

Extension Lectures Organized

SNo	Name of the Invited Scholar with full Address	Title of the Lecture Delivered	Area of Specialization	Date of Lecture
1.	Gopalan Oppiliappan, Intel	SWAYAM orientation programme and time & stress Management	Software	07.09.2016
2.	Dr Bhavani Ranganathan	Conflicts & Resolutions	Soft skills	06.02.2017
3.	Arjun Kondur, Juniper Networks, USA	Carrier Opportunitites for Telecom Engineers	Networking	09.02.2017
4.	Parthasarathi Patel	Neuroplasticity and the art of rewiring the brains	Software	11.02.2017
5.	Arjun Kondur, Juniper Networks, USA	Carrier Opportunities for Telecom Engineers	Networking	09.02.2017
6.	Dr R Kumaraswamy, SIT, Tumkur	Signal Processing: An Application Perspective	Signal Processing	23.02.2017
7.	Mr Sravana Kumar, senior subject matter expert , GATEFORUM.	Gateway to GATE	GATE coaching	17.03.2017
8.	Mr Sandeep, Founder, etiq Technologies	Openlab-embedded Platform	Embedded Systems	03.04.2017
9.	Poornima Hegde, Trainer , Heartfulness Institute	Meditation for Human Evolution	Value Education	19.04.2017
10	Lakshmi Narasimha I N (Technical Lead, SchemaZen Technologies	Hardware board design & Product design	VLSI	29.05.2017

SWAYAM Orientation Programme and Time & Stress Management

B Gopalan, Senior Software Engineering Manager

Intel, India



Statics of Participants:

Students: 90

Faculty: 4

The proposal to start the SWAYAM (Strengthen the Will and Ability of the Youth to Aim at Mastering themselves) forum was submitted in the month of August 2015 and the same was approved by the Principal in October 2015 and the forum was inaugurated by Dr Mohandas Hegde, Director, CREST, Bangalore on 31st October 2015. The forum was officially added as one of the student club of Illuminate in the month of August 2016 with the effort of student coordinators, Ajith G (5th Sem TCE) and Diwakar (3rd Sem Mechanical). With the permission from our Principal, the orientation programme was fixed on 7th September 2016 at 3pm. The online registration for the forum was started on 5th September and 101 students registered for the forum.

As the name itself says, the aim of the forum is to help the students for their overall development. Mr Gopalan, Senior Software Engineering Manager, Intel was invited to talk on the day of orientation.

The orientation programme started at 3pm in the BSN hall with a brief introduction of the SWAYAM by Harshini (5th sem TCE). She also briefed on the workshop organized at CREST on January 2016 at CREST.

Sangeetha of EE dept rendered a invocation song and the principal inaugurated the programme by lighting the lamp. He also distributed the certificate of participation for the top two essays of the institution who participated in the All India Essay Writing Event 2015 organized by United Nations and Shri Ramachandra Mission.

The programme continued with a motivational talk by our beloved principal Dr K Mallikharjuna Babu. Later the stage was handed over to Mr Gopalan. He touched upon three topics, Corporate Life, Stress management and time management which are very much required for the students.

The following points were covered in his talk

- Comparison of campus life and corporate life- The students need not write the exams when they enter into corporate life but there will be performance reviews on a regular basis.
- They have to work under the entity called 'Boss'
- Results are more valued than anything else
- Beware of politics
- Keep asking 'What next'? There is no end for the work done in the corporate.
- Explore, explore and explore to find your limits
- Stress Management
- Under this session, following points were discussed. What is stress?

Factors triggering stress

- Fear
- Time
- Peers/Others
- Self doubts

External Factors

- The speaker made the students to come out with the definition of stress and the factors triggering the stress and later he expressed his view on the same.
- The last topic for the day was on time management and following points were discussed.
- Single Task Focus- which will help them to complete a task within prescribed time

Persevere with the first 5 min

Life = Time

Time used effectively = Life lived effectively

What uses your time and energy each week?

Time Management = Energy Levels management.

Coordinator: Dr Rajeshwari Hegde

Emerging Trends in VLSI

by,

Mr. Mukesh Bhartiya, INTEL, Mr. Manoj Sundareswaran, BlackPepper Technologies Pvt.Ltd. Mr. Vivek Bhat, appZui Technologies Private Limited



Statics of Participants:

Students: 52

Faculty: 3

Program Brief:

An expert lecture on 'Emerging Trends in VLSI' was conducted by three distinguished alumni of Telecommunication department i.e. Mr. Mukesh Bhartiya, Engineering Manager – INTEL, Mr. Manoj Sundareswaran, Executive Vice-president – BlackPepper Technologies Pvt.Ltd. and Mr. Vivek Bhat, Founder Director – appZui Technologies Private Limited on 25th November 2016.

Coordinators: Dr B Kanmani and C Gururaj

Conflicts & Resolutions

Dr Bhavani Ranganathan, English Language Consultant



Statics of Participants:

Faculty and staff:15

Program Brief:

The programme started with a brief introduction of Dr Bhavani Ranganathan by the student coordinator, Mr Ajith of 6th semester TE.

Dr Bhavani gave an overview of the conflicts that arise in day to day life, why they occur and how to resolve the conflicts with examples from real life situations. She also spoke about She concluded the session by posing the following questions to the audience

- Why should you resolve a conflict?
- When should you resolve a conflict?
- How should you resolve a conflict?
- What does one refer to by the word 'self' ?
- What qualities would you associate with the selfphysical, intellectual?
- Did you acquire them or do you think you inherited them (some/all) ?
- Can you categorize them as external and internal ?

Coordinator: Dr Rajeshwari Hegde

Neuroplasticity and the art of rewiring the brains

Mr Parthasarathi Patel- Technical Lead, Individual Contributor, Oracle India



Statics of Participants: Students:82 Faculty:02

The human brain has 100 billion neurons, each neuron connected to 10,000 other neurons. Sitting on our shoulder is the most complicated object in the known universe. Development of the human brain is influenced by many factors including relationships, experience and environment.

On 11 Feb 2017, the SWAYAM forum of our college organized a seminar on Neuroplasticity and the art of brain rewiring by Mr. Parthasarthy Patel, Tech lead, Oracle. The event was held in BSN hall and was attended by teachers and students of our college. He talked on how learning in our brain is subjected to situations, environment and above all willingness. What actually changes in the brain are the strengths of connections of neurons that are engaged together moment by moment in time and as it was said throughout the seminar that Neurons That Fire Together, Wire Together. This was followed by a session on professional resume building and presentation skills. Mr. Parthasarthy touched upon the important aspects and skill sets on which the industry and recruiters focus. The sessions were very informative and interactive. Students put across their doubts and issues which were duly addressed.

Report by Sumedha Kulkarni (1BM14TE047)

Coordinator: Dr Rajeshwari Hegde

Signal Processing: An Application Perspective

by Dr R Kumaraswamy, SIT, Tumkur



Statics of Participants: Students:78 Faculty:03

The talk was mainly focused on applications of signal processing in radar, sonar, biomedical field, speech processing, speaker identification etc. Different representations of the signals were discussed with illustrations. Problem identification and possible approaches for solutions in the field of multi speaker environment was explained. Some of the possible project ideas in the field of signal processing were given. At the end few videos on speech controlled robot was shown to motivate the students to carry out projects in this direction.

Outcome: Introduction to applications of signal processing, project ideas.

Coordinator: Dr Prasanna Kumar M K

Gateway to GATE

Mr Sravana Kumar, Senior subject matter expert , GATEFORUM



Statics of Participants:

Students:62

Faculty from GATEFORUM Mr Sravan Kumar gave a brief overview of the GATE examination pattern. The talk included details about the question paper pattern, cut-off marks in various disciplines, important topics to be studied and above all strategies to score high in the examination. GATEFORUM also shared its stupendous success in training candidates for the GATE so far. GATEFORUM also mentioned that all the faculty at the institute is from premier institutes in India like the IITs and IISC. A sample test was conducted after the presentation. They also offered a huge fee waiver for the toppers of the class. GATEFORUM also trains students for other PSU exams along with GATE.

GSAT exam was conducted for the students of our college on 8th April 2017 from 12pm-2.00pm. 73 students wrote the exam.

Coordinators: Mr Balachandra Kumarawamy, Dr Rajeshwari Hegde

Openlab-embedded Platform By Mr Sandeep, Founder, etiq Technologies



Statics of Participants: Students:60 Faculty:03

Simple projects can be performed which will help in learning the basic hardware components and also to observe real time response to the working codes.

The embedded board specifications include 'pic' microcontroller, graphic LCD, relay and motor driver, seven segment display, matrix keyboard, communication ports, real time clock, USB, EEPROM, IO board and a mini bread board. This platform benefits beginners the most as all hardware sections are separately categorized with an open structure for convenience of use and to deliver a clear knowledge on hardware sections. Its open structure reduces the project design complexity for Engineers.

There are a number of free on-board connections on OpenLab. There are temporary connections between the controller and various ports. It is quite easy to switch between the running mode and programming mode with the help of toggle switches mounted on-board. the OpenLab is highly extendable ,that is the user can interface extra elements either using add on boards or with the help of bread board. Hence it is user friendly.

The user can connect various add-on modules and also Arduino shield interface boards while building larger circuits. This platform also has an SD card module to add additional memory in high end projects in addition to the microcontroller internal memory.

Report by Madhura A(1BM15TE016)

Coordinator:Dr Rajeshwari Hegde

Meditation for Human Evolution

Poornima Hegde, Trainer, Heartfulness Institute



Statics of Participants:

Faculty and staff:15

Dept. of TE organized an extension lecture on “Meditation for Human Evolution” under SWAYAM student forum, by Mrs Poornima Hegde, Meditation Trainer, Heartfulness Institute. She also conducted a meditation session for 30 minutes. The speaker shared the benefits Heartfulness of meditation and her experience. Some of the benefits are

- Improved quality of life
- Stress relief
- Better quality of sleep
- Stimulation of the immune system
- Greater concentration

Coordinator:Dr Rajeshwari Hegde

Hardware board design & Product design By Lakshmi Narasimha I N (Technical Lead, SchemaZen Technologies)



Statics of Participants: Faculty and staff:15

On 26th May 2017, Department of Telecommunication Engineering along with SchemaZen Technologies Pvt. Ltd., organized an extension lecture for the faculties of the Electrical cluster departments. Mr Narasimha from SchemaZen Technologies was the invited speaker for the event. He mentioned that SchemaZen Technologies is a Unique, Premier Training, Research & Development Company dedicated for providing world class competency skill-sets in the field of “Electronics System, Hardware Board Design & Product Design” covering the entire End to End Electronic Product Design and Production Life Cycle. And also mentioned that the Company is first of its kind in India, to build people/students to get into core electronics companies and build greater products.

For the enquire of the faculty about the training for students, he mentioned that SchemaZen Technologies is dedicated in providing Training and the necessary skills in the field of Electronics Product Design Services, Hardware Board /PCB/ Manufacturing for fresh Candidates from BE, M. Tech which is useful for the Electronics Design, Development and Manufacturing Domains.

He concluded that they are interested to sign an MoU with Department of TCE, BMSCE and informed that SchemaZen along with Training,

Coordinator: Mr P S Manjunath