Aurora Bulletin

Aurora's Technological and Research Instiute

Greetings to all the readers!

February month has begun with the inauguration of a new club on campus "i3 - Innovative Information Invention", an idea originated from the minds of a group of students from the department of Electronics and Communication Engineering giving hope and platform to students to share their ideas and talents, both technical and non-technical. A workshop on Ethical Hacking, a personality development programme by Art of Living Foundation, a campus recruitment programme for third-year students, a parent-teacher meeting, and a personality development programme for the first year students have marked the first half of the month. The second half of the month was completely occupied by supplementary examinations for B.Tech second, third, and fourth-year students. During this time, the departments were busy applying for approval from AICTE and affiliation from JNTUH trying their best to meet the deadlines. In spite of the busy schedule, we have taken the time to form our first Student Activity Committee(SAC) in this month to involve students in decision making in matters related to curricular, co-curricular, and extra-curricular and to plan and organise student activities regularly on campus. I take this opportunity to wish our SAC all the very best in all their future endeavours. I thank all our support systems who are working tirelessly to keep the college buzzing with activity whenever there is an opportunity and especially our publication cell which is successful in bringing out the newsletter on time every month. Looking forward to an eventful March. Wish all the readers a happy reading!!

Srikanth Jatla

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Editorial Board
Mr. Srikanth Jatla
Dr. P. Bharathi
Ms. V. Shilpa
Ms. K. Supriya
Mr. M. Gangadhar
Ms. Prasanna Laxmi
Ms. L. Aparna

Design and Layout
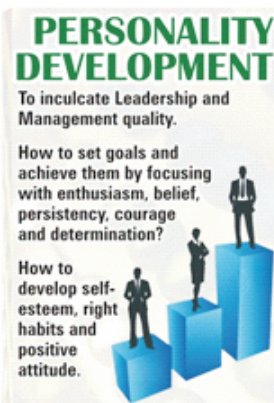G. Sumalatha

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6 Youth Empowerment

College Activities

Inauguration of I- 3 Club

The students of ECE came up with an IDEA Club named I-3 Club "Innovative Information Invention" and club inauguration was conducted on 1 Feb 2016. The motto of this club is to provide a platform for the students to come up with their ideas, implement them in the campus and help them in empowering their knowledge .The club was inaugurated by I/C Director Mr. J. Jawaharlal, (HoD , EEE department) followed by logo launch. As a part of inauguration few competitions like Article Writing, Pot Painting, Blind Painting, Quiz and Fashion designing were conducted and nearly 130 students participated. The logo of this club was given by Mr. P. Vinay ,ECEIIA . As a token of gratitude the club awarded him as the student of the month. In future many more events will be conducted for the students and by the students.

Personality DevelopmentProgramme for I year Students

Personality Development quintessentially means enhancing and grooming one's outer and inner self to bring about a positive change in life. Each individual has a distinct persona that can be developed, polished and refined. Personality development is gaining more and more importance because it enables people to create a good impression about themselves on others; it helps them to build and develop relationships and helps in career growth.

Mrs. Devika Bhatnagar, has trained the first year B.Tech students in the area of personality development from 8th Feb to 13th Feb, 2016. During the training sessions students were given inputs about goal setting, positive thinking, self- motivation, auto suggestion, self introduction, how to improve communication skills and body Language. Personality development is nothing but a tool that helps one realize   the capabilities and strengths in making a person stronger, happier and cheerful .

Parent –Teacher Meeting

The committee aims to help the students to cope with the problems they have related to academics as well as personal . The main focus is to make the students understand their short term goals and long term goals, identify their strengths and weaknesses and focus on strategic plan for their future endeavours. In this direction, the Heads of the Departments have identified mentors,i.e, every twenty students will have one mentor allotted. They keep both the parents and the students up-dated about the attendance and   performance in the internal exams and external exams.

The first parent teacher meeting was conducted on 6th February 2016. This meeting was exclusively for the parents of the first year students. There was a marathon interactive session with the parents from 10.00 am to 12.00 pm. The Director, Mr. Srikanth Jatla greeted and extended a warm welcome to the parents and expressed the urgency to discipline the students on various fronts. He gave a detailed description of the functioning of the college with various support systems in order to transform the students into holistic individuals. Later, parents interacted with the respective HoDs and the class mentors.

Quality Improvement Programme on
Academic Performance Analysis and Measures for Improvement

A Three Day Quality Improvement Programme on Academic Performance Analysis and Measures for Improvement was organised by the Quality Improvement Cell in association with the Exams Cell on 8th, 9th, and 10th of February 2016 coordinated by Mr Upender Reddy, and Mr Kranthi. During the programme, the heads of the departments have given presentations on the results secured by their students in internal and external examinations along with analysis in terms of their student attendance to classwork, faculty performance, the difficulty of question papers, intake quality, etc. The departments have also provided a list of measures to be taken to improve the performance of the students. The programme was attended by the Director, Heads of the Departments and two senior faculty members from each department.
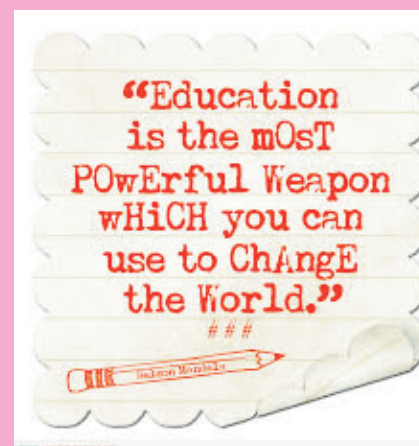

On the last day of the programme, an elaborate session was conducted on the measures suggested to improve the performance of the students in the examinations. Some of the measures included the conduct of regular quiz tests, pre-final examinations, seminars, application-oriented sessions, group discussions, quizzes, etc. The majority of the participants have felt that the performance of the students can be improved if their attendance to class work and lab work is improved. Several suggestions were given in this regard, and it was decided to implement the measures identified from the immediate month after finalisation. The Director and all the participants have appreciated the coordinators and felt that such programmes are to be conducted regularly and measures identified need to be implemented strictly. It was also decided in the programme to conduct an orientation session for faculty, students and parents individually to make them aware of the advantages of the measures being incorporated and request for cooperation.

Soft Skills Training

The phrase 'soft skills' is often used to describe the skills which characterise relationships with other people and one's approach to life and work.

Training and placements Deputy Director for Aurora group of colleges Mrs. Devika Bhatnagar has conducted a training programme for the IV year B.Tech students in the area of Soft skills development from 13th Feb to 19th Feb, 2016. During training sessions students learned about Interview skills, Resume writing, Group Discussions, Self- introduction and Body Language .

"Education is the mOsT POwErful Weapon wHiCH you can use to ChAngE the World."

Vasant Panchami Celebrations on 12 February

Goddess saraswati is the symbol of learning, wisdom, knowledge and fine arts. Vasant Panchami is celebrated as her birthday. People worship Goddess Saraswati to attain enlightenment through knowledge and to relieve themselves of lethargy, sluggishness and ignorance.Observance of Saraswati Puja in Educational Institutions brings positive energy to the students and staff.

On this occasion Saraswathi Puja was celebrated in the College Library on February 12th between 11.00a.m to 12.00noon. In the presence of a priest our Director Mr. J. Srikanth performed the puja. All the HoDs, AR and Staff were invited for the Puja. Yellow colour holds a special meaning for this celebration as it signifies the brilliance of nature and the vibrancy of life. So laddus were offered and yellow flowers glorified the occasion.
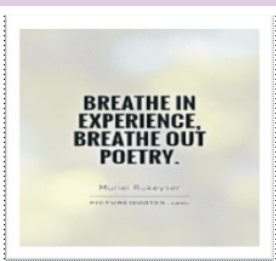
Bhumi Puja for New Block on Campus

A foundation stone was laid and Bhumi Puja was organised on 12th February 2016 marking the beginning of construction of a new block in the campus. The new block would be accommodating all the classrooms and laboratories of Mechanical Engineering and Civil Engineering departments and would also have other additional facilities once constructed.

Shri. N Raja Babu, Chairman, and Mr Srikanth Jatla, Director I/C, have performed the Bhumi Puja, and Mr Rajasekhar Reddy, Assistant Registrar, and Mr Trivikram Reddy, Site Engineer, were among the others who were present during the puja.

Inspiring Personality

Sarojini Naidu (13 February 1879 – 2 March 1949), also known by the sobriquet The Nightingale of India (Bharata Kokila), was a child prodigy, Indian independence activist and poet. Ms. Naidu was the second Indian woman to become the President of the Indian National Congress and the first woman to become the Governor of Uttar Pradesh state. Her birthday is celebrated as Women's Day. She depicted contemporary Indian life and events in her poems. Her collections "The golden threshold (1905)", "The bird of time (1912)", and "The broken wing (1912)" attracted huge Indian and English readership.

Formation of Student Activity Committee

A Student Activity Committee was constituted on 16th February 2016 with the following members for planning, coordinating, and executing all the student-related activities including curricular, co-curricular, and extra-curricular on campus.

Mr Vikas Goud, 3 CE, President
Ms Jyothi, 3 CSE, Vice President
Mr Manoj, 3 ECE, Secretary
Ms Lakshmi, 3 ECE, Joint Secretary
Ms Jaya Sri, 3 CE, Treasurer
Mr Manoj, 3 ME, Public Relations Officer
Ms Tulasi, 3 ECE, Public Relations Officer
Mr Vamshi, 3 CSE, Public Relations Officer
Mr Anil Kumar, 3 EEE, Member
Mr Madhu, 3 ME, Member
Mr Vinay, 3 ECE, Member

Mr Vikas Goud from third year B.Tech Civil Engineering was voted as the President of SAC by all the members, HODs, and the Director. The members for other roles were also selected through voting. The committee would be working towards motivating and building confidence among all the students. It would also work as an interface between the management and the students and will help in bridging the gap. Annual Day Celebrations, Avyaya, was given as the first task to the SAC. All the members were congratulated by the Director, and Heads of the Departments and wished them all the best. SAC would soon be a registered body and would be formed as a Student Council after the preparation of the bylaws.

Meeting with the Student Activity Committee

A meeting with the Student Academic Committee was conducted by the Director along with all the Heads of the Departments on 22nd February 2016 from 2 pm to 4 pm to discuss annual day preparations and other academic issues. In the meeting, the venue for the annual day was finalised as LB Stadium, Hyderabad, and various committees with faculty and student members were formed. Various cultural and sports activities for the annual day celebrations were also identified and scheduled from 9th March 2016. The list of guests for the event was also finalised. Apart from the annual day celebrations, problems being faced by the students in terms of facilities in the college were also discussed and solutions to the problems identified. The Director has informed all the students to send a message to his mobile number (9100999999) in the case of any indiscipline issues occurring on the campus to speedup action and see that they do not recur. It was decided to take special care of the students coming from Telugu medium and improve communication skills of all the students. It was also discussed to conduct prefinal examinations from the coming semester. Steps to be taken for improving the attendance of students was also discussed in the meeting which concluded by taking a decision to register a Student Council as soon as possible.

Youth Empowerment And Skills Workshop 18- 20th Feb 2016

"In the history of the universe, there has been nobody like you and to the infinity of time to come, there will be no one like you. You are original. You are rare. You are unique. Celebrate your uniqueness."
– Sri Sri Ravi Shankar, Pioneer of Art of Living

Youth Empowerment & Skills Workshop (YES!+) was conducted by the Art Of Living Foundation, inspired and guided by His Holiness Sri Sri Ravi Shankar, with the objective of all round development and empowerment of the youth to equip students to excel both academically and professionally. At ATRI Mr. Bhaskara Puranam and Ms. Jigyasa Puranam conducted this programme as facilitators.

YES!+ at ATRI started with 34 young minds waiting to be transformed.When asked what the students expected from the course, the list seemed endless… Confidence, better concentration, anger management, time management, how to get over stage fear, overcoming shyness, courage, success, being open and friendly, being loved, handling fear and other emotions, positive attitude, leadership qualities, happiness, freedom, better relationships, stress free mind, being able to express themselves, smiling genuinely, knowing themselves better and so on…The workshop started with getting to know each other better and learning the importance of handling one's own mind and emotions.

The students also learnt and experienced Pranayama and the SudarshanKriya, a powerful yet simple rhythmic breathing technique that incorporates specific natural rhythms of the breath, harmonizing the body, mind and emotions. The technique eliminates stress, fatigue and negative emotions such as anger, frustration and depression, leaving the mind calm, focused and the body energized, completely relaxed. As the course progressed, the radiance on each student's face was evident as they found themselves stress-free and infused with higher energy and confidence levels. The lively and interactive format of the course made it easy for the students to understand how to handle their own minds and emotions better.

Art Of Living courses help maintain mental hygiene by providing practical tools and techniques to reduce stress and live fully in the present moment so that we are able to live not only a successful life, but a happy one too!It was a pleasure conducting the YES!+ workshop for the students of ATRI. We look forward to conducting regular Art of Living workshops for students, faculty and management of the esteemed institution.
A special thanks to Director Sir Mr. Srikanth and Ms. Aparna for their heartfelt support in making this happen in the most comfortable way. "YES!+ Never Ends"
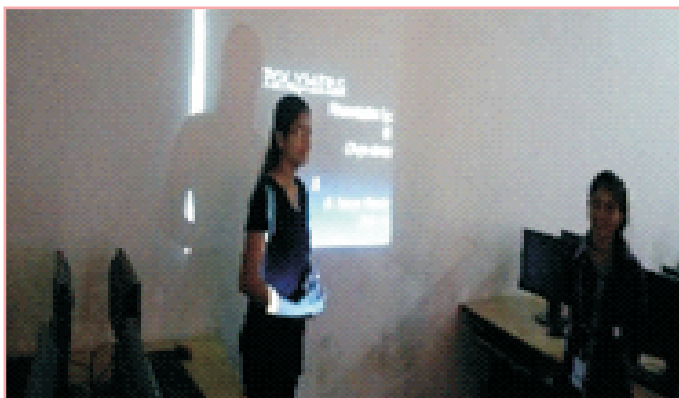
Report by:
Ms. JigyasaPuranam

ALL THE ART OF LIVING LIES IN A FINE MINGLING OF LETTING GO AND HOLDING ON.

QUOTEHD.COM   Henry Ellis
                               British Psychologist

Department Activities

Department of Chemistry

Power Point Presentations

The Department of Chemistry has organised a Power Point Presentation competition for I B.Tech students on the topic "Engineering Chemistry" on 13.02.2016. Mr. D. Ugandhar Reddy HoD, and . Ms. G.Uma, Asst. Professor conducted this programme. It attracted a good response from the students and a total of 14 students participated in this competition. Mr. P.VinayKumar from CSE IC got the 1st Prize, while the second prize went to Mr. Satish Chandra from CSE IA.

I'M UNHAPPY

I'm unhappy with the rain;
that falls upon your skin is closer than
my hands
I'm unhappy with the wind:
That waves through your clothes and is
closer than my shadow
I'm unhappy of the nights;
Which I didn't spend with you and am
wondering who you lay next to
I'm unhappy with the love;
The love that was in here, was gone for
someone else to share
Cause, I wished you the best of this
entire world could give me
When you left me,
 I told you there's nothing to forgive
But I always think you'd come back and
tell me all happened is a dream
But it was a heartbreak and misery
Now, it's hard for me to say
I'm jealous of the way you're happy
without me.

- M. Ajay, CE , III- B

Department of Civil Engineering

Classroom Seminars

Students were instructed to give presentations on a topic of their interest or suggested by concerned faculty. These presentations help the presenter to add a topic to his knowledge bank and to share the worthful information with the audience. As a part of academic instructions, B.Tech EEE III-II students have a subject titled "Disaster Management". An oral presentation was given by E.Dayasagar (14845A0214) on SIACHEN AVALANCHE. This started off with basic information about Siachen and the weather conditions prevailing there. The atmosphere was filled with a sense of patriotism knowing about our Indian soldier Hanumanthappa's bravery until death. Food habits, Oxygen levels, Decision of bravery to be a part of Siachen protection, Patrolling were discussed, followed by a question answer session.

Homage was paid to our martyrs by maintaing silence for their souls to attain heavenly abode.

Few students (Ajay, Vineeth, Madhubala, Vikram and Ravi) shared their opinions about session as that was very encouraging, boosted their confidence and are expecting such sessions more often.

The oppurtunity was of great aid to Dayasagar which helped him to come out of his stage fear complex, could gain confidence and was feeling lively at the end.

Department of Electronics and Communication Engineering

Technical Talk

The dept of ECE and CSE together has conducted a Technical Talk on 16th February 2016 on Internet Of Things for III year students by Mr. Ahmed Nazeer, HR & Business Manager, VSES INDIA PVT. LTD, Hyderabad, India. The Internet of Things (IoT), also called Internet of Everything is the network of physical objects or "things" embedded with electronics, software, sensors. It has connectivity to enable objects exchange data with the production, operator and/or other connected devices based on the infrastructure of International Telecommunication Union's Global Standards Initiative. The Internet of Things allows objects to be sensed and controlled remotely across existing network infrastructure, creating opportunities for more direct integration between the physical world and computer-based systems, and resulting in improved efficiency, accuracy and economic benefit. Each thing is uniquely identifiable through its embedded computing system but is able to interoperate within the existing Internet infrastructure. Experts estimate that the IoT will consist of almost 50 billion objects by 2020. This talk helped students to be updated with the latest innovations in technology.

"EDUCATION IS NOT preparation FOR life; education IS life ITSELF."
John Dewey

Personal development is a major time-saver. The better you become, the less time it takes you to achieve your goals.
~ Brian Tracy

Personality Development

A Guest Lecture was organized by the ECE department on Personality Development. Ms. Devika Bhatnagar, Deputy Director Training Of Aurora Group Of Colleges on 15 February 2016 for final year students. .

The lecture involved concepts like

1. Self Introduction 2. Tips for Interview Facing3.Group Discussion4. Improving Communication Skills5.Profile Writing 6.Setting up goals and tips for achieving them and few motivational stories. The session was very interactive and motivated students to reach to great heights personally and professionally.

Embedded Pro Test

The department in association with ISM conducted an EMBEDDED PRO TEST for final year students. In this exam the students knowledge in basics of C programming, Embedded systems and 8051 Architecture was tested . 112 students participated and 52 students qualified and were given a participation certificate and the top two students namely P.Sai Manasa and S.Sruthi were awarded medals.

Department of Computer Science and Engineering

ASIA'S biggest Cyber Security Championship-2016 was conducted by Augmented Learnings at Aurora's Research and Technological Institute. It started with the Inaugural function   on 4 february 2016 by Director, ATRI Mr. J.Srikanth and HoD-CSE Mr.Rakesh Singh who encouraged the participants to learn Ethical hacking so that in future they cansave the nation from Hackers. A Workshop was conducted for two days 04-05 Feb 2016 on "Cyber Security and Ethical Hacking" and the resource person MrAkashAgarwal ,acertified Ethical Hacker has trained the students and motivated them towards Ethical Hacking. The Championship was conducted in two rounds, Y.Satya of ECE was the winner of first round and must appear for second round to be conducted in Bangalore. Mr. Akash Agarwal was impressed by Mr.Rishab, CSE- III B and offered him internship in his own company.

Annual Student Symposium 2016

ATRI IEEE STUDENT BRANCH conducted Annual Student Symposium 2016. It was a full day conference on the theme, "Innovation and revolution-The Indian way", held on February 18th, 2016. The aim of the symposium was to bring together the best of brains for some discussions on the Influence of Indian culture on technology and also the direction and flow of technology for the nation and the world in the next decade. In the second session (after lunch) we invited Hyderabad section volunteers to speak about IEEE and its benefits and motivate the students to take membership.

More than 140 students from all the departments participated in this conference to hear what the eminent guests have to share about the technology advancements and their impact on our Indian culture on technology and daily lives. Students were given a chance to share their thoughts and opinions in this direction

M. Suryanarayana Murthy, expert in Vedic sciences spoke about culture and vedic sciences.
P. Satyanarayana- Project manager CDM smith- Spoke about how culture influenced our daily life
K. Venkata Rao- Retired principal-Govt polytech college- Spoke about ancient architecture
E volunteer- Shared his experiences with IEEE

KLVS.Vishwanatham- Asst manager RVNL- Spoke about the ancient inventions and technology
Dr. Ramdas- Swiss development corporation- Gave a presentation expanding benefits of IEEE
Rohit Rangu-IEEE volunteer- Shared his experiences with IEEE

National Science day- 28th February

National Science Day (Rashtriya Vigyan Diwas) is celebrated every year in our country in honor of the great Indian physicist Chandrasekhara Venkata Raman's discovery on February 28, 1928 of the eponymous Raman effect, which relates to the way that light is scattered when it passes through different materials. Raman earned a Nobel Prize for his work in 1930. National science day aims to impart scientific temper in the minds of people of all age groups. The theme for year 2016 is "Scientific Issues for Development of the Nation" that aims at raising public appreciation towards science and technology.

Department of Mechanical Engineering

Industrial Visit

An Industrial Visit to Sri Krishna Fabricators- Jeedimetla was organized on 16-02-2016.The objective of the visit was to expose students to industry machine tools used for fabrication of reactors & receivers required in metal sheet cutting, rerolling and TIG welding. Materials used for these are different grades of steel (SS304, 316&316L). Machining activities are required to avoid leaks at nozzles. They also supply reactors and receivers. Reactors are used for mixing of drugs. Receivers are used for storage of drugs and chemicals. It will take a month to manufacture this reactors and receivers. Students benefited a lot from this visit.

Technical seminar on Simulation

On 19-02-2016 A technical Seminar on Simulation was organized in collaboration with CADFEM . Seventy students and many faculty members participated in this seminar.

Mr. Bharath, sales manager and resource person form CADFEM interacted with students of second, third and fourth year as well as with the faculty of Mechanical Engineering department for about one and half hour and introduced the concept of simulation.

Beginning with the concepts and by justifying the necessity for it, the seminar progressed ahead with intensifying the use of software for simulation by addressing the merits over the previously used conventional methods for designing and testing of model.

By giving apt instances, the present trends in industry were explained and how an arduous and tedious task was achieved in simple fashion with the use of simulation was put in plain words. Time was just a mute spectator and the seminar had to end at some point, and it ended with answering the questions from participants .

Sporting Spirit

Faculty Achievements

- Mr. D. Venugopal Reddy , Asst. Professor , Mathematics has given a guest lecture on 'Group Theory' at Aurora's P. G College, Uppal on 3-2-2016.

- Mr. D. Venugopal Reddy of Mathematics Department has qualified Ph.D entrance exam from SKU and Secured 8th Rank.

- Mr. M. Rajesh, Asst. Professor , MBA Department has qualified Ph.D entrance exam from SKU and secured 15th Rank.

- Ms. M. UmaRani, Asst. Librarian has attended a two day National workshop on "Developing Digital Libraries using D-Space 5.2" on 5-6 February 2016 at University College for Women ,Koti, Hyderabad.

- Ms. G. B. KadambariDevi , Assoc. Professor , English Department and Mr. M. Rajesh Asst. Professor , MBA Department have attended a One Day Workshop on Gender Sensitization on 12th Feb 2016 at JNTUH Hyderabad.

- K.Thrisandhya, Asst.Prof. , ECE Department attended a Faculty Development Program at GRIET on VLSI Digital signal processing.

- Mrs N. Nirmala Devi, AssocProf , and Mrs. T.JyothsnaSr.Asst Prof of ECE Dept have qualified in the Ph.D Entrance exam conducted by JNTUH.

Student Achievements

The students Of ECE have attended a Job fair on 14TH 15TH of February 2016 organized by Rooman Technologies at Govt Degree College for Women – Begumpet . In this fair 50+ Companies participated and offered around 2000+ job offers. The following are the students selected for JustDial

S.No.	Student Name	Roll Number
1	S.VAMSHI KRISHNA	12841A04H0
2	NEHA JADAV	12841A04H3
3	V.MANIDEEP	12841A04M6
4	S.SUNIL YADAV	12841A04M2

Potatoes, Eggs, and Coffee Beans

Once upon a time a daughter complained to her father that her life was miserable and that she didn't know how she was going to make it. She was tired of fighting and struggling all the time. It seemed just as one problem was solved, another one soon followed.Her father, a chef, took her to the kitchen. He filled three pots with water and placed each on a high fire. Once the three pots began to boil, he placed potatoes in one pot, eggs in the second pot, and ground coffee beans in the third pot.
He then let them sit and boil, without saying a word to his daughter. The daughter, moaned and impatiently waited, wondering what he was doing.After twenty minutes he turned off the burners. He took the potatoes out of the pot and placed them in a bowl. He pulled the eggs out and placed them in a bowl.
He then ladled the coffee out and placed it in a cup. Turning to her he asked. "Daughter, what do you see?""Potatoes, eggs, and coffee," she hastily replied.
"Look closer," he said, "and touch the potatoes." She did and noted that they were soft. He then asked her to take an egg and break it. After pulling off the shell, she observed the hard-boiled egg. Finally, he asked her to sip the coffee. Its rich aroma brought a smile to her face."Father, what does this mean?" she asked.
He then explained that the potatoes, the eggs and coffee beans had each faced the same adversity– the boiling water.However, each one reacted differently.
The potato went in strong, hard, and unrelenting, but in boiling water, it became soft and weak.The egg was fragile, with the thin outer shell protecting its liquid interior until it was put in the boiling water. Then the inside of the egg became hard.However, the ground coffee beans were unique. After they were exposed to the boiling water, they changed the water and created something new.
"Which are you," he asked his daughter. "When adversity knocks on your door, how do you respond? Are you a potato, an egg, or a coffee bean? "Which one are you?

Placements

Placement Drive

The Dept Of ECE arranged a Placement drive in association with "Rotavio Labs Private Limited" on 19th February 2016 for final year ECE students under the headship of Mr. Swaroop. He pursued his B. Tech in ECE branch from AEC,   Bhongir in the year 2003 and then completed his Masters in Aeronautical Engineering from IIT, Kanpur and is running his own company "Rotavio Labs Private Limited". He is working on DRDO Projects and dreams about Make in India products.

As an Alumni Student he wanted to provide placement for the students and conducted an Aptitude test on 19 feb 2016 followed by personal interview. The following students were shortlisted

S.No.	Student Name
1	G.Karthikreddy
2	B.Spandana
3	P.Sai Manasa
4	S.Sreekanth Reddy
5	E.Chandramouli
6	M.Kranthi Kumar Yadav

Placement News

Sol Pvt. Ltd

Placements Cell conducted SentiniGeoSoft Sol Pvt.Ltd.n 23/02/2016.
(Group of colleges)
Total Number of students Registered via on-line - 119 (Group of colleges)
Total Number of students Participated in the Drive - 36(Group of colleges)
Total Number of students Participated in the Drive from ATRI-07

Total Number of students Shortlisted for final / technical round-11(Group of colleges)
Total Number of students Shortlisted for final / technical round From ATRI -02
1. Ashish Kumar Tiwari
2.Sunil Kumar Bandaru
Total Number of students Registered via on-line - 65
Total Number of students Participated in the Drive -60
Total Number of students Shortlisted for final / technical round-06
WAITING FOR FINAL RESULTS…….

Mroads

Placements Cell conducted Mroads drive on 17/02/2016.
        Number of rounds conducted:
1.JAM
2.written test
Number of students participated in drive:266(Group of colleges)
Number of students shortlisted for HR interview:Waiting for resultss
Number of students shortlisted for HR from ATRI:Waiting for results
WAITING FOR FINAL RESULTS…….

Resource Person: Aurora group of colleges Training and placements Director Dr. Raghu Naga Prabhakar

Articles

Understanding Electrical Engineering

Returning home from college, I dumped my bag on the table, freshened up and changed. I was a student of third year in Electrical Engineering. Mom had gone out for vegetables. She left some snacks and tea for me. Dad was out on his job. My grandfather was relaxing on the easy chair when he saw me eating the snacks. Once I completed eating he asked me to sit near him. While I was sipping tea he asked me,

"Chinna,daily you go to college.What you do there?"

"Thaatha ,I learn Electrical Engineering", I replied

"What is that?", he asked.

Then the conversation started

Me(to make it simple): Thaatha, it is study about current

Thaatha: Oh! The current we use for the light

Me(encouraged by his answer): Yes ,Yes

Thaatha:Tell me what is current

I fell into a dilemma. I couldn't tell him current is flow of electrons and so on. It will be futile to explain technical terms.But, I wanted to explain on his own terms and in his own words. The conversation continued….

Me: When you put on a switch , What happens?

Thaatha: The light or fan gets on .The current goes into them.

Me: So, then tell me what are the 'gunas'(properties) of the current?

Thaatha: Well ,it's useful

Me: of course, it's useful. Tell me another property.

Thaatha: Let me think! (taking his own time) Well,it's fast

Me:Wow!! It's as fast a light. Another property?

Thaatha: Wait! (thinks for some time)It's invisible!!!!!

Me :Great!! Another property!!!

Thaatha(brooding for some time) : It gives shock. It's dangerous!!

Me: You done it! , Thaatha. Current is fast ,invisible, dangerous and useful

Thaatha: So?

Me: Thaatha, the current we talked about, we call it electricity. The energy is called electrical energy which is useful, fast, invisible and dangerous .In college we learn to make, send and use such an energy

Thaatha : That's good.

Me: It's called Electrical Engineering

Thaatha: Good boy.We will keep talking about this. Iam interested.

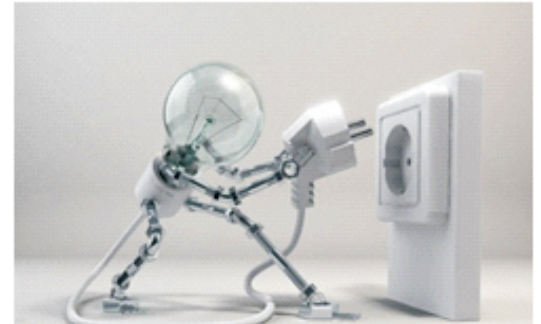 Now go, your father has come.

Grand father talks to my father

Thaatha: Son,What happens when you put on a switch?

Father: Light or fan gets on. Current goes into them

Thaatha: So, what are properties of current? …………………………..

The conversation continued.

- Current flows almost at the speed of light
- Current turns a motor, lights a lamp and also it heats
- 32 milli amperes of current is fatal
- Current flows within a fraction of seconds from generating stations which are very far to the motors ,lighting and heaters
- We should not touch any open terminals without personally confirming that the power supply to the terminals are cutoff .

Mr. Devdas
Assoc. Prof, EEE

Changing Entrepreneurial Ecosystem in India; Start-Ups Betting High

For a long time when Indian economy was based on the Soviet model, capitalism was a bad word in India. Things, however, changed in the last decade of the 20th century when liberalization unleashed a latent force of untapped entrepreneurial potential in the country. With the license procurement and doing business becoming easier, India set about on a new direction, and there was no looking back.

Not only did new business emerge but they created jobs, attracted foreign investment, spawned a new middle class and modeled a new generation of confident Indians for whom entrepreneurship was a popular choice. Today entrepreneurship has gained a lot of respect, with people from diverse backgrounds breaking into the big picture. What has changed in the last 25 years is the belief that anybody can do business, provided he/she has the right idea.

Till two decades ago, school education was followed by a university degree and then a job with which the person continued for the rest of his productive life. Businesses were meant only for people belonging to business families who would take forward the merchandise of their forefathers, and diversify it a bit. Today, boosted by the success stories of their peers, more and more people have developed the gut to explore their ideas and take the risk of venturing into a business avenue.

According to NASSCOM India is the 3rd largest base for start-ups in the world at present with over 3,000 startups present in India and over 800 setting up annually. By 2020, India is expected to be a home of 11,500 start-ups employing over 250,000 people. They also push business activity on the levels of mergers and acquisitions, with smart companies attracting formidable international attention. Over 20 M&A's worth US$ 1 billion have been completed in India in last three years. Driven by a young and diverse entrepreneurial eco-system that is all inclusive of talent, remarkably innovative ventures are making a mark in India.What has changed is the economic and social fabric of the country revolutionizing the entrepreneurial ecosystem in India.

Role of New Age Technology

In recent time modern versions of entrepreneurship have emerged aided by the transformative power of technology. A bulk of India's startup have been in the domain of new age technology, be it e-commerce, IT-enabled healthcare services, or on-call services in a variety of areas. The rapid progress in the field science and technology has significantly expanded the scope of innovation in production, helping entrepreneurs explore new grounds and launch new ideas.

We have spent years acting as the back offices for many international brand and companies. However, with thegrowth in confidence of Indian youth towards taking the risk of establishing their own companies, powered by the IT revolution of the age, Indians are today standing on their entrepreneurial feet. Take that, some of India's most successful start-ups that went on to become huge businesses have been in the IT domain, be it Flipkart, Just dial, Bookmyshow, Makemytrip,oyo rooms or even shaadi.com.

Policy Help

Liberalisation of the economy sent forth the first generation of entrepreneurs who established such brand names as Infosys, Bharti, Kotak, ICICI, among many others. These ventures opened a whole new scale of job opportunities for India's educated young. Realising the potential of businesses in creating jobs, successive governments have lent policy support to entrepreneurs as well. New policies towards encouraging micro or small businesses such as making loans easier for them has changed the face of entrepreneurship in India.

However, the slowing down of reforms in recent years means we still need to cover a lot of distance when it comes to making India absolutely business friendly by offering right tax incentives, participation in government contracts, availability of risk capital etc.

Financial crisis as a reality check

The global financial crisis of the last decade which saw many old institutions and markets crumble also saw the rise of new ideas and newer ways of doing things. It also in a way forced companies to do more with less, with reduced access to capital, innovation became the key. The realisation that too much investment in real estate or equity markets is not a good idea enabled newer ideas to emerge in many countries including India.

With Indian middle class becoming a voracious consumer of digital products, India has become the fourth largest base of technology start-ups in the world. The growth of start-ups could be mainly accounted to the factors like large domestic market, increased M&A activity and access to capital through investor funding. Indian start-ups are also growing following their unique solutions and business model. With young entrepreneurs dominating the market, most of the start-ups have gained foothold following a strong consumer-centric approach and with B2C business model.

Inflow of investors

With vibrancy in the entrepreneurial ecosystem, start-ups today have access to multiple sources of funding from venture capitalists (VC), private equities (PE), angel investors, banks and financial institutions as well as incubators. With start-ups betting high on the ecosystem, there is a significant maturity observed in terms of funding. Unlike, a few years ago when financing was debt-oriented, the participation of venture capitalists has grown in India. Today, segments such as travel, matrimonial services, jobs, games, mobile payments, etc., are getting substantial capital infusion.

The relaxed norms and introduction of new reforms by the Indian government has further encouraged the investors to park their money in India. Filling the big lacuna in the entrepreneurial ecosystem in India, which earlier discouraged many budding start-ups, the investors have now gained confidence on Indian caliber and are ready to take the risk.

While IT-related ventures continue to rule, start-ups in sectors like cleantech and renewable energy, retail, healthcare and education have seen increased funding activity Gone are the days when Indian businesses flourished under the shadow of international brands and names.

With more mature ecosystem and ample opportunities, Indians today are not only launching their own brands but also marketing them in the international market under own brand names. With owning patents of many products, Indian entrepreneurship set sail to conquer not just the domestic but international market as well.

- Mr. M. Rajesh
Asst. Professor, MBA Dept

My Experiences at YES!+

A little introduction about the Art of Living foundation first- it is a volunteer-based, humanitarian and educational non-governmental organizations (NGO). It was founded in 1981 by Sri Sri Ravi Shankar. The Art of Living Foundation is spread over 156 countries and is considered the world's largest volunteer-based NGO.

On the 16th of February, when Mr.Bhaskara (who I would later come to know as a great teacher) entered my class to talk about the workshop YES!+, I was instantly filled with a healthy amount of skepticism. I heardabout the Art of Living foundation before, but only in passing. I thought that they too had legal problems or maybe some shady connections, like most "foundations" these days. Nevertheless I was curious about the workshop and made up my mind to ask my parents for the money required. Now, that figure might be discouraging to some, but let me assure you that the rule of quality over quantity applies here.

My mother, who had heard about the foundation through her colleagues, had nothing but praises for them. She encouraged me to join the workshop. I paid the money to Ms.Jigyasa (who I would also later come to know as a great teacher) who smiled warmly at me and handed me a phone number to contact in case of any queries.

The workshop, YES!+ (standing for Youth Empowerment and Skills !+) started on the 18thFebruary. There were about 34 people present for the workshop, most of whom I did not know. We were all seated on a carpet that covered the floor. After everyone arrived, the workshop finally began.

All of us were asked to introduce ourselves to each other in a pretty interesting and unique way. Initially it was awkward for everyone, but after the first few times it became easier to do it. After the introduction we were all wondering about the point of the exercise, and our teachers promised to tell us on the third and final day. It turned out that they were trying to bring about a feeling of belongingness among us. I am a bit jiffy about whether it worked wellor not.

The workshop was very interactive, and as an incentive to answer questions there were chocolates; lots of them. A chocolate was given for each answer, and I was sure to answer many questions. Before lunch, we were taught the first sutra. The workshop focused mainly on two things- the sutras for a happy life, and the sudarshankriya. All the sutras are simple to understand single sentences, and implementing them in one's life will be very beneficial. I am not at liberty to share the kriyas with you, but let me tell you- even implementing just one sutra in life can change it, undoubtedly for the better.

In the afternoon we were introduced to the sudarshankriya, the meditation technique which Sri Sri Ravi Sankar came up with after observing ten days of silence. The technique is basically a rhythmic breathing pattern which has been scientifically proven to have long term benefits for the body. A little research can tell you more about this. We meditated and breathed as directed, and somehow many of us fell asleep. My sleep was peaceful, and I felt happy. I cannot completely explain what I felt, for I feel that one must experience it to understand what I mean.

The second day everyone was more enthusiastic than the first. We started off with the kriya, and after lunch, were taught the second and third sutras. These were explained wonderfully with the help of a few examples by Mr.Bhaskara and Ms.Jigyasa. There were also a few games/activities where we had to choose a team or partner. Everyone was growing more comfortable with each other, and the day passed splendidly.

Then came the third day, which was about an hour and a half longer than the previous days. It was on that day we learnt how to perform the kriya on our own. Taking only about 20 to 30 minutes, thekriya can be performed almost anywhere. After performing it, I truly felt at peace, albeit just for a moment. And by peace, I mean that I forgot all of my worries for a moment and was able to just be calm. Maybe this feeling will extend as I perform the kriya regularly. Later, we had some truly fun activities, one of which was praising people behind their backs- literally. Holding a paper plate over my shoulder with one hand, and a sketch pen with the other, we went around writing praises on each other's plates. I am not ashamed to admit that I felt awesome after reading my own plate.

Time flew after that, and before we knew it the workshop was over. Ms.Jigyasa invited us to her place for bi-weekly followups. All our phone numbers were added to a Whats'app group where any further events and progress can be shared. The chances of the workshop being conducted again are good, and maybe there will be more participants next time. Saying goodbye to Ms.Jigyasa and Mr.Bhaskara was a bit sad, because they were amazing.

After the workshop, people asked me, "Do you think it was worth it, going to the workshop?". I said yes. It definitely was. They taught me some wonderful things during those three days, things I might have heard before, but never really understood. Practicing the sudarshankriya has given me restful sleep and a refreshing morning, something I think most of us desire. But let me note that for any change to happen, one must first want it to happen. The workshop and the teachings are like an ocean- what one takes away from it depends on what he carries with him; a cup or a bucket. It can help one only so far; the rest depends on his efforts.

- K. Pranav, CSE-IC

The Present Education System of India

The Indian Education system is producing a large number of graduates that are unemployable. They lack basic communication and problem solving skills that are needed for even the most elementary jobs. The problem is not infrastructure or money. Indians are willing to invest in education and this investment is more than sufficient to create infrastructure for most Bachelor or Masters level courses. The problem is that a vast majority of Indian colleges lack the focus to create employable graduates. Their task, as colleges see it, is to help students go through a curriculum and pass an exam. After that, the student is on his own.

To change the way we treat education, we need to change this focus. Institutions that are involved in education must consider gainful and appropriate employment as the primary goal of their courses. This is especially true of courses in Technology and Business Administration, where colleges need to have strong and continuous interaction with companies that will employ their graduates, to understand what they require from their employees.

The current curriculum in India is out of date. It has great content from thirty years ago and does not take into account the fact that the world has moved on.

Recent changes in Indian Education

Under various articles of the Indian Constitution, free and compulsory education is provided as a fundamental right to children between the ages of 6 and 14.

During the Financial Year 2011-12, the Central Government of India has allocated Rs.38,957 crore for the Department of School Education and Literacy which is the main department dealing with primary education in India. Within this allocation, major share of Rs.21,000 crore, is for the flagship programme 'Sarva Siksha Abhiyan'. However, budgetary allocation of Rs.21,000 crore is considered very low in view of the officially appointed Anil Bordia Committee recommendation of Rs. 35,659 for the year 2011-12.

Budget allocations for Education sector in India

1. Higher Education Financing Agency to be set-up with initial capital base of Rs 1000 Crores.
2. Digital Depository for School Leaving Certificates, College Degrees, Academic Awards and Mark sheets to be set-up.
3. Allocation for social sector including education and health care – Rs 1,51,581 crore.
4. 62 new Navodaya Vidyalayas will be opened.
5. Sarva Shiksha Abhiyan to increasing focus on quality of education.
6. Regulatory architecture to be provided to ten public and ten private institutions to emerge as world-class Teaching and Research Institutions.

Steps To Improve the Education System Standards

1. Transforming India's Education System from a mediocre to a world Class system.
2. Our education system currently suffers from an apparent 'Licence Raj' that restricts entry and operation of private players.
3. It is not only invest more in education but to so more strategically Central Government should invest more resources in teachers education and development,principal training ICT in education and assessments.
4. A school rating system should be instituted to set targets for school level improvements.
5. We believe that every child in India deserves excellent education ,we also believe that given the vastness and diversity of our country we can only succeed with through experimentation and analysis, rather than a mere adoption of predefined rules. Our country needs bold reforms and focused implementation with clear targets for learning outcomes to achieve their goals.
6. We have SARVA SIKSHA ABHYAN and other Government scheme with government mentioning their agenda to be "education for All '.But it is the quality education which should be focused on. There is a massive lack of resources and infrastructure in the public/Government aided schools with only 60% of the funds allotted being used.That too on low quality education.
7. One of the key pillars in growth in education is the level of industry interaction with the students. companies should be sought out for such interactions.
8. It's looking like India does not have education system. It has an examination system. A real education system is yet to be developed.

- E. Navyasri, Sr. Asst. Prof, MBA Dept

GROUND GRANULATED BLAST FURNACE SLAG

General Blast furnace slag is a by-product of iron manufacturing industry. Iron ore, coke and limestone   are fed into the furnace, and the resulting molten slag floats above the molten iron at a temperature ofabout 1500o C to 1600o C. The molten slag has a composition of 30% to 40% silicon dioxide (SiO_2) and approximately 40% CaO, which is close to the chemical composition of Portland cement. After the molten iron is tapped off, the remaining molten slag, which mainly consists of siliceousand   aluminous residues, is then rapidly water-quenched, resulting in the formation of a glassy granulate.

This glassy granulate is dried and ground to the required size which is known as Ground Granulated Blast Furnace Slag (GGBS).

The production of GGBS requires little additional energy compared with the energy required for the production of Portland cement. The replacement of Portland cement with GGBS will lead to a significant   reduction of carbon dioxide gas emission. GGBS is therefore an environmentally friendly construction material. It can be used to replace as much as 80% of the Portland cement when used in concrete.

GGBS concrete has better water impermeability characteristics as well as improved resistance to corrosion and sulphate attack. As a result, the service life of a structure is enhanced and the maintenance cost reduced. High volume eco- friendly replacements lag leads to the development of concrete which not only utilizes the industrial wastes but also saves significant natural resources and energy. This in turn reduces the consumption of cement.

Benefits of Using GGBS in Concrete Sustainability

It has been reported that the manufacture of one tonne of Portland cement would require approximately1.5 tonnes of mineral extractions togetherwith5000MJof energy, and would generate0.95tonneofCO2equivalent. AsGGBS isaby-product of iron manufacturing industry, it is reported that the production of one tonne of GGBS would generateonly about0.07tonne of Co2 equivalent and consume only about 1300MJ of energy.
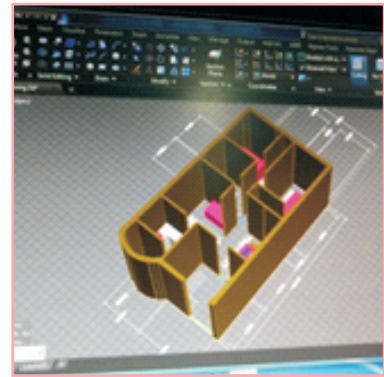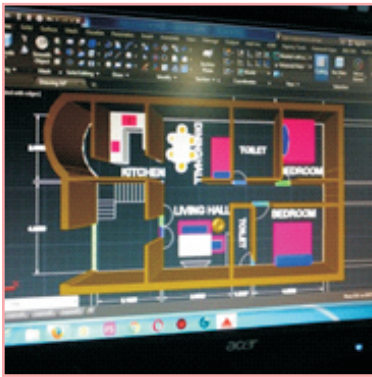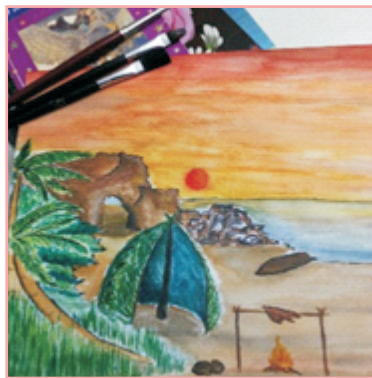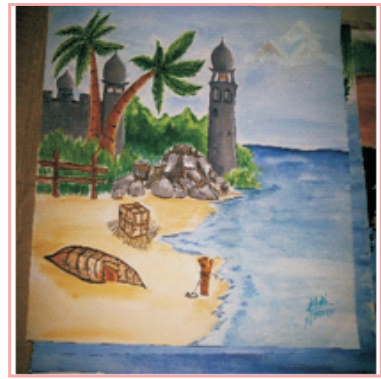
GGBS Production

GGBS is a non metallic by-product of the steel industry simultaneously produced with iron in the blast furnace of steel mills, which consists essentially of silicates and alumina silicates of calcium and other bases. Iron ore, limestone, and coke are crushed and blended into a mixture constituting the raw materials for molten iron, which is produced in +-2700 Ofblast furnace. The residual molten slag is chilled rapidly by immersion in water to vitrify the material into a glassys and-like substance.This substance is then dried and ground into a very fine powder with a minimum of 80 percent less than 45 microns in size. This is the cementations material called GGBS.

Ground Granulated Blast-Furnace Slag "Cement"

Finely Ground granulated blast-furnace slag consisting of primarily calcium and aluminum silicates, used as a partial replacement for Portland cement in concrete

D. Ramachander, Sr. Asst. Prof, CE

Art Gallery

- *Mohit Kumar Khatri*, Civil II- B

- *K. Supriya*
Asst. Prof, ECE

- *Ch. Mounika*
ECE IIC

- *A. Surya Prakash*
EEE III

Gallery

Bhoomi Pooja

Saraswathi Pooja

Quality Improvement Meeting

I-3 Programme

Seminar on Pro Cast

Visit to L & T

Volley Ball Match

Toss for a Cricket Match

Internships

S.No	Roll No	Name of the student	Class/Section	Duration	PLACE
1	13841A0304	B RAM REDDY	ME-3A		
2	12841A0354	P HARISHWAR REDDY	ME-3A	24.02.16 to 5.03.16	TATA MOTORS, UPPAL, HYDERABAD
3	13841A0307	B KIRAN KUMAR	ME-3A		
4	13841A0314	G SHIVA KUMAR	ME-3A		
5	13841A0363	B MANOJ KUMAR	ME-3B		
6	13841A0373	K RAM REDDY	ME-3B		
7	13841A0372	G HARISH	ME-3B	22.02.16 to 2.03.16	SOUTH CENTRAL RAILWAY, SEC'BAD
8	13841A0385	P SAI SHIVA	ME-3B		
9	13841A0391	R VIJAY	ME-3B		
10	13841A0368	CH DEVENDER	ME-3B		
11	13841A04G6	Sharma Ruchi Manoj	ECE III	22-2-16 to 22-3-16	NFC
12	12841A0409	C.Veda Prakashreddy	ECE III	3months under probation from 22-2-16	Analinear Design Technologies
13	12841A0426	M.Mounika	ECE III	3months under probation from22-2-16	Analinear Design Technologies
14	13841A0443	R.Vimala	ECE III	26-2-16 to 26-3-16	ECIL
15	13841A0431	K.Sravanthi	ECE III	26-2-16 to 26-3-16	ECIL

Upcoming Activities

Date	Activity
21-03-2016 to 25-03-2016	B.Tech IV thyear Project Reviews, EEE
28-03-2016 to 31-03-2016	MATLAB Training Program for IV Year, EEE
29-03-2016	Technical Seminar, EEE
15-03-2016	Soft Skills TrainingEEE II & III yr, EEE
26-03-2016	M.Tech Project Reviews, EEE
19.03.2016	Guest Lecture on Digital Signal Processing by Shravan Kumar Reddy, ECE
24.03.2016	Communication skills and interview tips by Mr.Anjan Varun Dinaker, TCS, ECE
28.03.2016 & 29.03.2016	Workshop on "Internet of Things" by Smart Engineering Solutions, IT team, ECE
1.3.2016	B.TECH IV-II, TECHNICAL SEMINARS, ECE
1.3.2016	ASTRA EE LAB (BOD) HALF DAY, ECE
2.3.2016	M.TECH II-II, ABSTRACT SEMINARS, ECE
4.3.2016	ASTRA EE LAB (BOD) HALF DAY, ECE