

Details of Activities of ME (MAINTENANCE) Department



"Design & Drafting of 2D modelin AutoCAD"

AIM OF THE ACTIVITY

The aim of this Minor Activity was to Judge the designing skills of the students and motivate them to opt knowledge related to Machine parts design and applications of software based designing.

RULES OF THE ACTIVITY

S.No	Rule s
1.	It is an individual Activity, One PC will be allotted to each Student/Participant.
2.	No one is allowed to change his/her allotted PC once activity gets started.

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3.	No one is allowed to leave the room before completion of the event.
4.	You need to make your own prepared 2D design in the provided AutoCADworkspace.
5.	If not prepared any design, then 2D design will be shown to you on projectorscreen.
6.	You can also bring your own laptop, if you have installed AutoCad software.
7.	Keep your bags outside Computer Lab, no one is allowed to carry any notebook, any paper.
8.	Keep your mobiles in silent or switched off mode.
9.	Judge's decision will be the final decision.

NAME OF JUDGES

- 1) Dr. Bhaskar Gupta (Dean, Academic)
- 2) Mr. Rajeev Ranjan (HOD CE)

3) Mr. Hitesh Rohilla & Mr. Samit Kumar

Learning Outcomes of the Activity:

Upon completion of the activity students were able to:

- > To gain design oriented knowledge.
- > To understand applications of Designing Softwares.
- > Use cognitive and motor cells of brain.
- > Generate creative, scientific and technical skills.
- > To develop awareness related to designing events.
- > Attain confidence in dsign & drafting of 2D models.

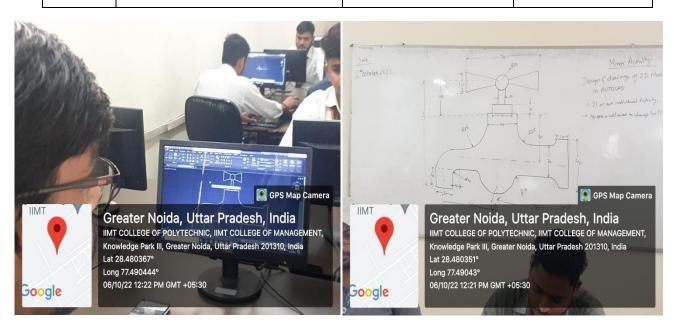
S.No.	Student Name	Branch & Year	Positio n
1.	Pankaj Kumar	ME(P)-2nd Year	1st

WINNER'S OF THE ACTIVITY

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2.	Natik Sharma	ME(M)-3rd Year	2nd
3.	Manoj Kumar & Rehan Khan	ME(P)A-2nd Year	3rd









Industrial Visit Report

Sub: Industrial visit in "Sofcon India PVT. LTD., B-5 Sector 2, Noida.

ME Faculty Members went for visit: Mr. Samit Kumar

Mr. Kamal Kishor Sharma

The industrial visit was held on 05 January 2023. Initially there was an oral presentation on the domestic and global opportunities for the diploma students & various other aspects of the Mechanical industry in India & abroad. There were eminent personalities like <u>Mr. Avesh Bhatnagar</u>, who graced the occasion with their presence.

They also shed light on the various policies & steps taken in the direction to flourish the mechanical Industry & make it compete with the international market.

Thereafter at 11:15 AM we divided two groups of students were taken to the Industrial Automation working of pneumatic and hydraulic system, Industry requirements on terms of technical skill one by one. Company was involved in training of different courses related to Mechanical design engineering and piping design drafting.

At our industrial visit students were able to learn about the following points:

- Introduction of Mechanical design engineering.
- Working of Hydraulic and Pneumatic pipe its feature.
- Safety norms for industry work.
- 5S for Housekeeping.

At around 1.10pm visit was over. We left for college.





IIMT College of Polytechnic, Greater Noida







Online quiz on Intellectual property rights & Entrepreneurship

An activity was organized by the Mechanical Engineering (Maintenance) department on 29th Mar, 2023. This activity was based on online quiz related to Intellectual property rights & Entrepreneurship in which there was 20 Multiple Choice Questions. Each question was of one mark. Duration of the quiz was 30 minutes.

Registration Link: <u>https://forms.gle/hopRkUpThDueVUBt9</u>.

Quiz Link: https://forms.gle/RNuXCSuRyu72wmVi9

This activity was free of cost.



Total Registration -109 Participants- 099

Date of Activity: 29th March 2023 Time: 11:00-12:00pm



Objective:

- The aim of this Minor Activity was to Judge the thinking skills of the students and motivate them to utilize knowledge related to Intellectual property rights and applications in future use.
- Quiz is about nature of IPR, IP Law of India copy right, patents searching and support from government for IP protection and explained how to search patent, how to apply for a patent.
- By this quiz students also got idea that how to appear in online competitive exam.
- Students also developed their time management skill by this online quiz.

Final Result:

Details of Winner Participants

S.No.	Name of S students	Position
01	Harsh Pal (ME-1 M)	1st
02	Kanhaiya (ME-P-2A)	2 nd
03	Abhishek Bhati (ME-3M)	3 rd



Event Report

An event was organized by Mechanical Engineering Department on 7th April, 2023 on "**DISCUSSION ON CAUSES OF UNEMPLOYMENT**".

No. of Students	:	15
No. of Faculties	:	6
Timing of Event	:	11:30 AM to 12:30 PM

Objective: The objective of the event was to encourage students to participate and share their perspectives on the issue of unemployment. The event aimed to create an interactive platform for students and faculties to discuss and analyze the various causes of unemployment, and explore potential solutions and strategies to mitigate the problem. The event sought to provide students with an opportunity to engage in meaningful dialogue on a critical issue that affects their future career prospects.



Brief Write up on the Programme / Event: The participants identified lack of skills, inadequate education, and economic policies as the primary causes of unemployment. Lack of skills was identified as a significant factor as industries require specific skills, and the current education system may not be adequately equipped to impart these skills.

To address these challengesseveral solutions were proposed such as reforming the education system to make it more practical and job-oriented. They also stressed the need for providing vocational training programs, internships, and apprenticeships to help students gain practical experience and skills. Focus on

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improving the collaboration between industries and academic institutions to bridge the gap between education and industry requirements was recommended.

Conclusion: Through a productive and interactive discussion, the participants identified several key causes of unemployment, including lack of skills and inadequate education. The event also proposed practical solutions, such as reforming the education system and improving collaboration between industries and academic institutions.

Feedback:The event received positive feedback from the participants, who appreciated the interactive and engaging format. The participants felt that the event provided valuable insights and practical solutions to address the issue of unemployment.









Industrial Visit Report

Sub: Industrial visit at "Global Autotech Pvt. Ltd. 3D, Udyog Vihar, Ecotech-II Greater Noida Uttar Pradesh".

Faculty Members went for visit: Mr. K P Singh Dhania

Mr. Anil Kumar

The industrial visit was held on 05th May 2023. Initially there was an oral presentation on the domestic and global opportunities for the diploma students & various other aspects of the Mechanical industry in India & abroad. There were eminent personalities like Mrs. Shraddha Shukla, who graced the occasion with their presence. A workshop was conducted by the staff members to brief about company Vision, role, policies, product, turnover, safety, etc.

After short tea break the visit was started with company staff. Thereafter at 4:15 PM students were divided into two group each group were guided by company staff throughout plant visit. They brief about the machines working and product manufacturing.

After plant visit a pleasant session was taken by the CEO of the company and with their staff. They motivated a lot to the students and also brief about the future of mechanical engineering Automation, electric vehicles etc.

At 4:45 PM the visit was over. We left to college from company.

At 5:00 PM we reached at IIMT campus.

At our industrial visit students were able to learn about the following points:

- Manufacturing of automobile parts through CNC machines.
- Storage and packaging of inventory.
- Safety, health and environment.
- Quality control and 5S for Housekeeping









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Details of Activities of ME (Production) Department

PPT PRESENTATION ON INNOVATIVE IDEA AND RECENT TECHNOLOGY

An activity was organized by the Mechanical Engineering (Production) department on 30th Sep, 2022. This activity was based on ppt presentation on innovative and recent technology. Innovation is the practical idea implementation of ideas that result in the introduction of new goods or services or improvement in offering goods or services. Innovation often takes place through the development of more-

effective <u>products</u>, processes, <u>services</u>, <u>technologies</u>, <u>art</u> works or <u>business</u> <u>models</u> that innovators make available to <u>markets</u>, <u>governments</u> and <u>society</u>. Innovation is related to, but not the same as, <u>invention</u>, innovation is more apt to involve the practical implementation of an invention.

Details of all Participants

S.No.	Name of Team	Idea of Team
01	Arun Maurya and Team	Waste plastic to fuel
02	Suhel and Team	Indian Robotic Bird
03	Monu Sharma and Team	Future of electric Vehicle
04	Ujjwal Gautam and Team	Biomass to energy potential





Final Result

- 1. Monu Sharma and Team (ME- 2nd)
- 2. Suhel and Team (ME-3rd)
- 3. Ujjwal Gautam and Team (ME-3rd)







Industrial Visit Report

Sub: Industrial visit in "Sofcon India PVT. LTD., B-5 Sector 2, Noida.

ME Faculty Members went for visit: Mr. Samit Kumar

Mr. Kamal Kishor Sharma

The industrial visit was held on 05 January 2023. Initially there was an oral presentation on the domestic and global opportunities for the diploma students & various other aspects of the Mechanical industry in India & abroad. There were eminent personalities like <u>Mr. Avesh Bhatnagar</u>, who graced the occasion with their presence.

They also shed light on the various policies & steps taken in the direction to flourish the mechanical Industry & make it compete with the international market.

Thereafter at 11:15 AM we divided two groups of students were taken to the Industrial Automation working of pneumatic and hydraulic system, Industry requirements on terms of technical skill one by one. Company was involved in training of different courses related to Mechanical design engineering and piping design drafting.

At our industrial visit students were able to learn about the following points:

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- Working of Hydraulic and Pneumatic pipe its feature.
- Safety norms for industry work.
- 5S for Housekeeping.

At around 1.10pm visit was over. We left for college.











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Name of Activity – Speech Competition on importance of G-20 Summit



Registration Link - https://forms.gle/XGL8YNdRMmUuKsns9

AIM OF THE ACTIVITY

The aim of a speech competition is to provide an opportunity for speakers to improve their speaking abilities, to recognize individual student as an encouragement to all, and to provide an opportunity for all students to learn by observing speakers. Each contest focuses on a particular set of skills, providing a terrific opportunity to learn about a specific area of communication. Topic chosen for this speech competition is related to current issue which is going on in our country i.e **G-20 Summit** The G20 New Delhi Summit will be chaired by the Indian Prime Minister, <u>Narendra Modi</u>.

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India's presidency began on 1 December 2022, leading up to the summit in the third quarter of 2023. The presidency handover ceremony was held as an intimate event, in which the G20 Presidency gavel was transferred from Indonesian President Joko Widodo to Indian Prime Minister Narendra Modi at the close of the Bali summit. Indonesia held the presidency in 2022.

NAME OF JUDGES

- 1) Mr. Tribhuwan Singh (Coordinator ME-M)
- 2) Mrs. Nishu Sharma (Faculty ME-P)
- 3) Ms. Rajiv Ranjan Singh (HOD Civil Engg)

DATE OF ACTIVITY : 03/04/2023 COORDINATOR OF THE ACTIVITY: Mr.Banty Kumar NUMBER OF REGISTRATIONS: 12 Students

LEARNING OUTCOME OF THE ACTIVITY

Upon completion of the activity students were able to:

- Able to present their views on given topic
- Get the other student's filled awareness
- Attain confidence after taking presentation
- Interaction with audience.

WINNER'S OF THE ACTIVITY

S.No.	Student Name	Branch & Year	Position
1.	Manoj Kumar	ME-2P	1 st
2.	Monu Sharma & Pankaj	ME-2P	2nd

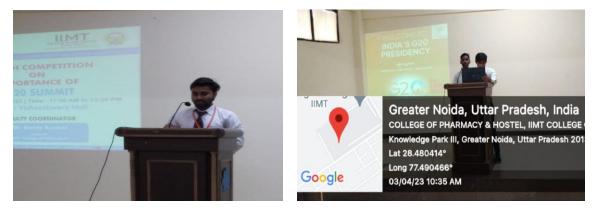
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3.	Kanhiya	ME-2P	3rd











Industrial Visit Report

IIMT College of Polytechnic organized a one day Industrial visit to "**RGI MEDITECH PVT. LTD, Sector 63, Noida**" on 28, April'2023 for diploma ME-P students. On arrival at the company, Admin-HR of the company welcomed the students. A presentation session was held to discuss the company. They also explained the manufacturing process of medical hygienic products. There were eminent personalities like <u>Mr.Vikash Srivastava and Ms.Jyoti</u>, who graced the occasion with their presence.

The students visited the company and enjoyed the watching of manufacturing process. They also shed light on the various policies & steps taken in the direction to flourish the mechanical Industry & make it compete with the international market.

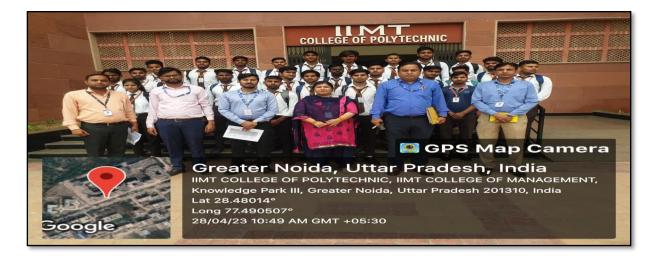
This exposure will definitely help the students to gain real time knowledge of what they have been learning theoretically or practically.

At our industrial visit students were able to learn about the following points:

- Production process of medical hygienic products.
- Quality control of products
- Packaging and dispatching of products.







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PPT PRESENTATION ON BUSINESS IDEA DEVELOPMENT 2022-23

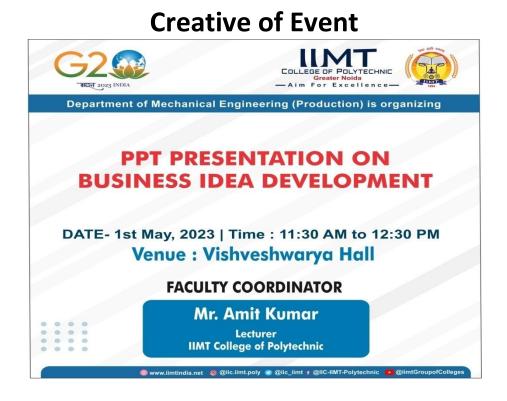
The department of Mechanical Engineering (Production) IIMT College of Polytechnic, Greater Noida has organized a PPT presentation on Business Idea development for students .

Students from 2nd year and 3rd year have been participated in this competition as presenter as well as audience.

Objective of this competition is develop a business idea by student and to convert the idea into a real business.

Learning and Outcome of the Completion-

- 1. Students are able to learn how to make PPT presentation.
- 2. PowerPoint saves time and energy—once the presentation has been created, it is easy to update or modify for other courses.
- 3. PowerPoint is portable and can be shared easily with students.
- 4. PowerPoint supports multimedia, such as video, audio, images.



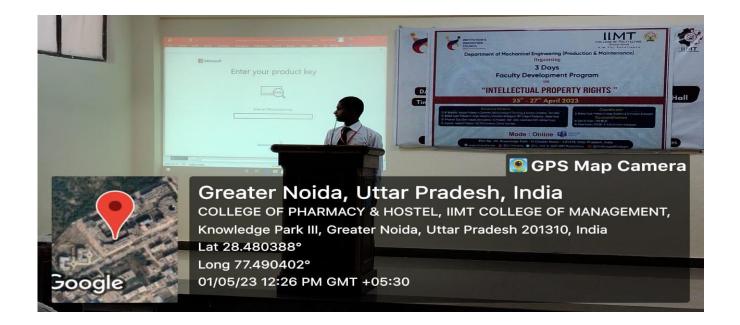
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	Details of all Participants				
<u>S.No.</u>	Name of Team	Idea of Team			
01.	Mohit and Team	To provide a online employment platform for skilled person's and for services holder's			
02.	Monu Sharma and Team	The Rise of vertical farming			
03.	Manoj Kumar	Agriculture how to improve our culture			
04.	Md. Zaid Choudhary	Biomass to energy potential			
05.	Rehan Khan	Waste Plastic to fuel (Zero Pollution Conversion Technology)			

Final Result

- Mohit and Team (ME- 2^{nd}) 1.
- Manoj (ME- 2nd) 2.
- Monu Sharma and Team (ME- 2nd) 3.









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PROJECT EXHIBITION CUM EXHIBITION

Date :June 23, 2023

Timings :10 a.m to 4:30 p.m.

Statistics:

Sr No	Data	Number
1	Total Number of Team Participated	19
2	Total Number of students Registered	68
3	Judges	3

Committee Members :

Sr. No	Name	Duties
1.	Prof .Umesh Kumar	Director
2.	Dr. Suresh Prasad	Event co-ordinator
3.	Mr Pawan Kumar	Organising Committee
4.	Mr Tribhuwan Singh	Organising Committee
5.	Mr Dhermendra Kumar Sharma	Organising Committee
6.	Mr Rajeev Ranjan Singh	Organising Committee

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OBJECTIVES OF EVENT:

• To enhance student's knowledge and talent, research orientation and unstopped potential.

- To provide a platform for healthy competition between various discipline.
- To prepare future generation of engineers to be innovative leaders, responsible citizens and problem solvers.

• To innovate society oriented student projects to solve the existing technical problems faced by all fields in the society.

• To make students aware about the current trends in Technology

OUTCOMES OF THE EVENT:

• Provides substantial benefit to the society out of these innovative projects.

- The competitive spirit generated in this competition enthuse the students to try untouched areas of research and development.
- kindle to excel and venture in industrial sectors more confidently applying both theoretical knowledge and technical thoughts.

DETAILS:

IIMT College of polytechnic, Greater Noida conducted a project cum model exhibition-2K23 on 23rd June, 2023. The inauguration was done by Dr. J.K. Sharma, Executive Director, IIMT group of colleges, Greater Noida. PROJECT EXHIBITION CUM EXHIBITION-2K23 received overwhelming response of 19 groups. The project areas included from Mechanical, Electrical and Civil Engineering . Panel of judges included

• Dr Vijay Salve, Dean R&D, IIMT Group of Colleges, Greater Noida



• Dr Ravikant Prasad , HOD (EC & EE), LIET, Grater Noida

• Mr Krishna Kumar Karothiya HoD, ME IIMT College of Engineering Greater Noida

TOTAL THREE PRIZES WERE GIVEN

• First Prize : Department of Electrical Engineering ,IIMT College of Polytechnic, Group-12

Rs- 3000

• Second Prize: Department of Civil Engineering, IIMT College of Polytechnic, Group -18

Rs- 2000

• Second Prize -

• Third Prize : Department of Mechanical Engineering (Maintenance) Group -05













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