interaction between the guest speakers and students has continued and students on campus have cleared many doubts during the interaction session.

The session finished by conveying vote of thanks by Dr. B Prasanth Kumar, ECE dept. Alumni Coordinator.