

# Extension Lectures Organized

Sl.	Date	Topic	Name & Address of the speaker
1	13 <sup>th</sup> August, 2015	All India Essay Writing Event – 2015, The Man who has no Inner life is a slave to his surroundings	Dr Shankar Hegde, Urgent Inc
2	13 <sup>th</sup> August, 2015	Overseas Education & Preparation	Ms. Mayuri, Senior Counselor, N&N Chopra Consultants Pvt. Ltd, Bangalore
3	13 <sup>th</sup> August, 2015	Career Opportunities for Telecommunication Engineers	Mr. Vivek Bhat(94BL073), APPZUI
4	20 <sup>th</sup> August, 2015	Telecom Research	Mr, Anand M, Research Engineer- Packet Enhancement Group at C- DOT
5	25 <sup>th</sup> August, 2015	Basics of EM theory, Design of Horn Antenna with Parabolic Reflector and LNA Design”	Ms. Avantika Singh Mr.KalaiArasu RF Application Engineers Entuple Technologies
6	6 <sup>th</sup> September, 2015	Meditation for Work-Life Balance	Mr Niraj Srivatsava CEO, Sarathi Solutions, Bangalore
7	14 <sup>th</sup> September, 2015	Recent Trends on Communication Engineering	Mr Abhay Samant Section Manager, RF Product Marketing National Instruments, Austin, Texas
11	6 <sup>th</sup> October, 2015	Internet of Things (IoT)	Mr Nandakumar K Head-Technology Development & Delivery IoT Business,Wipro Ltd.
12	17 <sup>th</sup> October, 2015	Industry Perspective on VLSI Design Flow	Mr. Harish Dixit, Senior Design Engineer (RTL), NXP Semiconductors R&D Center and Ms. Amoolya M. Kalgal, DFT Design Engineer, Freescale Semiconductors
13	28 <sup>th</sup> December, 2015	Internet of Things (IoT)	Dr.Ranga Rao Venkatesh Prasad , Delft University of Technology, Netherlands
14	20 <sup>th</sup> February, 2016	Career Guidance and Guidance on Setting off as an Entrepreneur	Suyash Bhatt (1BM08TE060), Design Engineer, Tektronix
15	20 <sup>th</sup> February,	DSP Applied to Audio and Speech	Nitin Jhanwar, DSP Expert, Tektronix

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## **All India Essay Writing Event – 2015, The Man who has no Inner life is a slave to his surroundings**

by,  
Dr Shankar Hegde, Urgent Inc



### **Statics of Participants:**

Students: 60

Faculty: 2

### **Program Brief:**

The session started on 13<sup>th</sup> August 2015, in the BSN Hall of Electrical Department, BMSCE. The topic of the essay is “The man who has no inner life is a slave to his surroundings” – Henri Frederic. Though this appears to be a very philosophical topic at the outset, the importance of understanding this topic for the current generation of human beings is all but necessary. This was the essence of Dr Hegde’s talk when he addressed a gathering of 60 students from the 3<sup>rd</sup> and 5<sup>th</sup> Semesters from the Department of Telecommunication.

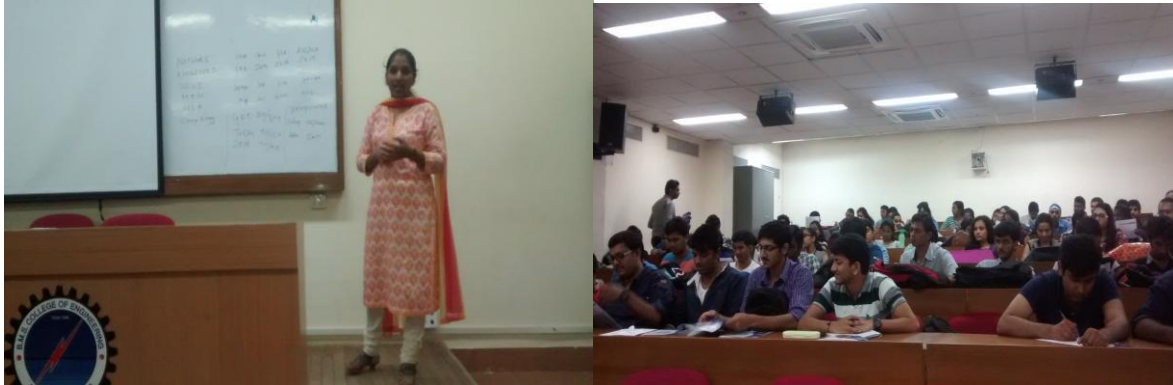
The talk was interactive and the students were told about the aspects of morality such as courage, determination, inspiration and compassion which is the need of the hour. To manifest the same virtues, the being within us has to be given an opportunity. The speaker shared some experiences and stories to help the students understand the necessity of this. Thus a connect with oneself i.e. the heart or the mind or the conscious has to be developed to be better human beings who will not be slaves to the surroundings. Thus to better connect with this thought the students were encouraged to take part in large numbers in the essay writing competition.

**Coordinators:** Dr Rajeshwari Hegde & Prof. P.S.Gowra, TE

## Overseas Education & Preparation

by,

Ms. Mayuri, Senior Counselor, N&N Chopra Consultants Pvt. Ltd, Bangalore



### Statics of Participants:

Students: 61

Faculty: 2

### Program Brief:

The session started on 13<sup>th</sup> August 2015, in the BSN Hall of Electrical Department, BMSCE The Chopras, an Institution which specializes in training students for the competitive exams like GRE, GMAT, TOEFL, IELTS etc. and also in exploration of study options in various international destinations. The representatives of the Chopras, addressed the students about the various study destinations abroad for higher studies. The need for creating an appealing curriculum vitae , the minimum scores to apply in various destinations , the facilities like stay back, Permanent residency etc. in countries like USA , Germany , UK , Singapore , Australia etc. were told to the students. The Chopras also encouraged interested students to take up the test preparation services with them.

**Coordinator:** Prof. Ambika.K, TE

# Career Opportunities for Telecommunication Engineers

by,

Mr. Vivek Bhat (94BL073), APPZUI



## Statics of Participants:

Students: 55

Faculty: 2

## Program Brief:

The session started on 13<sup>th</sup> August 2015, in the BSN Hall of Electrical Department, BMSCE. Mr. Vivek, an alumnus of the BMSCE and of the TCE Department addressed the students on Career Paths and Entrepreneurship.

The speaker, an illustrious alumnus of the Department, based on his rich experience in the industry outlined to the students the various domains in which a student from the Telecom Department can be successful. He encouraged the students to take up managerial, marketing and sales and entrepreneurial roles in the Telecom industry, thus supplementing their technical knowledge also. This will lead to all round skill development (not only technical) and thus enable the student to move across to different domains. The speaker mentioned that the social responsibility for engineers was also one of the key criteria.

**Coordinator:** Dr B. Kanmani, HOD, TE

# Telecom Research

by

Mr. Anand M, Research Engineer-Packet Enhancement Group at C-DOT



## Participants Statistics:

Students: 74

Faculty: 5

## Program Brief:

With the aim of keeping oneself abreast of the changing technology, expert talks in the related domains are organized. "Telecom Research" was one such expert talk organized by the Department of Telecommunication Engineering for the students of V and VII semester on 20<sup>th</sup> August 2015 under the sponsorship of TEQIP-II.

The session was interesting as Mr, Anand M, Research Engineer-Packet Enhancement Group at C-DOT (Centre for Development of Telematics) spoke about the vibrant topics of the telecommunication industry – 5G research. He briefed that, the role of C-DOT in the development of this industry is through the contribution to the standards from India. He also introduced the TSDSI (Telecommunication Standard Development Society of India) and their role in setting up of the standards. He spoke about the passion towards the research and guided the students on how to read and write a research paper. He highlighted the challenges offered by the 5G and motivated the students to carry out the projects related to Telecommunication.

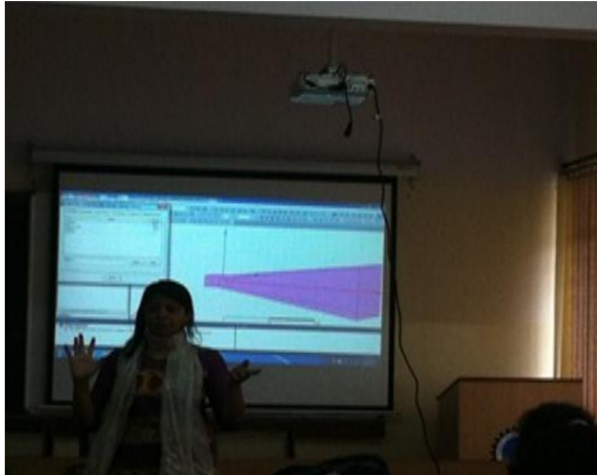
**Coordinators:** Prof. K Pushpavathi, TE



# Basics of EM theory, Design of Horn Antenna with Parabolic Reflector and LNA Design

by

Ms.Avantika Singh and Mr.KaviArasu,  
Application Engineers, Entuple Technologies Ltd.,  
Bangalore



## Participants Statistics:

Students: 50

Faculty: 2

## Program Brief:

The Talk cum Demo session on HFSS was organized by Department of Telecommunication Engineering, BMS College of Engineering College in association with Entuple Technologies Pvt. Ltd, Bangalore, as part of the VII semester course MICROWAVE AND RADAR. The session started on 25<sup>th</sup> August 2015, in the Seminar Hall of Telecommunication Engineering department, BMSCE at 12.15pm.

The Resource persons are from Entuple Technologies-Ms. Avantika Singh and Mr.KalaiArasu –RF Application Engineers. The talk cum demo session concluded with the faculty thanking the speakers and student Sandeep summarizing the learning during the session. As a follow up, the students have agreed to do simulation using HFSS to demonstrate concepts in Microwave and RADAR in the lab. So their ability to design, formulate and conduct experiments using modern tool is enhanced.

**Coordinators:** Dr B Kanmani & Prof. T Anushalalitha , TE

# Meditation for Work-Life Balance

by

Niraj Srivatsava

CEO, Sarathi Solutions, Bangalore



## Statics of Participants:

Students: 50

Faculty: 2

## Program Brief:

The session started on 6<sup>th</sup> September 2015, in the BSN Hall of Electrical Department, BMSCE

Niraj K Srivastava is a graduate and post graduate from IIT Kanpur and has working experience of 23 years in software industry. Niraj has visited and worked in multiple countries. He has worked for TCS, IBM and Accenture at senior management positions and led multiple large customer engagements. Niraj has been part of establishing multiple software companies. Niraj has designed and managed many large systems for Fortune 100 customers. Niraj currently runs his own software product company.

Niraj Srivastava has been practicing meditation for more than 18 years with SMSF, a Non-profit organization that aims to promote stress free and balanced living using Meditation as the key tool. He has been a trainer in meditation with help of yogic transmission for more than 11 years. Niraj is avid student of different philosophies.

**Coordinator:** Dr Rajeshwari Hegde & Prof. P S Gowra, TE



# Recent Trends on Communication Engineering

by

Mr. Abhay Samant  
Section Manager, RF Product Marketing  
National Instruments, Austin, Texas



## Statics of Participants:

Students: 4

Faculty: 10

## Program Brief:

The session started on 14<sup>th</sup> September 2015, in the BSN Hall of Electrical Department, BMSCE. Session started with current wireless standards followed by introduction to RF communication. Session concluded with product information on USRP.

**Coordinator:** Dr B Kanmani & Prof. Shreenivas B, TE

# Internet of Things

by

Mr. Nandakumar K S  
Head-Technology Development & Delivery  
IoT Business,Wipro Ltd.



## Statics of Participants:

Student: 68

Faculty: 04

## Program Brief:

The session started on 6<sup>th</sup> October 2015 , in the BSN Hall of Electrical Department, BMSCE

The session started with the brief introduction about the speaker .The speaker began with asking the class about Internet of Things, and wanted to know the students' knowledge. Later he played a video which helped the students to understand IoT better.

The speaker defined IoT as “The Internet of Things (IoT) refers to the ever-growing network of physical objects that feature an IP address for internet connectivity and the communication that occurs between these objects and other Internet-enabled devices and systems”. Adding to that he also mentioned that in IoT mainly a three nodes will be present. First one being the Edge, were the data acquisition takes place. Next is the gate way where the accumulation of the data takes place and it is routed to the cloud or Internet. Then the last one user terminal where user get know the data and he can choose what he want to do or just monitor the entire system. Briefly he said that in lot '4A' are the key points Acquire, Accumulate, Analyse and Act.

**Coordinator:** Prof. Ambika K & Prof. Shreenivas B, TE

# Industry Perspective on VLSI Design Flow

by

Mr. Harish Dixit, Senior Design Engineer (RTL), NXP Semiconductors R&D Center

Ms. Amoolya M. Kalgal, DFT Design Engineer, Freescale Semiconductors R & D



## Statics of Participants:

Students: 68

Faculty: 02

## Program Brief:

An Expert lecture was conducted on 17<sup>th</sup> October 2015 titled 'Industry Perspective on VLSI Design Flow' by the Telecommunication alumnus students of 2009-2013 batch in the department of Telecommunication. Mr. Harish Dixit, Senior Design Engineer (RTL), NXP Semiconductors R&D Center and Ms. Amoolya M. Kalgal, DFT Design Engineer, Freescale Semiconductors R & D gave the expert talk on current industry trends in the VLSI design industry. Mr. Harish spoke about various concepts of digital electronics that would be used in the industry and Ms. Amoolya spoke about the various VLSI testability parameters used in the real time projects. The expert lecture was attended by 68 students and 2 faculty members of the department. The expert lecture concluded with a vote of thanks to the alumnus.

**Coordinator:** Prof. C Gururaj, TE

# Internet of Things

by

Dr.Ranga Rao Venkatesh Prasad , Delft University of Technology, Netherlands



## Statics of Participants:

Student: 06

Faculty: 12

## Program Brief:

An Expert lecture was conducted on 28<sup>th</sup> December, 2016 titled 'Internet of Things' by Dr.Ranga Rao Venkatesh Prasad , Assistant Professor, Embedded Software ,Electrical Engineering, Mathematics and Computer Science Department Delft University of Technology, The Netherlands gave the expert talk on current industry trends in IoT

**Coordinator:** Dr B Kanmani, HOD, TE

# Career Guidance and Guidance on Setting off as an Entrepreneur

by

Mr. Suyash Bhatt, Design Engineer, Tektronix



## Statics of Participants:

Student: 60

Faculty: 7

## Program Brief:

An Expert lecture was conducted on 20<sup>th</sup> February, 2016 titled 'Career Guidance and Guidance on Setting off as an Entrepreneur' by Alumni, Suyash Bhatt (1BM08TE060), Design Engineer, Tektronix, addressed the students on "Career Guidance and Guidance on Setting off as an Entrepreneur". The session provided brief information on How to approach interviews in good technology companies, Importance of graduation projects in the industry, What to expect from the industry and what the industry expects from student, Career opportunities after graduation, Leverage the platform provided by BMSCE to achieve the goals.

**Coordinator:** Dr B Kanmani, HOD & Prof Prasanna Kumar M K, TE



# DSP Applied to Audio and Speech Processing

by

Mr. Nitin Jhanwar, DSP Expert, Tektronix



## Statics of Participants:

Students: 60

Faculty: 7

## Program Brief:

An Invited Talk on “DSP Applied to Audio and Speech” was organized by Department of Telecommunication, BMSCE on February 20<sup>th</sup> 2016 (11.15 am to 12.45 pm). The talk was given by Mr. Nitin Jhanwar, DSP Expert at Tektronix. This event was part of industry-institute interaction.

The talk was around General DSP concepts with introduction to Audio and Speech processing, its application in various industries and the opportunities exposed to students in this career path. It also helped participants relate the theoretical concepts to real world usage. Outcome of the session was\_Career path guidelines in the area of audio and speech processing, Requirements in hardware development related to audio coders in the industry, Exposure to Algorithm development and its need for the industry in product development, Exposure to UG projects in the area of audio coders and Algorithm development which have industry relevance.

**Coordinator:** Dr B Kanmani, HOD & Prof. Prasanna Kumar M K, TE