



Sandip Foundation's
Sandip Institute of Technology and
Research Center, Nashik.

E-Bulletin
February 2018

Staff Co-ordinator:

Prof. Pravin R. Pachorkar (Information Technology)

Student Co-ordinator:

Anuja D. Tupe (TEIT)

Department of Computer Engineering

Event 1/3

Name of Event: Skill Based Training Program on “Aptitude”

Name of Resource Person:

Name of Company: WE Company

- 1) Prakash Tiwari
- 2) Sajan Uchade
- 3) Saurabh Mahajan
- 4) Prashant Karande
- 5) Suchi Manekar
- 6) Rajesh Bonawate

Date : 29th January 2018 To 2nd February 2018

Duration of Course : 10 hrs

Class : TE (A and B) Computer

Venue : “C” Building, Computer Dept., SITRC

Aim :

To train the students on the basis of aptitude and softskill for employability.

Objective:

- To motivate students for training and placement activity.
- To provide guidance to the students from IT industry trainer to focus on employability skills development.
- To avail knowledge for students to crack the aptitude examinations for

placement activity.

Outcomes :

- To getting placed in various companies.
- To interact with IT professional.
- To view their idea in different ways.
- To crack aptitude examinations in professional ways.

No. of Participants : 160

Event Photographs:



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Mr Prakash Tiwari addressing the session - 2



Students attending the session – 1



Expert Faculty taking the session

Event 2/3

Event Name: Expert Lecture on “Various Tools Used in the Field of Computer Graphics”

Aim: Learning about the Various Tools Used in the Field of Computer Graphics

Objective:

1. Apply graphics programming techniques to design, and create computer graphics scenes.
2. Identify and learn about the various computer graphics tools used in the field of computer engineering.
3. Identify core concepts of computer graphics.
4. Create effective programs to create various graphical models and solve graphics programming issues, including 3D transformation, objects modeling, color modeling, lighting, textures, and ray tracing.

Name of Program: Various Tools Used in the Field of Computer Graphics

Venue: “C” Building Computer Engineering Department.

Name of Resource Person: Mr. Manas Gajare (Director – Zabuza Lab, Nashik)

Conducted by: Prof. Rajlakshmi Saner

Audience: TE Students and faculties of Computer Department

Outcomes:

Participants learned:

- 1) The session opens doors to the needs of the world in regards the next generation with regard to the knowledge and creativity.
- 2) Helps people make informed choices in terms of Employability and Growth.

Expert Lecturer was felicitated by Prof Pramod Patil from Computer Department. A student coordinator introduced Expert Lecturer, Mr. Manas Gajare – Director of Zabuza Lab, Nashik. The session was very interactive and lively. Our expert faculty exhibited the various tools developed by their company which are very much demanded in the field of computer graphics. They explained the actual usage and helped the students visualize using the same graphical tools. Session ended up with vote of thanks.

We can conclude from students reply that this lecture has helped them know about the latest graphical devices and tools used by various companies. This knowledge is helpful for training and placement activity, fruitful and one of the best expert lecture as well.

Expert lecture on “ Various Tools Used in the Field of Computer Graphics” was

successfully conducted by Prof Rajlakshmi Saner on 14th February 2018 at 'C' Building – Computer Engineering Department, SITRC. There were around 60 students including both divisions of TE students of Computer engineering.

Total No. Of Participants: 60 Students (TE A and B)

Event Photos



Various Tools Used in the Field of Computer Graphics – 1



Various Tools Used in the Field of Computer Graphics - 2

Various Tools Used in the Field of Computer Graphics – 3



Event 3/3

Topic for Expert Lecture: “Embedded Systems & IOT”

Aim: In Depth study of Embedded Systems & IOT

Objective:

1. To understand fundamentals of IoT and embedded system including essence, basic design strategy and process modeling.

2. To introduce students a set of advanced topics in embedded IoT and lead them to understand research in network.
3. To develop comprehensive approach towards building small low cost embedded IoT system.
4. To understand fundamentals of security in IoT.
5. To learn to implement secure infrastructure for IoT
6. To learn real world application scenarios of IoT along with its societal and economic impact using case studies

Name of Program: Embedded Systems & IOT

Venue: “C” Building Computer Engineering Department.

Name of Resource Person: Mr. Tushar B Kute (MITU Skillogies, Pune)

Conducted by: Prof. Rajlakshmi Saner

Audience: TE Students and faculties of Computer Department

Outcomes:

- Implement an architectural design for IoT for specified requirement.
- Solve the given societal challenge using IoT.
- Choose between available technologies and devices for stated IoT challenge.

Expert Lecturer was felicitated by Prof Sankosh Kumar and Prof Sandip Walunj from Computer Department. A student coordinator introduced Expert Lecturer, Mr. Tushar B Kute (MITU Skillogies, Pune). The session was very interactive and lively. Our expert faculty taught the students of TE about the various concepts in the field of Embedded Systems and IOT. They explained the terms logically which helped the students understand the topic more easily. Session ended up with vote of thanks.

We can conclude from students reply that this lecture has helped them know about the Embedded Systems and IOT and its need in today's market. This knowledge is not only helpful for enhancing the students technical abilities, but also for training and

placement activity since many companies work in the similar field.

Expert lecture on “Embedded Systems & IOT” was successfully conducted by Prof Rajlakshmi Saner on 1st March 2018 at Seminar Hall - 'C' Building – Computer Engineering Department, SITRC. There were around 140 students including both divisions of TE students of Computer engineering.

Event Photos



Prof.Santosh Kumar & Prof.Sandip Walunj felicitating our expert faculty
– Mr Tushar Kute

Mr. Tushar Kute Felicitated by Prof. Santosh Kumar, Prof. Sandip Walunj

Mr. Tushar Kute conducting the Expert Lecture.



Students attending the Lecture.

DEPARTMENT OF ELECTRICAL ENGINEERING

Report on Expert lecture

Event Title: Expert lecture on “Energy Harvesting: Importance and Applications“

Organized by: IEEE student branch and EESA Dept. Of Electrical Engg.

Event Date: 09/02/2018

Resource Person: Dr. Omprakash G. Kulkarni (Scientist, Mentor, Adviser, Technology provider and consulting engineer)

Event Conduction Duration: 2Hrs

Event Venue: IEDC, SITRC

Name of Event Co-ordinator: Prof. S.M. Deshmukh

No of Participants: TE:60 Students and BE: 25 Students

Event Objective and Outcome:

Objective: To creat awareness about renewable energy, importance of enregy harvesting, methods of energy harvesting and its applications

Outcome: Students came to know the importance of energy harvesting, need and importance of energy harvesting and applications of the same

Photographs:



Prof. S.N. Patil (HOD, ES&H dept.) felicitating Dr. O.G. Kulkarni



Aniket Joshi (BE student) introducing to Dr. O.G. Kulkarni



Dr. O.G. Kulkarni guiding to students of TE and BE

Report on workshop

Event Title: One day workshop on " PCB design using Proteus 8 “

Event Date: 10/02/2018

Organized by: EESA, Dept. Of Electrical Engg.

Resource Person: 1) Prof. Vaibhav Joshi (E&TC dept.)

2) Prof. S. M. Deshmukh (Electrical Dept.)

Event Conduction Duration: 6Hrs

Event Venue: Computer lab, Electrical Dept.

Name of Event Co-ordinator: Prof. S.M. Deshmukh

Event Objective and Outcome:

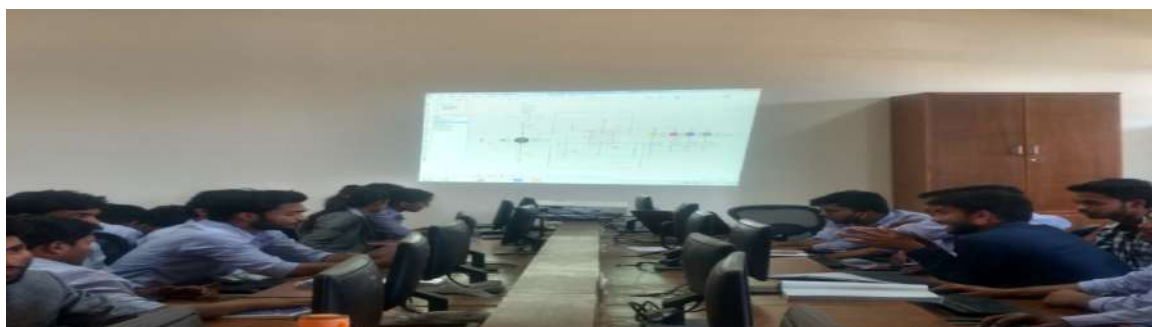
Objective: To introduce to students with the tool used for schematic design as well as PCB layout design

Outcome: Students learnt tool Proteus 8 used for designing schematic, simulation of circuit diagram and PCB layout design

Photographs:



Prof. Vaibhav Joshi providing introduction about PCB design



Students learning schematic design



Students learning layout design for PCB

Report on Inauguration of Art Club

Event Title: Inauguration of “Aakar Art Club“

Organized by: EESA, Electrical Engineering Department.

Event Date: 17th Feb 2018

Event Conduction Duration: 2Hrs , 2.00 pm to 4.00 pm

Event Venue: Administrative Hall, SITRC

Name of Event Co-ordinator: Prof. A.V.Satpute

Event Objective and Outcome:

Objective:

To enhance the art offerings in the classroom

To give further opportunities for the Students to develop his artistic skills to the fullest.

Outcome:

The role of art in a global society.

Exposing the real issues of Society through poster and sketches.

Aakar Art Club Body:

President: Pritesh Bhavsar ,TE

Vice President: Vivek wagh

Co-Ordinator : Mansi Kshirsagar-TE ,Guari Salve-TE, Swati Chaudhari-TE

Photographs



Dr.P.R.Baviskar, Dean Academics, SITRC cutting the Ribbon for Inauguration of Aakar Art Club with other Department HOD's looks on.



Dr.A.Potgantwar, HOD,CSE Dept with Dr.P.G.Burade, HOD, EE Dept inaugurates the poster of Art Club



Students Interacting with the Faculties regarding the sketches

Report on Industrial Visit

Name of Plant: Industrial Visit to Institute of Training and Safety, Eklahare, Nashik

Address: Eklahare, Nashik

Plant Co-ordinator: AE.G.Chakurkar, IT & s, Eklahare

Plant Visit: 28th Feb 2018

Timings: 10.30 am to 3.30 pm

Organized For: S.E, Electrical Engg, SITRC

Name of Staff Visited: 1.Prof. R.B.Sadaphale 2. Prof.S.M.Deshmukh

Visit Co-Ordinator: 1.Prof.A.V.Satpute 2.Prof.D.S.Badgujar

No of Students: SE, 50

Knowledge Concerned With Subject: Power System-I

Objective of Visit:

- To learn basic structure of electrical power systems, various electrical terms related with power system and understand various types of tariffs.
- To understand specifications and applications of major electrical equipment present in power plant.
- To get knowledge of mechanical & electrical design of overhead and underground transmission system.
- To learn representation of transmission lines for performance evaluation.

Outcome of Visit:

7. Students got familiar with various power system setup, equipment used in substations.
8. Students understood the process of power generation, transmission and distribution.
9. Students attained enough knowledge about the type of overhead

conductors, circuit breakers, transformer by practically observing them.



Staff and Students of Electrical Engineering Department, SITRC, Nashik at Institute of Training and Safety, Eklahare, Nashik



Er. Pranjal Hekar explaining the working of Equipment's used in Substation



Report on 132/33 KV Substation Visit to Khaprle , Nashik

Name of Plant: 132/33 KV Substation at Khaprle

Address: Khaprle, Nashik

Plant Co-ordinator: Er. Suraj Kulkarni, Substation In-charge

Plant Visit: 27th Feb 2018

Timings: 10.30 am to 3.30 pm

Organized For: T.E, Electrical Engg,SITRC

Name of Staff Visited: 1.Prof. Vikas Gaur 2. Prof.M.Bishi

Visit Co-Ordinator: 1.Prof.A.V.Satpute 2.Prof.D.S.Badgujar

No of Students: TE, 56

Knowledge Concerned With Subject: Power System-II

Details of Substation: Substation Capacity: 132/33KV, 50MVA Khaprle

Objective of Visit:

- Understand layout of substation
- Understand power transfer in feeders.
- Operation of Plant using PLC & SCADA Software
- Understand various electrical component connection in a substation

Outcome of Visit:

5. Students understood the power transfer from incoming and outgoing in a distribution system

6. Students got aware about the construction, working, and operation, of Switchgear Equipment's in Substation.
7. Sending Power Management



Staff and Students of Electrical Engineering Department, SITRC, Nashik



Er.S.Patil illustrating the various equipment used in Substation



DEPARTMENT OF INFORMATION TECHNOLOGY

Report of “ Intellectual Property Rights and Patenting ”

Name of Program: Seminar Report on “Intellectual Property Rights and Patenting”

Venue: IT Class room ,SITRC.

Conducted by: IT Department

Date of Program: 28th Feb 2018

Audience: TE IT students and Staff Members

Resource Person: Prof. Sushant Pawar, Patent Co-ordinator, E&TC Dept, SITRC, Nashik.

Outcomes : 1. To understand Intellectual Property Rights (IPR).

2.To explore applications of Trademark, Industrial Designs, Copyright and Trade Secret.

3.To understand function of USPTO, EPO.

4.To know the process of filing patent with IPO.

5.To understand the process of copyright and licensing.

Sandip Institute of Technology & Research Center "Department of Information Technology Organized" Seminar on "Intellectual Property Rights and Patenting " for TE-IT students on 28th Feb 2018. The session was conducted by Prof. Sushant Pawar, Patent Co-ordinator, E&TC Dept, SITRC, Nashik at IT Dept, SITRC. Around 50 students attended the Program. The session started with the address of the Head of Department Dr. Pawan Bhaladhare.

The objective of the seminar is to make the Students aware of What is Intellectual Property Rights and Patents and how it can be used. Some of the topics discussed are as follows:

1. What is Intellectual Property Rights
2. Types of IPR.
3. What is Patent and Importance of Patents
4. What can be Patented
5. How to file patent application.
6. Type of patent application
7. Indian Patents and International patents

Some Glimpses of the session is as follows:



Prof. Janhavi Borse Addressing the Session



Felicitation of Resource person by Dr Pawan R. Bhaladhare



Students attending the session

Report of “ Recent Trends In IT ”

Name of Program: Seminar Report on “ Recent Trends In IT”

Venue: IT Class room ,SITRC.

Conducted by: IT Department

Date of Program: 28th Feb 2018

Audience: SE IT students

Resource Person: Akshay Sonawane, SITRC, Nashik.

Outcomes :1. To understand new trends in Market

2.To explore applications of Cloud computing

3.To understand tools like Open CV

Sandip Institute of Technology & Research Center "Department of Information Technology Organized" Seminar on " Recent Trends In IT " for SE-IT students on 28th Feb 2018. The session was conducted by Akshay Sonawane,Nashik at IT Dept, SITRC. Around 50 students attended the Program.

The objective of the seminar is to make the Students aware of Recent Trends In IT, Some of the topics discussed are as follows:

1. Cloud Computing
2. Open CV
3. Amazon AC3
4. Artificial intelligence

Some Glimpses of the session is as follows:



Report of “Recent Advances in Internet of Thing (IOT)”

Name of Program: Workshop on “Recent Advances in Internet of Thing (IOT)”

Venue: Mechanical Seminar Hall,SITRC.

Conducted by: IT Department

Date of Program: 9th - 10th February 2018

Audience: Staff From Various Institutes

Resource Person: 1. Dr. Mayuri Mehta, Professor, Sarvajanic College of Engineering and Technology, Surat.

.Dr. Mahesh R. Sanghavi, Professor, Head, Computer Engineering, SNGB's COE, Chandwad

.Dr. Hitesh Chhinkaniwala, Associate Professor & Head, Info & Comm Technology, Adani Institute of Infrastructure Engineering (AIIE), Ahmedabad.

.Mr. Chintan Patel, Research Scholar, PDP University, Gandhinagar.

Outcomes : 1) Introduction to IOT

2) Distributed Data Processing in IoT

3) Introduction to IoT and its Applications

4) Importance of Lightweight Authentication in the IoT

5) Database Programming & Networking

6) Big Data and IoT

7) Cyber Security Challenges in IOT Applications

Sandip Institute of Technology & Research Center "Department of Information Technology Organized" Workshop on "Recent Advances in Internet of Thing (IOT)" for the participants from 9th Feb-10th Feb 2018. The training program was conducted by Dr. Mayuri Mehta ,Dr.

Mahesh R. Sanghavi, Dr. Hitesh Chhinkaniwala, & Mr. Chintan Patel at Mechanical Seminar Hall, SITRC.

Around 30 participants attended the Program, Event started with the address of the Head of Department Dr. Pawan Bhaladhare has given all the information about the training program to the participants.







Department of Mechanical Engineering

Report of Expert Lecture on, “Kyoto Protocol & Carbon Trading”

- **Title of Event** : Kyoto Protocol & Carbon Trading
- **Date** : 29th Jan. 2018
- **Duration** : 11:00 am - 12:30 pm (one and half hour)
- **Guest Speaker** : Mr. M. M. Kulkarni
Chartered Engineer and consultant in industrial safety,
Founding Director - AIM Enviro and Environment Knowledge
Center, Nashik.
- **Venue** : Seminar Hall, Mechanical Engg. Deptt.
- **Coordinators** : Prof. S.V. Kasar & Prof. P.S. Garudkar
- **Associated staff** : Prof. J. N. Yadav
- **Organized by** : Prof. V. A. Kolhe
- 9. **Participants** : Students of B.E. (Mechanical)

10. Objectives of Activity:

To educate the final year students about internationally set emission control norms.

To instill the bifocal aspects of industrial emission control mechanisms amongst the engineers of next generation.

11. Outcomes of Activity:

.Basic motivation behind setting up Kyoto Protocol and recent amendments incorporated

were well received by the audience.

.Students realized the clout of earning carbon credits for Indian industries.

8. Description of the Event:

Air pollution control has been always seen critical area for all kinds of industries across the world. Stringent norms are enforced by the Authorities and International Agencies for power plants. This thrust has been well apprehended in the course of “Power Plant Engineering” designed for final year students studying Mechanical Engineering. In this endeavor, a convivial lecture of Mr. M. M. Kulkarni was organized. Mr. Kulkarni has proactively engaged himself in the consultancy under his established flagship of AIM Enviro since 1991. He is also environment enthusiast. To this end, he has set up and flourished Environment Knowledge Center in Nashik. In his spellbound talk, he refreshed the fundamentals of greenhouse effect and thereby the mechanism of global warming. He shared his practical experiences of his latest tour to Antarctica. Considering the global warming potential of different effluents from commercial and industrial exercises, the emphasis was made on the equivalence of carbon emissions. The features of international agreement, named Kyoto Protocol, as per UN framework convention on climate change were elaborated. Implications of the recent amendments on developing countries like India were put forth. Carbon trading along with air pollution control emerged out as a bifocal opportunity for Indian industries. Students posed their questions regarding international issues and methodology of carbon trading. The speaker answered to the audience to their satisfaction.

Prof. V. A. Kolhe organized the event through constant interaction with the guest speaker. Prof. S.V. Kasar took up anchoring of the session and Prof. P.S. Garudkar made all administrative arrangements of resources for smooth conduction in the Mechanical Engineering Department.



Photograph 1: Prof. V. A. Kolhe & Prof. Relkar felicitating Mr. Kulkarni, Guest Speaker



Photograph 2: Mr. Kulkarni elaborating ISO standards for energy management