

**EXPERT LECTURE CONDUCTED IN
SESSION 2016-17**

Title of topic : Applications of FEA

Expert Name & Address: Mr. Vivek

Associate Vice President(Solize Company, Bangalore)

Mob. No.- 9481784088

Date of Conduct: 5th May'2017

Participant: VI Semester Students (AY 2014-15)

No. of Students attended: 95

Objective : To make students familiar with the basics of FEA , software and its applications.

Brief Description: The speaker discussed the basics of FEA, its applications and demonstrated the structural problem on software

Outcome: Understanding of FEA basics, its applications and analysis of problems on software.



Title of topic : Bridging the gap between Academia and Industry

Expert Name & Address: Mr. Parimal Priyadarshi (Founder Brain Storming Lab LLP , Bangalore)
e-mail: igniteindians@gmail.com
Mob.No: 7349573993

Date of Conduct: 17th April'2017

Participant: IV Semester (AY 2015-16)and VI Semester Students (AY 2014-15))

No. of Students attended: 69

Objective : To make students familiar with the current trends followed in industry for better job opportunities in future. Importance of practical knowledge with the theoretical.

Brief Description: The speaker discussed the need of industry in terms of competent manpower and how academia can bring the desired skill sets.

Outcome: Understanding of current trend followed in industry for future employment



Title of topic : Nuclear Power

Expert Name & Address: Mr. Pushpendra Singh Dhakrey
(Scientific Officer BARC)
e-mail- pushpendradhakrey@gmail.com
Mob. No: 9652573307

Date of Conduct: 17th January'2016

Participant: VI Semester Students (AY 2014-15)

No. of Students attended: 47

Objective : To make students familiar with the peaceful application of nuclear energy for power generation.

Brief Description: The speaker discussed briefly about the advance research and development at BARC. He focused on the applications of nuclear energy for power generation and safe disposal of nuclear waste.

Outcome: Understanding peaceful application of nuclear energy for power generation

Title of topic : Power Generation Technologies (Thermal Power Plant)

Expert Name & Address: Mr. Prakash (Retd. Senior Manager NTPC, Dadri)

e-mail:kprakash70@gmail.com

Mob. No: 9971889652

Date of Conduct: 12th November'2016

Participant: V Semester Students(AY 2014-15)

No. of Students attended: 94

Objective : To understand principle and working of thermal power plant.

Brief Description: The speaker discussed the experience working with NTPC Dadri. He focused on the working of different power plants with diagrammatic representation. He also discussed the future growth in power generation for better efficiency and profit.

Outcome: Understanding principle and working of thermal power plant.



Title of topic : Piping Design

- Expert Name & Address:** Mr. Krishna Pratap Singh(Marketing Head, Expert Inglobe Pvt. Ltd.
e-mail: krishnapratap@gmail.com
- Date of Conduct:** 21st October'2016
- Participant:** V Semester Students(AY 2014-15)
- No. of Students attended:** 94
- Objective :** To make students familiar with the plant layout and design of piping system.
- Brief Description:** The speaker discussed the knowledge and skills required to design the piping system.
- Outcome:** Understanding Engineers role in design and engineering of process plant layout and piping system.

Title of topic : Work shop on HVACE Design and Drafting

Expert Name & Address: Mr.Veer Shankar (HOD Mechanical,
SOFCON Noida)
e-mail: veer.shanker@sofcontraining.com
Mob. No: 9873684099

Date of Conduct: 1st September'2016

Participant: V Semester Students(AY 2014-15)

No. of Students attended: 52

Objective : To make students familiar with the heating, ventilation and air conditioning technology used for human comfort.

Brief Description: The speaker discussed the HVACE system. Importance of knowledge of thermodynamics, fluid mechanics and heat & mass transfer required to design HVACE system. He demonstration the working of refrigeration cycle on refrigeration kit.

Outcome: Understanding of basic principles of HVACE system.



**EXPERT LECTURE CONDUCTED IN
SESSION 2017-18**

Title of topic : Manufacturing of Internal Combustion Engine

Expert Name & Address: Mr. Sunny Kumar
Robotics Engineer (Harley Davidson Motor Company, Haryana)
Mob. No.- 8950312323

Date of Conduct: 3rd August '2017

Participant: Vth Semester Students (AY 2015-16)

No. of Students attended: 62

Objective : To make students familiar with the basics of internal combustion engines.

Brief Description: The speaker gave brief overview of manufacturing of Harley Davidson Bikes. Briefly explained the internal combustion engine parts and working.

Outcome: Understanding of internal combustion engine parts and working.



Title of topic : Shipment Planning and Execution

Expert Name & Address: Ms. Monika Dua
Export Executive (Oakay Tools)
Mob. No.: 7696440066
e.mail: monikaverma9@gmail.com

Date of Conduct: 4th August'2017

Participant: V Semester Students (AY 2015-16)

No. of Students attended: 56

Objective : To make students familiar with the basics tool manufacturing and shipment

Brief Description: The speaker briefed about the different divisions in Oakay tools for tool manufacturing. She also discussed the basics of tool manufacturing and shipment.

Outcome: Understanding of tool manufacturing and shipment



Title of topic :Nuclear Power Generation

Expert Name & Address: Mr. Sanjeev Bhardwaj
Engineer (NPCIL, Narora)
Mob. No.- 9412858754
e mail: SANJEEV_NAPS2007@YAHOO.CO.IN

Date of Conduct: 5th August'2017

Participant: Vth Semester Students (AY 2015-16)

No. of Students attended: 53

Objective : To make students familiar with nuclear power technology.

Brief Description: The speaker discussed increase of nuclear power generation capacity in the country, consistent with available resources in a safe, economical and rapid manner.

Outcome: Understanding of nuclear power technology and importance of environment protection measures related to nuclear power generation.



Topic of Discussion : Curriculum gap between Institute and Industry

Expert from Institute: 10 Nos.

Expert From Industry: 17 Nos.

Date of Conduct: 8th August '2017 (In two shifts from (9.00-10.00am & 11.00-12.00pm)

Objective : To bridge the curriculum gap between Academia and Industry for better employment opportunities.

Suggestion:

Experiments should be more practical based.

- Student should use more advanced machine for practice purpose.
- Quality like Team work, Punctuality, attitude towards work, sincerity etc should be inculcated at the college level.
- Technical as well as management skills are very much required at the starting level as well at advanced level.
- More focus should be given to Engineering Design subjects
- For becoming Entrepreneur, proper planning, networking, contacts, technical and managerial skills are very much required.



Topic of Discussion : Curriculum gap between Institute and Industry

Expert from Institute:

1. Dr. Mamatha TG (Prof. & Head)
2. Dr. Rajesha S (Prof. & Dean R & D)
3. Dr. Ramesh SP (Professor)
4. Dr. Prashant Chauhan (Asso. Prof.)
5. Dr. Suvnandan Saraswat(Asso. Prof.)
6. Mr. Navneet Kumar Pandey (AP-3)
7. Mr. Gaurav Jain (AP-3)
8. Mr. Navin Kumar Jha(AP-3)
9. Mr. Rajesh Bajaj (AP-3)
- 10.Mr. Vishnu Tiwari (AP)

Expert From Industry:

1. Mr. Ambuj Dayal Koncept Automobiles Pvt. Ltd.
2. Mr. Ravi Kant Verma E-Solutions
3. Mr. Sanjeev bhardwaj NPCIL
4. Ms. Monika Dua Daykay Tools
- 5.Mr. Shri Krishnan Gupta ISGEC Heavy Engineering
- 6.Mr. Shashi Nath Maruti Suzuki India Ltd.
7. Ms. Shipra Rana Cummins India Ltd.
8. Mr. Sourabh Kumar Jha VOLTAS Ltd.
- 9.Mr. Sayeed Bittoo Samsung Engineers

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| Date of Conduct: | 5 th May'2017 |
| Participant: | VI Semester Students (AY 2014-15) |
| No. of Students attended: | 95 |
| Objective : | To make students familiar with the basics of FEA , software and its applications. |
| Brief Description: | The speaker discussed the basics of FEA, its applications and demonstrated the structural problem on software |
| Outcome: | Understanding of FEA basics, its applications and analysis of problems on software. |

Title of topic : Power Generation Technologies (Thermal Power Plant)

Expert Name & Address: Mr. Dinesh Khandelwal
Sr. Manager (NTPC Khargon, Indore)
Mob. No.-

Date of Conduct: 8th August'2017

Participant: Vth Semester Students (AY 2014-15)

No. of Students attended: 92

Objective : To understand general layout , principle and working of thermal power plant.

Brief Description: The speaker discussed the experience working with NTPC Indore. He briefed about the layout of plant, principle and working with diagrammatic representation. He made aware with world electricity generation and Indian Electricity generation data. He also discussed the ash analysis and future growth in power generation for better efficiency and profit.

Outcome: Understanding principle and working of thermal power plant.
Contribution of coal in Indian electricity generation and importance of ash analysis



Title of topic : Shipment Planning and Control

Expert Name & Address: Mr. T.D.Mahesh (Procurement & Energy Analyst, Air Liquide Large Industries)

Date of Conduct: 11th September'2017

Participant: Vth Semester Students

No. of Students attended: 62

Objective : To understand `approach & dealing with different industries for providing solutions to the industrial requirement.

Brief Description: The speaker discussed the experience working with Air Liquide Large Industries. He also discussed that how they provide customers with industrial gas and energy solutions that are vital to their own industrial productions ..

Outcome: Understanding of the approach to provide solution to industries according to their requirement.



Title of topic : Importance of Vibration Analysis in Industry

Expert Name & Address:

Prof. Jyoti Sinha

Professor & Program Director

Reliability and Asset Management

Mechanical & Aeronautical Engineering Division

University of Manchester, UK

Date of Conduct:

7th November'2017

Participant:

Vth & VIIth Semester Students

No. of Students attended:

35

Objective :

To understand Importance of Vibration Analysis in Industry

Brief Description:

The speaker discussed the importance of vibration analysis in industry. He focused on the approach for vibration analysis. He also emphasized on vibration measurements and analysis during commissioning to resolve the problems related to the machine installation. He also discussed opportunities for higher studies in this field at University of Manchester .

Outcome:

Understanding of the approach and analysis of vibration and its monitoring

Title of topic : Importance of Vibration Analysis in Industry

