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SESSION JANUARY - JUNE 2016

DEPARTMENT OF MECHANICAL ENGINEERING



WORKSHOPS



FDP / STC



INDUSTRIAL VISITS



**SEMINAR &
CONFERENCE**



GUEST LECTURES



**SUMMITS &
CONCLAVE**

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WORKSHOP
INFO

WORKSHOPS

Workshop on "Introduction To Robotics"

- 5th & 6th February 2016
- Organised by e-Yantra, IIT Bombay

QIP Workshop on "Experiments for Robotics Class"

- 13th February 2016
- Indian Institute of Technology, Roorkee

Workshop on Virtual Lab

- 19th February 2016
- Organised by IIT Delhi

Workshop on "Ergonomics"

- 17th March 2016
- Organised by Dr. Reddys lab

Two days Workshop on "INTRODUCTION TO ROBOTICS"



A two day workshop on "INTRODUCTION TO ROBOTICS" was organised by IIT – Bombay at MGM, Noida on 5th and 6th February, 2016. The objective of the workshop was to train teachers in the basic concepts of embedded systems and Micro-controller programming through e-Yantra Lab Setup Initiative (e-LSI). The teachers trained through the program can utilise the knowledge for developing student projects on Robotics.

Faculty member Mr. Midhun Chithambaran & Ms. Nisha Bhatt of Mechanical Engineering Department attended the workshop.

QIP Workshop on "Experiments for Robotics Class"



A one day workshop on Experiments for Robotics Class was organized by Indian Institute of Technology, Roorkee under Quality Improvement Programme (QIP) for Engineering College teachers.

The workshop was designed with following objectives :

1. Introduce robotics to professionals.
2. Introduce latest modeling and simulation tools used in robotics.
3. Introduce different types of robots through which robotics concepts can be explained.
4. List of experiments and tentative lab manual for the robotics lab.

Prof. DV Bhise, Head of Department Mechanical Engineering attended the workshop.

Workshop on "Virtual Lab"



Indian Institute of Technology, Delhi with an initiative of (MHRD) organized a Workshop on 'Virtual Labs' on 19th February, 2016

The objective of the workshop was to provide remote-access to Laboratories in various disciplines of science and engineering for students at all levels from under-graduate to research. .

Ms. Nisha Bhatt, Assistant Professor of Mechanical Engineering Department attended the workshop.

"Workshop on Ergonomics"



A workshop on "Ergonomics" was organized by DGI, Greater Noida in association with Dr. Reddys lab on 17th March 2016. The objective of the workshop was to create awareness among the students & faculty about correct gestures & postures to avoid injuries that happen due to physical stress & strain.

Dr. Mandeep Singh, an Orthopedician working in Escorts Hospital, New Delhi was the resource person for the workshop. Faculty member of ME Department attended the workshop.



Faculty Development Programmes/ Short Term Courses

**FDP on "PRODUCT LIFECYCLE
MANAGEMENT" SIEMENS (INDIA)
PVT LTD, GURGAON**

- 10TH May 2016.
- Organised by Siemens PLM Software (India) Pvt. Ltd.

"CNC Training Program"

- 21st - 22nd May 2016
- Organised By Hytech Educational Equipments, Pune

**"Materials And Processes For High
Temperature Applications"**

- 6th-10th June 2016
- Conducted by IIT Roorkee.

“PRODUCT LIFECYCLE MANAGEMENT” SIEMENS (INDIA) PVT LTD, GURGAON



A one day faculty development program on “PRODUCT LIFECYCLE MANAGEMENT” (PLM) was organized by Siemens PLM Software (India) Pvt. Ltd. on 10TH May 2016. The objective of the FDP was to introduce participants to the current technologies and trend in manufacturing industry and applications of PLM software developed by Siemens in manufacturing industry.

Mr. Gaurav Siwal, Assistant, Department of Mechanical Engineering, DGI, Greater Noida attended the program.

“CNC Training”



A short term course (STC) on “CNC Training” was organized by HYTECH EDUCATIONAL EQUIPMENTS, PUNE on 21 & 22 May 2016. The objective of the STC was to impart practical know-how to the participants. The training was quite interactive and very helpful for Programming and Controlling of CNC machines. The knowledge gained from the training will be useful for training of the students and make them understand the working of CNC Machines.

Mr. Anurag Sharma, Assistant Professor, Department of Mechanical Engineering, participated in the STC.

“MATERIALS AND PROCESSES FOR HIGH TEMPERATURE APPLICATIONS”



A one week short term course (STC) on “MATERIALS AND PROCESSES FOR HIGH TEMPERATURE APPLICATIONS” was organized by IIT ROORKEE, from June 6 to June 10, 2016. The objective of the course was to provide the knowledge of materials like alloys, composites and ceramics for higher temperature applications and their processes to the participants .

Mr. Gaurav Siwal, Assistant Professor, Department of Mechanical Engineering, participated in the STC.

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Industrial Visit

Visit to Auto Expo-2016

• 5th February 2016

Industrial visit to Hero Motor Corporation Limited (HMCL)

• 16th April 2016

Industrial visit to Hans Seeds

• 19th April 2016

Visit to "Open House 2016"

• 23rd April 2016

Visit to Auto Expo-2016



34 Students of VI semester, Mechanical Engineering Branch, visited Auto expo 2016, at IEML, Greater Noida on 5th February 2016. The event was organised by Society of Indian Automotive Manufacturers (SIAM). During the expo students got a chance to visualise latest developed engines & models of bikes & cars. Students acquired knowledge about some of the best technologies in the field of automotives.

Prof. D.V. Bhise, HOD-Mechanical Engineering and Mr. Gaurav Siwal, Assistant professor from Mechanical Engineering Department accompanied students during the visit.

Industrial visit to Hero Motors Corporation Limited (HMCL), Dharuhera



21 Students of VI semester, Mechanical Engineering Branch, visited Hero MotoCorp Ltd. Dharuhera on 16th April 2016. The objective of the visit was to make students aware about various stages of two wheeler manufacturing. Students first visited the machine shop where they were shown the CNC machines for milling, drilling and broaching operations on engine parts. Students were also introduced to the concept of flexible manufacturing system (FMS), robotics and Total Productive Management (TPM). Students took keen interest in knowing the processes & equipment used by the plant to produce two-wheelers. The theoretical concepts of the students were turned into practical know-how after visiting the plant.

Mr. Rahul Verma and Mr. Gaurav Siwal, Assistant Professor from Mechanical Engineering Department accompanied students during the visit.

Industrial visit to Hans Seeds Pvt. Ltd. Ghaziabad



35 Students of VI semester, Mechanical Engineering Branch, visited Hans Seeds Pvt. Ltd. Ghaziabad on 19th April 2016. The objective of the visit was to make students aware about various refrigeration technologies used in India for Cold storage of food & dairy products.

"Hans Seeds Pvt. Ltd." is engaged in providing cold storage & frozen storage services for dairy products, butter, chocolate, dry fruits, vegetables, ice cream, and other food items.

Faculty members Mr. Anurag Sharma and Ms. Priyanka, from Mechanical Engineering Department accompanied students during the visit.

Visit to "Open House 2016"



Mr. Gaurav Siwal, Assistant professor, along with 15 Students from Mechanical Engineering Branch, visited "Open House 2016" organised by Indian Institute of Technology on April 23rd, 2016. The objective of the visit was to acquire knowledge about innovative ideas & projects made by students from different parts of the country.



Seminar/Conference

**Embracing Technology:
Transforming India (i-Bharat)**

- 11th January 2016.
- Organised by FICCI, New Delhi .

**“Sustainable Solid Waste
Management – An Innovative
Approach (NCSSWM-2016)”**

- 15th January 2016
- Dronacharya College of Engineering, Gurgaon

**LATEST ADVANCES IN TECHNOLOGY,
MANAGEMENT AND APPLIED
SCIENCES- LATMAS 2016?**

- 20th February 2016
- Organised by IIMT, Greater Noida.

**Third National Seminar on Higher
Education: What India Needs?**

- 18th March, 2016
- Organized by Centre for Education Growth & Research (CEGR)

**Modern Technology in Bentley
Software**

- 29th February 2016
- Indian Institute of Technology, New Delhi

Embracing Technology: Transforming India (i-Bharat)



An International Conference – i-Bharat with the theme of “Embracing Technology: Transforming India” was organised on 11th January 2016 at Federation House, New Delhi . The Objectives of the conference were to engage stakeholders in exchanging views on effective implementation of ICT and to understand the role of ICT and challenges of Sustainable Development Goals (SDG).

Ms. Shivangi Maheshwari, Assistant professor, Department of Mechanical Engineering, DGI, Greater Noida attended the program.

“Sustainable Solid Waste Management – An Innovative Approach (NCSSWM-2016)”



A National Conference on “Sustainable Solid Waste Management – An Innovative Approach” was held at Dronacharya College of Engineering, Gurgaon on 15th January 2016. The objective of the conference was to bring together experts from industry and academia to exchange their innovative ideas and share their experience in the field of Sustainable Solid Waste Management.

Prof. T. Bothichandar, Professor, Department of Mechanical Engineering presented a research paper in the conference.

LATEST ADVANCES IN TECHNOLOGY, MANAGEMENT AND APPLIED SCIENCES- LATMAS 2016



An International conference on “Latest Advances In Technology, Management and Applied Sciences” was organized by IIMT, Greater Noida on February 20th 2016. The aim of the conference was to present latest research work and reviews in the field of technology, management and applied sciences to the engineering & technology fraternity.

Mr. Gaurav Siwal, Assistant, Department of Mechanical Engineering, DGI, Greater Noida presented a paper in the conference.

Modern Technology in Bentley Software



A seminar on “Modern Technology in Bentley Software” was organised by Indian Institute of Technology (IIT) Delhi on February 29th 2016. The session was oriented towards the importance and usage of the software launched by company in multi-disciplinary fields such as Micro Setting, Aero 3D pro, Staad Pro etc.

Mr. Aishwarya Sharma, Assistant Professor along with 10 students from Mechanical Engineering Branch, DGI, Greater Noida attended the program.

Third National Seminar on Higher Education: What India Needs?



“Third National Seminar on Higher Education: What India Needs?” was organized by Centre for Education Growth & Research (CEGR) on 18th March 2016 at India International Center, New Delhi. The seminar was graced with the presence of following dignitaries: *Dr. Manpreet Singh Manna* Director - AICTE, *Dr. Arun Kumar* Honourable Member of Parliament, *Prof. (Dr.) V P S Arora* President - CEGR and Vice Chancellor - Shri Venkateshwara University, *Mr. Lokesh Mehra* Vice President - CEGR and Director (Education Services).

Dronacharya Group of Institutions, Greater Noida was appreciated as the *Best College for Innovation*. The award was handed over by AICTE Director *Dr. M.S. Manna* and Hon'ble M.P. *Dr. Arun Kumar* during seminar.



Guest Lectures

**A Guest Lecture on
Entrepreneur development,
Innovation and patenting**

• 5th January 2016

**Guest Lecture on 'Next
Generation Internal Combustion
Engines for Automobiles'**

• 5th April 2016

Guest Lecture on Entrepreneur development, Innovation and patenting



Department of Mechanical Engineering organised an expert lecture on 'Entrepreneur development, Innovation and patenting'. The Lecture was thrivingly delivered by *Dr. Saurabh Kwatra, Technical head (International Innovation, Bangalore)* on January 5th, 2016. During the session Dr. Saurabh Kwatra talked about facts of patenting and patenting ideas & presented several examples that suited his explanation on patenting ideas. Dr. Kwatra explained innovation by dividing the analyzing method of any technical system into two categories, the first one being Much Useful Function (MUF) and the second being Mass, Dimensions and Energy Consumed (MDE).

Mr. Ankush Yadav Assistant Professor Department of Mechanical Engineering, coordinated the program.

Guest Lecture on 'Next Generation Internal Combustion Engines for Automobiles'



Department of Mechanical Engineering organised an expert lecture on 'Next Generation Internal Combustion Engines for Automobiles'. The Lecture was delivered by *Dr. P M V Subbarao, Professor, Mechanical Engineering Department, IIT Delhi* on April 5th, 2016. The objective of the lecture was to abreast students about next generation automobile engines and advancement in the field of automobile technologies. In the span of four hours, the participants were divulged to conceive how different mechanical engineering subjects are connected to each other. Students were also briefed that how to look at the problems in competitive examinations as per conceptual point of view.

Prof. D V Bhise, Head of Department, Mechanical Engineering, coordinated the program.



Summit/Conclaves

Panel Discussion on Filing Patents "National Design & Research Foundation"

- 12th-13th January 2016
- Organised by National Design & Research Foundation

Clean Tech Summit-2016

- 10th June 2016
- Organized by Confederation of Indian Industries CII

Panel Discussion on Filing Patents at National Design & Research Foundation, Bangalore



Two days panel discussion on project development and filing the patents was organized by NDRF at Institution of Engineers Karnataka State Center (IEKSC) on 12th and 13th January, 2016 in which discussions on different projects and project ideas were held with the experts from NDRF. The discussion opened new gateways for students & faculty who are devoted to research and innovation.

Faculty member Mr. Ankush Yadav & Mr. Anurag Sharma of Mechanical Engineering Department, Dronacharya Group of Institutions, Greater Noida attended the event.

Clean Tech Summit" 2016,



Confederation of Indian Industries (CII) organized 2nd edition of "Clean Tech Summit" 2016 at hotel "Radisson Blue", Sector 18 Noida on 10th June 2016. The objective of the summit was to discuss the core issues and best practices for water and waste water management and solar energy in Western part of Uttar Pradesh. Eminent academicians, secretarial staff and industrialists participated in the high level interaction.

Mr. Rahul Verma, Assistant Professor, Mechanical Engineering attended the summit.