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SESSION JULY - DECEMBER 2016

DEPARTMENT OF MECHANICAL ENGINEERING



WORKSHOPS



FDP / STC



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WORKSHOP
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WORKSHOPS

Workshop on Basics of IPR & Commercialization of Technology for Start-Ups and Incubates

- 8th July 2016
- Organized by *CII & MSME*

Workshop on "Mold making & Casting by Innovative Engineers in collaboration with MSME-TDC, Agra"

- 20th July 2016
- Conducted by *MSME, PPDC-TDC Agra*

ICT Workshop on Preparing Students for Job Interviews

- *12th August 2016*
- Conducted by *NITTTR, Chandigarh*

Introduction to CNC and CNC Training Program

- 25th & 26th October 2016
- Conducted by *MSME, PPDC TDC, Agra*

Workshop on "Vehicle Design and Dynamics"

- 18th & 19th November 2016
- Organised by *DGI SAE INDIA Collegiate Club*

Workshop on Basics of IPR & Commercialization of Technology for Start-Ups and Incubates



A workshop was organized by CII & MSME at MSME-DI, New Delhi on 8th July 2016 pertaining to IPR and Commercialisation of Technology for Start-Ups and Incubatees. Advisor (R&D), Prof. TPN Singh and students of DGI, Greater Noida namely Kameshwar Goel, Ashwani Kumar Rathore, Dron Sharma and Ankur of ME attended the workshop. Mr. Anjan Das, Executive Director, CII gave the welcome address. Mr. R. K. Panigrahi, Director, MSME, Development Institute, Delhi gave the key note address.

Workshop on "Mold making & Casting by Innovative Engineers in collaboration with MSME-TDC, Agra"



A one day workshop on "Mold making & Casting" was organised by Innovative Engineers in collaboration with MSME_TDC, Agra at Dronacharya Group of Institutions, Greater Noida on 20th July 2016. The workshop was conducted in following phases:

1. Sand Preparation
2. Making mold cavity
3. Melting of Metal
4. Pouring of Molten Metal

Prof. D V Bhise, Head of Department along with faculty members Department of Mechanical Engineering attended the workshop.

ICT Workshop on Preparing Students for Job Interviews



National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh conducted a ICT Workshop on Preparing Students for Job Interviews on 12th August 2016 for final year students. The program was organized at Dronacharya Group of Institutions, Greater Noida through ICT and was attended by 51 students from Department of Mechanical Engineering, DGI. The workshop was inaugurated by Dr. P. K. Tulsj, Head of the Department of Education and Educational Management, NITTTR, Chandigarh. She stated the objectives of the workshop and explained about the Professional Skill and Communication Skill that are required for a job.

Introduction to CNC and CNC Training Program



A Two days training program on "Introduction to CNC and CNC Programming" under the aegis of CoESM (Training partner of MSME, Govt. of India) was organized at Dronacharya Group of Institutions, Greater Noida on 25th & 26th October, 2016. The objective of training program was to acquaint students with CNC Lathe and its functioning as well as to master programming technique. 30 students from Department of Mechanical Engineering participated in the training program. Mr. K.C. Verma, CNC Trainer, MSME, PPDC TDC, Agra was the main instructor for the training program. Mr. Anurag Sharma, Assistant Professor, DGI coordinated the program.

Workshop on "Vehicle Design and Dynamics"



DGI SAEINDIA COLLEGIATE CLUB organized a workshop on *Vehicle Design and Dynamics* on *18th & 19th November, 2016*. *Mr. Gaurav Singh* and *Mr. Ashwini Sharma* from *Association of Innovation and Mectra Engineers (AIME) India* were the resource persons for the workshop. 36 students from B.Tech (ME) attended the workshop. The objective of this workshop was to help participants to learn concepts of designing and manufacturing which would groom their technical skills and promote interest in them.



Faculty Development Programmes/ Short Term Courses

Two days FDP on "LATEX"

- *11th & 12th July 2016*
- *Conducted by Spoken Tutoria, IIT Bombay*

***Four Weeks STC on "Use of ICT
in Education for Online and
Blended Learning"***

- *2nd May - 10th July 2016*
- *Organised by IIT Bombay*

Two days FDP on "LATEX"



A two day Faculty Development Program on "LATEX" on 11th & 12th July 2016 was organised by Dronacharya Group of Institutions & conducted by *Spoken Tutorial Project* a brainchild of *Prof. Karan Mudgalya* nurtured by *National Mission on Education through ICT (NMEICT)*, MHRD, Government of India. It is a 'Talk to a Teacher' activity developed by IIT Bombay, Government of India. The objective of the Faculty Development Program was to develop document writing skills.

LaTeX is a high-quality typesetting system; it includes features designed for the production of technical and scientific documentation. LaTeX is the de-facto standard for the communication and publication of scientific documents. Ms. Shivangi Maheshwari, Asst. Professor, Department of Mechanical Engineering coordinated the program.

"Four Weeks AICTE approved FDP on"Use of ICT in Education for Online and Blended Learning"



Four weeks AICTE approved FDP on "Use of ICT in Education for Online and Blended Learning" was organized by IIT Bombay, during 2nd May -10th July 2016 Through the session Participants have got hands-on experience of various tools for conducting in-class & out-of the class activities by using ICT. Knowledge gained through the FDP will definitely help participants in using the ICT more effectively for benefit of the studentsobjective of the STC was to impart practical know-how to the participants. Prof. D V Bhise, Head of Department, Mechanical Engineering Branch, Coordinated the STC.

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Industrial Visit

National Small Industries Corporation (NSIC)

• 5th August 2016

Micro Small & Medium Enterprises (MSME)

• 26th August 2016

Multitex Filtration Engineers Ltd.

• 26th August 2016

Renewable Energy India Expo 2016

• 8th September 2016

Industrial Visit to Multitex Filtration Engineers Ltd, Greater Noida

• 9th September, 2016

Industrial Visit Essco Sanitations Pvt. Ltd.

• 26th September 2016

National Small Industries Corporation (NSIC)



Visit to National Small Industries Corporation (NSIC), Okhla, New Delhi was organised on 5th August 2016. 50 Students of III & V semester, Mechanical Engineering Branch attended the visit. The visit was planned in such a way so as to give maximum practical exposure to the students. Students got a chance to see latest innovations developed by NSIC. Mr. Gaurav Siwal & Ms. Priyanka, Assistant professor from Mechanical Engineering Department accompanied students during the visit.

Micro Small & Medium Enterprises-TDC, Agra



An industrial visit to *MSME - TDC at Agra* was organized by Mechanical Engineering Department of *Dronacharya Group of Institutions, Greater Noida* for 2nd and 3rd year students on *26th August 2016*. Thirty seven students of ME Department along with two faculty member *Mr. Brijesh Verma and Mr. Gaurav Siwal* visited the place to acquire knowledge on modern machinery in manufacturing sector. The aim of the visit is to make awareness about latest trends in manufacturing field and demonstrate potential and futuristic technology in the field of working machinery, industrial automation and material handling together with production aids.

Multitex Filtration Engineers Ltd, Greater Noida



ISTE Student Chapter, Dronacharya Group of Institutions Greater Noida organized an industrial visit to *Multitex Filtration Engineers Ltd. Greater Noida* on 26th August 2016. 25 students along with *Prof. T Bothi Chandar*, Professor Department of Mechanical Engineering, *DGI, Greater Noida* visited the industry. *Multitex Filtration Engineers Ltd., Greater Noida* started with a small capital and with dedicated team strength of Engineers. It started with providing Design, Engineering & Manufacturing services to the Filtration & Separation Industry. Multitex provides its customers complete package including Process, Mechanical, instrumentation, Feedback & Control & Electrical, from single vendor, the company prepared itself to set up a new workshop.

Renewable Energy India Expo 2016



20 Students of V semester, Mechanical Engineering Branch, visited REI expo 2016, at IEML, Greater Noida on September 8th, 2016. During the Expo students attended a conference themed "Renewables: Surging ahead". The Sessions of the conference were taken by Ministry of New and Renewable Energy (NMRE). A Panel discussion was also held under the aegis of International Solar Alliance. Students visited number of stalls where Innovative solar technologies were displayed. Students got to know about emerging technology developed by various Industries operating in the field of solar power. Mr. Gaurav Siwal, Assistant professor from Mechanical Engineering Department accompanied students during the visit.

Industrial Visit to Multitex Filtration Engineers Ltd, Greater Noida



An industrial visit to *Multitex Filtration Engineers Ltd.*, Greater Noida was organized by ISTE Student Chapter for the students of Mechanical Engineering Department, *Dronacharya Group of Institutions*, on *9th September 2016*. 27 students along with Prof. T Bothichandar, Department of Mechanical Engineering visited the Industry. *Capt A.K.Tiwari (Retd)*, Senior General Manager & *Mr. Manjeet Singh*, Senior Manager in Quality. Multitex Filtration Engineers Ltd, Greater Noida welcomed the students and briefed them about Multitex Filtration.

Industrial Visit Essco Sanitations Pvt. Ltd.



Dronacharya Group of Institutions, Greater Noida organized an *Industrial Visit to "ESSCO Sanitation Pvt. Ltd."* on *26th September 2016*. Faculty member *Mr. Rahul Verma* along with twenty - two Mechanical Engineering students (V Semester), *DGI, Greater Noida* visited the site. The main objective of the visit was to make students aware of the process involved in the manufacturing of the bath fittings which they could correlate with the theoretical aspects of the subjects they have been taught so far.



Seminar/Conference

**National Conference on
Energy Security for India-
Creating a Biofuel Economy**

- *10th July 2016*
- *Vigyan Bhawan, New Delhi*

**National Conference on
Intellectual Property Rights
(IPR) 2016**

- *16th & 17th December 2016*
- *PHD Chamber of Commerce & Industry,
Delhi*

National Conference on “Energy Security for India- Creating a Biofuel Economy” , Vigyan Bhawan, New Delhi



National Conference on “Energy Security for India- Creating a Biofuel Economy” was organized by Ministry of Petroleum & Natural Gas at Vigyan Bhawan, New Delhi on the occasion of World Biofuel Day on 10 August 2016. The event was inaugurated by Hon’ble Union Minister of State for Power, Coal, New and renewable energy & Mines, Sh. Piyush Goyal and Hon’ble Minister of State for Petroleum and Natural Gas, Sh. Dharmendra Pradhan. Ms. Nisha Bhatt, Asst. Prof. (ME) DGI, Greater Noida along with students Ashwani Kumar Rathore, Mohit Choudhary and Aman Srivastava of Mechanical Engineering attended the conference.

National Conference on Intellectual Property Rights (IPR) 2016, PHD Chamber of Commerce & Industry, Delhi



The PHD Chamber of Commerce & Industry organized a National Conference on Intellectual Property Rights (IPR) on 16 & 17 December 2016. The objectives of the Conference was to sensitize the participants on issues of IP Enforcement, Piracy, Counterfeiting, Copyright Violation etc. and to deliberate on accessing and using IP information for further R&D in developing new products and processes for developing business strategies.

Prof. D V Bhise, Department of Mechanical Engineering, Dronacharya Group of Institutions, Greater Noida attended the conference.



Guest Lectures / Sessions

QEEE Session on "Bending and Stresses in Beams - Strength of Materials"

- 16th, 19th and 23rd August 2016
- Conducted by IIT Madras

QEEE Session on "GEAR : Kinematics and Dynamics of Machinery / Theory of Machines"

- 9th, 14th and 20th September 2016
- Conducted by IIT Madras

Guest Lecture on "How to Crack GATE & PSUs Exam by Mr. Sandeep Kumar, Scientist, ISRO"

- 7th October 2016
- Conducted by ISRO

Guest Lecture on "Hydrological Design: Basics and Applications" by Dr. A.K Keshari, Professor, IIT Delhi

- 18th October 2016
- Conducted by IIT Delhi

QEEE Session on *“Bending and Stresses in Beams - Strength of Materials”*



QEEE Session on *“Bending and Stresses in Beams - Strength of Materials”* was conducted by IIT Madras under D2S (Direct to Student) Program at Dronacharya Group of Institutions, Greater Noida on 16th, 19th and 23rd August 2016. IIT Professor, *Dr. Abhijit Sarkar* took the session. The session was coordinated by *Mr. Anurag Sharma* from Department of Mechanical Engineering. The session was a part of quality enhancement in education, an open learning platform provided exclusively by IIT-Madras.

QEEE Session on *“GEAR : Kinematics and Dynamics of Machinery / Theory of Machines”*



QEEE Session on *“GEAR: Kinematics and Dynamics of Machinery / Theory of Machines”* was organized by IIT Madras under D2S (Direct to Student) Program at Dronacharya Group of Institutions, Greater Noida during 9th, 14th and 20th September 2016. The session was conducted by *Dr. Abhijit Sarkar*, Professor, IIT Madras. 3rd and 4th Year Mechanical Department Students attended the session. The session was coordinated by *Mr. Brijesh Verma*, Assistant Professor (ME), DGI, Greater Noida. The course pack was a part of quality enhancement in education, an open learning platform provided exclusively by IIT - Madras.

Guest Lecture on "How to Crack GATE & PSUs Exam by Mr. Sandeep Kumar, Scientist, ISRO



Department of Mechanical Engineering organised an expert lecture on 'How to Crack GATE & PSUs Exam on 7th October 2016. The Lecture was delivered by Mr. Sandeep Kumar, Scientist, ISRO. During the session Mr. Sandeep explained that one of the biggest thumb-rules while preparing for the GATE exam is to refer to past question papers. The objective of organizing the lecture was to apprise students about right methodology to be adopted for the preparation of GATE and PSU Exams. Mr. Harshit Kumar Assistant Professor Department of Mechanical Engineering, coordinated the program and students of ME Department attended the lecture.

Guest Lecture on "Hydrological Design: Basics and Applications" by Dr. A.K Keshari, Professor, IIT Delhi



Department of Mechanical Engineering organised an expert lecture on 'Hydrological Design: Basics and Applications' on 18th October 2016. The Lecture was delivered by Dr. A.K. Keshari, Professor, Civil Engineering Department, IIT Delhi. During the session Dr. Keshari explained the hydrologic system model for determining the discharge from a catchment area, the different hydrological processes which includes the precipitation, infiltration and evapotranspiration etc., governing equations- continuity, momentum and energy equations for determining flow of water on the surface and through the soil. Prof. D V Bhise, Head of Department, Mechanical Engineering, coordinated the program.



Summit/Conclave

India-UK Tech Summit 2016

- 7th-9th November 2016
- Organised by Confederation of Indian Industry (CII)

Entrepreneurship Educator Program-2016

- 21st -23rd December 2016
- Organised by Wadhvani Foundation & National Entrepreneurship Network (NEN)

INDIA-UK TECH SUMMIT 2016, HOTEL TAJ PALACE, DELHI



India-UK Tech Summit 2016 was organized jointly by Confederation of Indian Industry (CII) and Department of Science & Technology, Government of India in the presence of, Sh. Narendra Modi, H'ble Prime Minister of India and H'ble Prime Minister of UK, Rt. Hon Theresa May from 7th -9th November 2016 at Hotel Taj Palace, New Delhi. The TECH Summit was a blend of trade expo, thought leadership, business-to-business conclave and a celebration of this unbeatable combination, providing a forum for business, a space for new connections, and a showcase of future technologies. Prof. D V Bhise, Head of Department, Mechanical Engineering Branch, Dronacharya Group of Institutions, Greater Noida attended the summit. Dronacharya Group of Institutions participated in AICTE – CII Survey of Industry-linked Technical Institutes 2016 in which Department of Mechanical Engineering of DGI, Greater Noida was ranked in Platinum Category with a score band of >30.

Entrepreneurship Educator Program-2016, BIMTECH, Greater Noida



Wadhvani Foundation & National Entrepreneurship Network (NEN) organised a Entrepreneurship Educator Program-2016 at BIMTECH, Greater Noida on 21st -23rd December 2016 . Mr. Ankush Yadav, Assistant Professor, Mechanical Engineering Branch attended the program.



Other Events

"INGENIUM 2016"

- 19th September 2016
- Organised by Quest Global Engineering Services, Bangalore

Engineeria-2016

- 19th September 2016
- Conducted by CADD Center, Dwarka

An Awareness program on Free Open Source Software (FOSS)

- 30th September, 2016
- Conducted by IIT Bombay

"INGENIUM 2016"



A national level project competition "INGENIUM 2016" was organized by Quest Global Engineering Services. project titled "Advanced Agro-Robot" made by student of VII semester Mechanical Engineering Branch was shortlisted from 8060 projects for demonstration & display on 19th September at Hotel Park Plaza, Bangalore. The projectees were awarded with participation certificate during the competition.

Engineeria-2016, CADD Center, Dwarka



National Design Competition on Engineeria-2016 was organised by Dronacharya Group of Institutions, Greater Noida in Association with CADD Centre, Dwarka on 19th February 2016 National design competition is a platform open to all the students from Civil Engineering, Architecture, Mechanical, Automobile, Industrial Production, and Product Design for displaying their talents in digital design skills. Students from Mechanical Engineering Branch participated in the competition .

An Awareness program on Free Open Source Software (FOSS)



An Awareness program on Free Open Source Software (FOSS) was conducted in collaboration with IIT Bombay under Spoken Tutorial Project at Dronacharya Group of Institutions, Greater Noida on 30th September, 2016. The objective of organizing the program was to spread awareness about Spoken Tutorial activities & associated benefits to the academic fraternity. Ms. Shivangi Maheshwari, Assistant Professor, Department of Mechanical Engineering coordinated the workshop.