



*SANDIP FOUNDATION'S
SANDIP INSTITUTE OF
ENGINEERING & MANAGEMENT
Nashik*

SEEM

E-BULLETIN

SEPTEMBER 2017

Editor's Section:

ISRO-BHUVAN



ISRO- Bhuvan, is a software application which allows users to explore a 2D/3D representation of the surface of the Earth. The browser is specifically tailored to view India, offering the highest resolution in this region and providing content in four local languages. A beta version was launched on 12 August 2009. Apart from visualization Bhuvan provides timely disaster support services (domestic and international), free satellite data and a products download facility, and rich thematic datasets. Bhuvan is using a crowdsourcing approach to enrich its maps and collect point of interest data. It also acts as a platform for hosting government data.

Bhuvan offers detailed imagery of Indian locations compared to other Virtual Globe Software, with spatial resolutions ranging up to 1 metre. At present 177 cities High resolution datasets are available, while the other part of the country is covered by 2.5m resolution imagery. Locations will be viewable from different perspectives, and the software will also provide functionality for the measurement of distances and other geo-processing capabilities. The Bhuvan portal is designed to run on slow Internet connections. The images available do not include any military installations in India, due to security concerns.



The National Remote Sensing Agency played an important role in the development of this product. ISRO has used data provided by satellites including *Resourcesat-1, Cartosat-1 and Cartosat-2* to get the best possible imagery of India. Bhuvan-2D is developed using open-source software Geospatial solutions. 2D images are available on all mobile browsers.

Some of the functionality planned for future versions includes:

- Online shape file creation
- Urban Design Tools (to build roads, junctions and traffic lights in an urban setting)
- Contour maps (displays a colourized terrain, maps and contour lines)
- Terrain profile (displays the terrain elevation profile along a path)
- Draw tools (creates simple markers, free hand lines and urban designs)
- Navigation map (to jump to and view locations in 3D)

Industrial Visit at Nasik-Road Railway Station Subject- Infrastructure Engineering

Coordinator: Prof. Pathak P L, Prof Aswati T S

Class: TE Civil Students

Topic Covered : Rail gauges, sleeper, Balast, Rail signaling

Objectives:

1. To study the rail & its gauges
2. To study details of various connections
3. To study Fastening & fixtures of rail
4. To get the knowledge of rail formation
5. To study components of sleeper, crossing & Signaling

Outcome:

After completion of visit students came to know following details:

1. Details information regarding rail & its gauges
2. Connections details at sites .
3. Arrangement of Fastening & fixtures of rail
 4. How to execute laying of rail on track.
 - 5.





CELEBRATION OF TEACHER'S DAY

by Civil Engineering Dept. (ACES)





CELEBRATION OF ENGINEER'S DAY

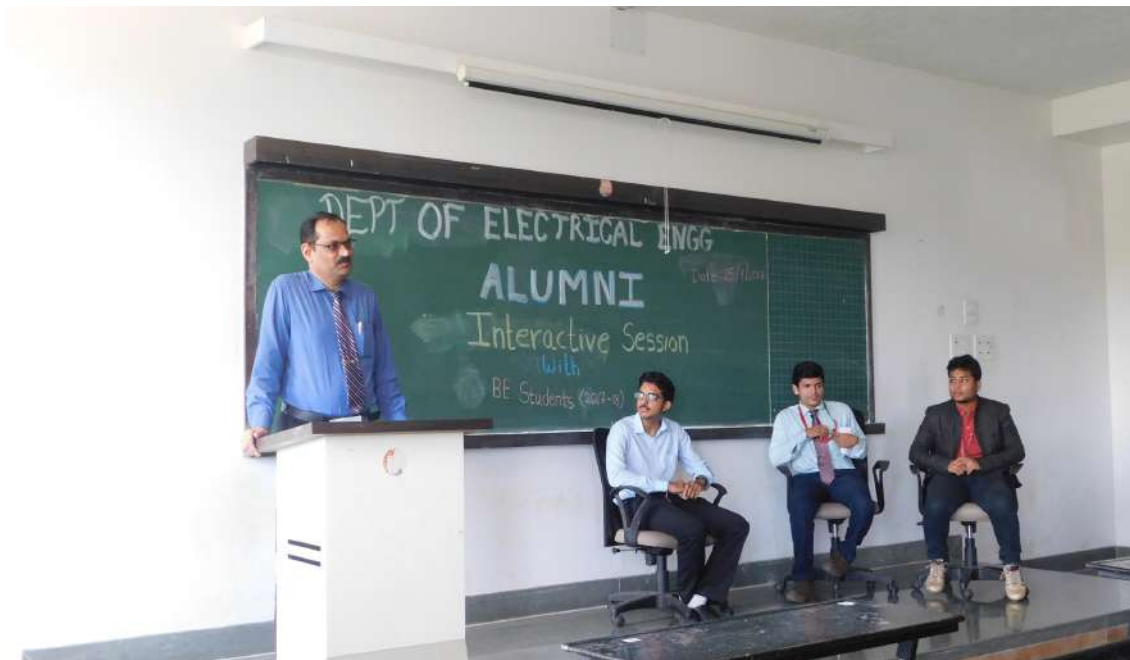
by Department of Civil Engineering





ELECTRICAL DEPARTMENT ALUMNI INTERACTION PROGRAM

- 1. Event Date:** 25/09/2017 during 11:00 am to 12:30pm
- 2. Event Conduction Duration:** 1.5 hrs
- 3. Event Resource Person:** Mr. Ravi Vaswani,
Graduate Engineer Trainee, R&D,
Rishabh Instruments Pvt. Ltd., MIDC Satpur, Nashik
E-mail: ravi.vaswani@rishabh.co.in
- 4. Number of Students:** 67 students of B.E.(A & B)
- 5. Lecture Outcome:** To make the students aware about the challenging opportunities in the electrical market. The students had an interactive session with the alumni to prepare for the aptitude round and face the interview panel. The alumni guided them about various etiquettes which are required along with the knowledge of the subjects.





TECHFIGHT2017

Event Guest Details:

Dr. Pawan Bhaladhare, HOD Information Technology Department, SITRC, Nashik

Event Coordinator: Prof. Avinash R. Potdar

Number of Participants: 55 SE Students, 66 TE Students & 69 BE Students

Objectives:

- a. Understanding concepts of C language and time management.
- b. Mini project presentation.
- c. E-Poster creation and presentation

Outcomes:

Students learn how to complete the program in given time bound. They learn the presentation skills and team work. Students understood how to create E-Poster and present the poster based on their final year project.



Winners in the events:

C War:- Tejas Mahajan S.E. Computer Engg.

Mini Project Competition:

Vinod P Gaikwad
Leena C Nandan
Monika P Patil
Bhushan Sonawane

Poster Presentation:

Shubham Memane
Sharad Deshmukh
Mayuri Sahane
Kaushal Sonawane





INDUSTRIAL VISIT

Nasik Road Railway Station Nasik

Subject: **Structural Design & Drawing-I**

Event Co- ordinator: Prof. S G Pande, Prof Patil Hitesh S & Prof B V Deshpande

Class: TE Civil

Topic Covered : Trusses, beams, columns, footing

Objectives:

1. To study Structural steel details
2. To study details of various connections
3. To study Truss components & its details
4. To get the knowledge of Structural footing
5. To study components of various steel structures & its parts

Outcome:

After completion of visit students came to know following details:

1. Details information regarding steel structures & its parts
2. Connections details at sites .
3. Arrangement of structural members
4. How to execute structural drawing at site





CELEBRATION OF Teacher's Day at Computer Department

Name of Event Coordinator : Prof. A.R. Gaidhani

Number of Students: 90

Event Description:

To celebrate 56th Teachers day in remembrance of Dr. Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education, known for his contribution towards the education system of India and to strengthen the bond between teachers and students.

Various activities were conducted by students throughout day, such as lectures by students for students. Main event consisted of various fun activities involving staff and students. Students showcased their talents through Singing, Dancing, Mimicry and Playing various instruments. The event was concluded with a small refreshment for students of BE, TE & Faculties.





INDUSTRIAL VISIT

Godavari Plup & Paper Pvt Ltd, Dindori, Dist- Nashik

- 1. Event Date:** 15/09/2017 10.00 to 16:00
- 2. Event Conduction Duration:** 6 h
- 3. Event Resource Person Details:** Mr Mukesh Patil [Sr. Engineer- Godavari Plup & Paper Pvt Ltd, Tal- Dindori, Dist- Nashik.]
- 4. Name of Event Coordinator :** Mr V.S.Patil
- 5. Number of Students:** 83 students of B.E. (A & B)
- 6. About the Visit:**

This visit was arranged as per the university syllabus for the B.E. Electrical under the subject of PLC. This visit was very helpful to the students for the understanding the different Electrical Automation Technology and Instruments etc.



Group of B.E. (A & B) Students at Entrance of GPPL



GUEST LECTURE ON Report on Energy Awareness Programme

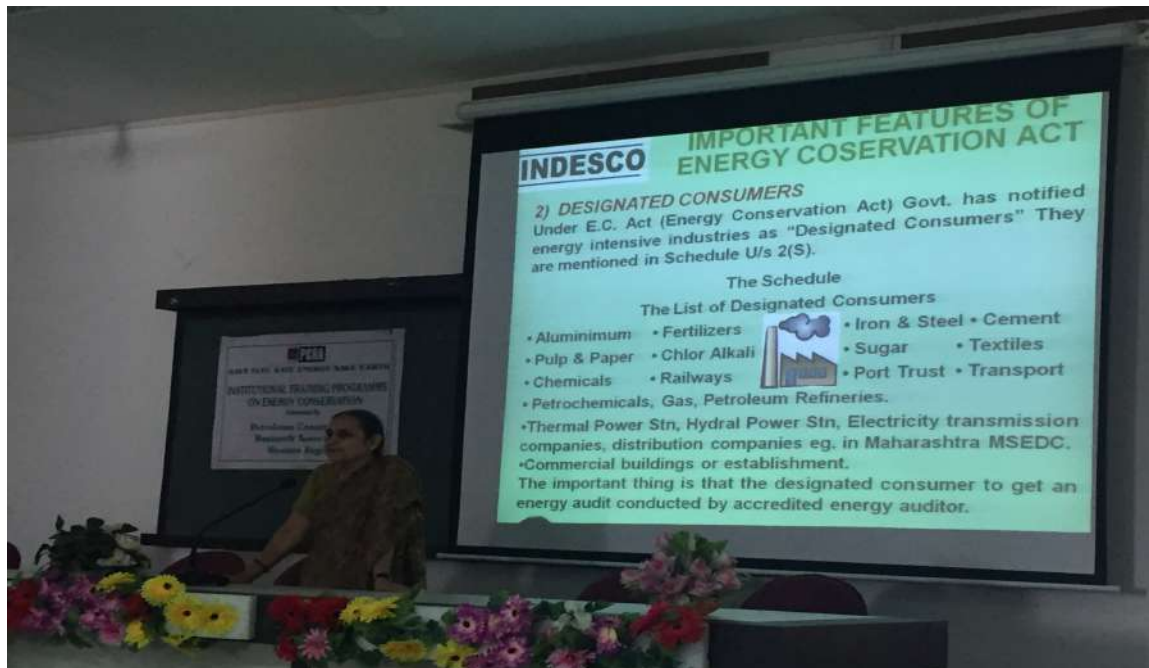
1. **Event Date:** 27/09/2017 during 1:00 pm to 3:00pm
2. **Event Conduction Duration:** 2 hrs
3. **Event Resource Person:** Mr. Ajitkumar Datar & Mrs. Asha Datar,
PCRA-Western Region, Regional Office-Mumbai.
C-5, Kesva Building, Gr Floor, Bandra Kurla Complex,
Bandra East, Mumbai-400 051, E-mail: pcrawr@pcra.org
4. **Number of Students:** 150 students of T.E.(A & B)
5. **Lecture Outcome:** To make the students aware about the learning opportunities in energy saving sector as auditor and energy manager. The students learnt about the various exams to be given to get certified as an energy auditor /& manager. Also, the resources to prepare for such examinations is explained by the resource persons.



Felicitation of Resource person-Mr. Ajitkumar Datar by Dr. M.P.Ray, Vice-Principal, SIEM



Lecture delivered by Mr. Ajitkumar Datar



Lecture delivered by Mrs. Asha Datar

INDUSTRIAL VISIT

Huphen Fabricators Pvt Ltd Ambad, Nashik

1. **Event Date:** 18/09/2017 10.00 to 16:00
2. **Event Conduction Duration:** 6 h (10.00 to 16:00 h)
3. **Event Resource Person Details:** Mrs. Suchita Deore [R&D Department- Huphen Fabricators Pvt Ltd Ambad, Nashik]
4. **Number of Students:** 135 students of T.E. (A & B)
5. **About the Visit:** This visit was arranged as per the university syllabus for the T.E. Electrical under the subject of EIMT. This visit was very helpful to the students for the understanding the different electrical installation and maintenance etc.



Figure 1: Group of T.E. (A & B) Students at Entrance of HFPL



Figure 2: Explaining the Process of winding making

CELEBRATION OF Engineer's Day at Department of E&TC Engineering

Date: 15/09/2017

Time: 3:00 to 5:00 PM

At Department of E&TC Engineering students celebrate Engineer's Day on 15th September 2017.

On this occasion students have organized the following events

1. Technical Paper Presentation
2. Quiz Competition
3. MAD Adds.

Respected HOD., Dr. D. P. Patil inaugurated the function. After inauguration above events have been conducted successfully and prizes are distributed to the winner's and runner-ups.





Outcomes:-

1. Students get the platform to show their qualities like leadership, management etc.
2. Students get aware about the qualities in them.
3. Students get inspired from Sir Mokshagundam Visvesvaraya.

GUEST LECTURE ON
“Scenario of Electrical Power Generation”

By Mr. Ajay Netke, Executive Engineer, MSEGCL , Nashik

- Date of the Event - 15/09/2017
- Time of the Event - 03.00 pm to 5:00pm
- Class - S.E. Students (90)

Outcomes of the Lecture:

1. Information related to Indian Electrical Grid
2. Power flow in Electrical Network
3. Generation through various resources
4. Government regulations on power system
5. Working of Power Generation System





-----End of Session-----

Expert Lecture on Scope of Entrepreneurship in Power Sector

Mr.Chinmay Dixit

Director, Prathamesh Electro-Products, MIDC-Ambad, Nashik

- **Date of the Event** - 15/09/2017
- **Time of the Event** - 03.00 pm to 5:00pm
- **Class** - T.E. students
- **Total Strength of Students** - 55

Outcomes:

1. Scope of Electrical engineers in various sectors
2. Importance of starting up self business
3. Government rules related to entrepreneurship
4. Motivation for business ideas





-----End of Session-----

Expert Lecture On “Industrial Approach For Electronics”

Conducted by
Mr Vinay Kumar Sharma
Territory Manager- Nashik
Siemens Ltd (Process Industries & Drives)

Date: 20th September, 2017

OUTCOME:

- 1) Mr Vinay Kumar Sharma guided the students on project selection so as to meet the standards of Industry requirements.
- 2) He also appealed the students of Final year to emphasize on practicing Aptitude tests , group discussions and focus on communication skills in order to survive in the competitive market.
- 3) He appealed the students to have a thorough knowledge regarding all basic concepts of Electronics in order to crack the technical interviews.
- 4) Mr Vinay Sharma also made aware all the students regarding Industrial scenario for aspiring Electronics Engineers with regards to placements.
- 5) He also shared his personal experiences with all students describing his journey from a students to now a Manager at Siemens Ltd.







CELEBRATION OF ENGINEER'S DAY

Date: 15 / 09 / 2017

Name of Event Coordinator: - Prof.P.M.Sutar

Objective: The event was organized by Mechanical Engineering Student Association (MESA) to celebrate Engineers day as a tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. Various competitions like

1. Aptitude test
2. Technical Quiz
3. Debate Competition
4. Marketing (Monopoly)
5. Art Exhibition

Were organized to provide platform for students to showcase their talent. Around 250 students from Mechanical department participated and event was enjoyed by students.

Outcomes: Student got chance to show their talent in various streams including both technical and non technical areas. The Winners of previous years Mini project competition were felicitated and prizes were distributed by Faculty members.





CELEBRATION OF BIRTHDAY OF DR. SARVAPALLI RADHAKRISHNAN

Event Date: - 4th Sept 2017

Name of Event Coordinator: - Prof.P.M.Sutar

Objective: The event was organized by Mechanical Engineering Student Association (MESA) to celebrate Teachers day in remembrance of Dr Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education, known for his contribution towards the education system of India. And to strengthen the bond between teachers and students.

Outcomes: Various activities were conducted by students throughout day ,such as lectures by students for students . Main event consisted of various fun activities involving staff and students. Students showcased their talents through Singing, Dancing, Mimicry and Playing various instruments. The program ended on a very positive note strengthening bonds between students and staff.







अस्तौ मा सद्गमय ।
तमसो मा ज्योतिर्गमय ॥

SANDIP FOUNDATION



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by: Prof. J.sarkar