



**Dr. Akhilesh Das Gupta Institute of Technology & Management,
New Delhi**

Department of Mechanical Engineering

List of Activities August 2021- July 2022

Sr. No.	Organized Activity	Date of event
1	Webinar on Smart Grid Technology	7 august 2021
2	Webinar on Fusion 360	20 August ,2021
3	Alumni talk “My Journey to IIM-L”	3 September 2021
4	Webinar on Scope in Mechanical Engineering	15 September. 2021
5	Expert talk on Multifunctional material modelling: Future Prospective for Structural Application	24 September 2021
6	Webinar on Introduction to BCN3D FFF Printers with unique IDEX (Independent dual extruder) Technology	4 December 2021
7	Webinar on " Machining (Production) in Mechanical Department".	8 December 2021
8	Entrepreneurship Awareness Programme	24 February 2022
9	Alumni Talk	13 April 2022
10	Industrial Visit	28 th & 29 th April 2022



A REPORT

**Dr. Akhilesh Das Gupta Institute of Technology & Management,
New Delhi**

Title: Webinar on Smart Grid Technology.

Dated: 7 August 2021

Department: Mechanical Engineering

Virtual platform: Google meet

Objectives: The key role of this guest lecture was on to make students aware about smart grid technology, and how it can be helpful in managing power supply sector by minimizing losses of transfer in electricity.

Speaker: Ms. Kamini Singh, a Research Scholar (Indian Institute of Technology, Kanpur)

Activities Undertaken:

The entire Guest Lecture comprised of introduction of speaker, understanding of smart grid technology and how it can be used for power sector.

Outcome: The entire session was focused on the relevance of continuous Research & Development in smart grid technology and its application in power supply sector and optimizes power supply flow.

Beneficiaries: 2nd year, 3rd year and final year students.

Photographs:

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT
Formerly known as Northern India Engineering College
FC-26, Shastri Park., New Delhi, 110053

BBD GROUP

Department of Mechanical Engineering
Organizes
WEBINAR
On
Smart Grid Technology

BY
Ms. kamini Singh
Research Scholar
Department of industrial and Management
Engineering
IIT Kanpur
on
7 August 2021 (Saturday)
1:30 PM onwards

Ms. Kamini Singh
IIT kanpur

Introduction to Smart Grid Technology

Kamini Singh
Research scholar, IIT Kanpur
INDIA Fellow, IIT Kanpur (2017)
Award Fellow, IIT Kanpur (2018)
Fellow of Energy Regulatory
Commission of India
Research Fellow
IIT Kanpur

Ms. Kamini Singh is presenting

1:29 PM | Webinar on smart grid technology



A REPORT

Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi

Title: Webinar on Fusion 360

Dated: 20th August, 2021

Department: Mechanical Engineering

Virtual platform: Google meet

Delegates/ Speakers: Mr. Prashant Kundani (Capriccoat Technologies)

Activities Undertaken:

The entire Guest Lecture was divided into three sessions.

First session – Introduction of AUTO-DESK fusion 360.

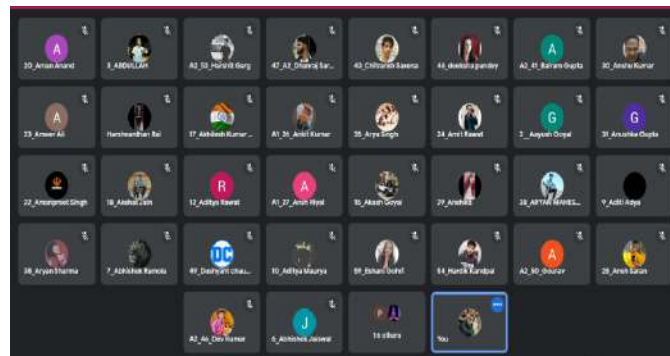
Second Session – Commands used in AUTO- DESK 360.

Third Session – Applications of AUTO- DESK fusion 360.

Outcome: The way fusion 360 helps to animate your designs, render objects, simulate loads, prepare models for CNC machining. Platform is used for designing and prototyping their products, as Fusion 360 offers CAD, CAM, and CAE possibilities.

Beneficiaries: Mechanical II Year Students.

Photographs: Attached with File





A REPORT

Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi

Title: Alumni talk “My Journey to IIM-L”

Dated: 3 September 2021

Department: Mechanical Engineering

Virtual Platform: Google meet

Objectives: The key points of this session was to make students understand how to go for higher studies through CAT, its preparation and career opportunities opened after MBA.

Delegates/ Speakers: Mr. Ankit (2014-2018 Batch MAE)

Activities Undertaken:

The entire Guest Lecture was divided into three sessions.

First session – introduction of Mr. ANKIT, his journey

Second Session – how to do preparation for CAT.

Third Session – requirements of industries and options available after completion of MBA from IIMs.

Outcome: The entire session was focused on how to prepare for CAT and get in to top IIMs, requirements for industries through human capital, options available after completion of MBA from top B schools.

Beneficiaries: Mechanical II Year Students.

Photographs: Attached with File

Dr. Akhilesh Das Gupta Institute of Technology & Management
New Delhi
(formerly Northern India Engineering College)
Approved by AICTE and Affiliated to GGSIPU, New Delhi

Department of Mechanical Engineering
Organizes
Alumni Talk
on
"My Journey to IIM L"
03 September 2021
2:00 pm onwards

join us on Google Meet

Ankit
Batch 2014-2018(MAE)
Currently Pursuing MBA
from IIM Lucknow

<https://adgitdelhi.ac.in>

ANKIT is presenting

What is your Plan?

2:03 PM | gic-cvrs-pm



A REPORT

Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi

Title: Webinar on Scope in Mechanical Engineering

Dated: 15 Sept. 2021

Department: Mechanical Engineering

Virtual platform: Google Meet

Objectives: The key point of webinar was scopes in mechanical engineering, core sector opportunities after B.Tech or get into Top engineering colleges for further higher study.

Speakers: Mr. C Seravan Kumar (Senior faculty member at ACE Engineering Academy)

Activities Undertaken:

The entire Guest Lecture was divided into Three sessions.

First session – introduction of ACE academy and milestones achieved by students,

Second Session – option opened after clearing GATE/PSUs

Third Session – how to start preparation with resources available (online/offline).

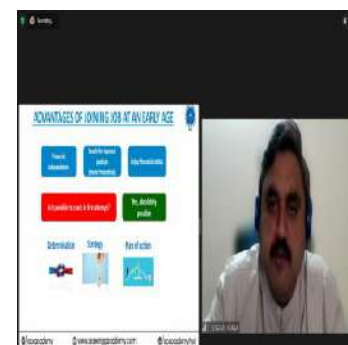
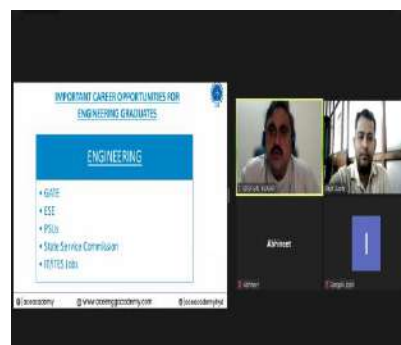
Outcome: The entire session was focused on scopes of mechanical engineering, different career options after completion of B.Tech and the way to get in to research field after B.Tech.

Minute to Minute program

- Students gathering at virtual platform at 11.00 am.
- Student's Attendance and discussion regarding scope of mechanical engineering.
- ICT Based Session
- Interactive Session at 01.30 pm

Beneficiaries: Mechanical 2nd, 3rd and final year Students.

Photographs:





A REPORT

Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi

Title: Expert talk on Multifunctional material modelling: Future Prospective for Structural Application

Dated: 24 Sept. 2021

Department: Mechanical Engineering

Virtual platform- Google Meet

Objectives: To make students understand about structural research in field of structural materials, multifunctional material modelling.

Delegates/ Speakers: Dr. Poonam Kumari Associate Professor ,Department of Mechanical Engineering , IIT Guwahati.

Activities Undertaken:

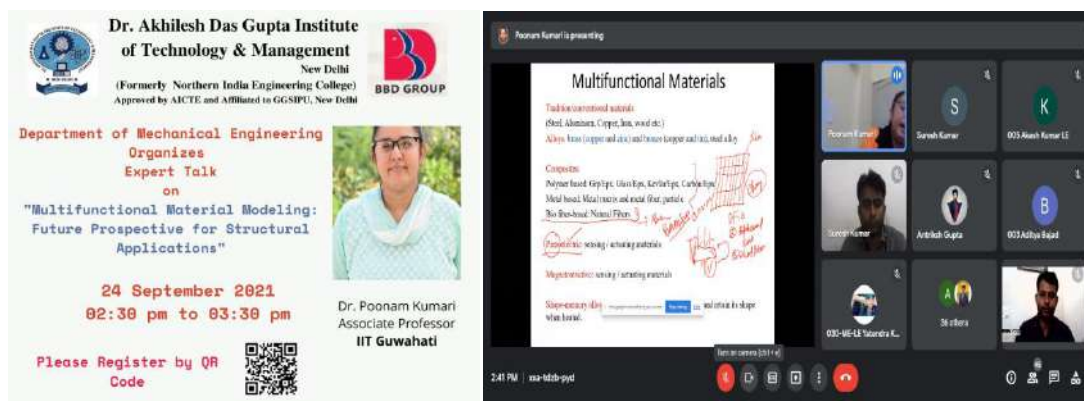
Outcome: Structural materials and various ways through which multifunctional material modelling helping researches in the field of structural materials analysis.

Beneficiaries: 3rd year and 4th year students and faculty members

Minute to Minute program

- Session start on virtual platform at 2.30 pm.
- Brief description regarding the new materials, multifunctional materials.
- ICT Based Session (Theoretical Session - Power Point Presentation based.)
- Questionnaire session at 3.35 pm

Photographs: Attached with File





A REPORT

Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi

Title: Webinar on Introduction to BCN3D FFF Printers with unique IDEX (Independent dual extruder) Technology.

Dated: 04 Dec. 2021

Department: Mechanical Engineering

Virtual platform- Zoho (<https://meet.zoho.in/xKH9Lshn93>)

Objectives: To make students understand about 3D printers and various advancements in 3D printer technologies.

Delegates/ Speakers: Mr. Gaurav Jolly (Director- Parametric Design & Solution)

Activities Undertaken:

Outcome: Use of 3D printers in the field of Mechanical Engineering.

Beneficiaries: 3rd year and 4th year students and faculty members

Minute to Minute program

Session start on virtual platform at 2.15 pm.

Brief description regarding the 3D printer and various technologies used in 3D printer.

Introduction to BCN3D FFF Printers with unique IDEX (Independent dual extruder) Technology

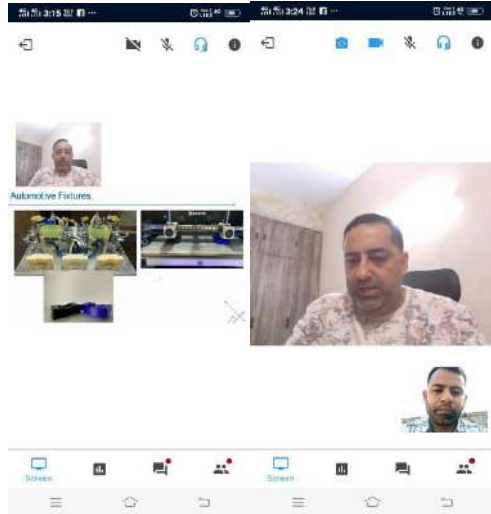
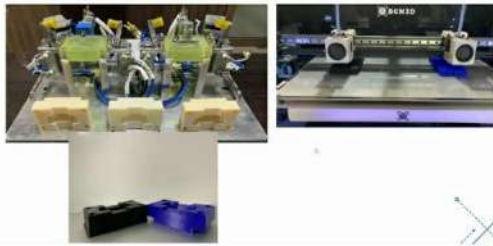
ICT Based Session (Theoretical Session - Power Point Presentation based.)

Questionnaire session at 3.45 pm

Photographs: Attached with File



Automotive Fixtures.



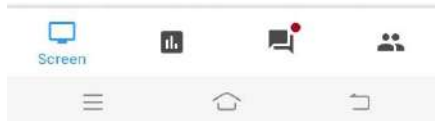
What is 3D Printing?

What is FFF technology?

Fused Deposition Modeling (FDM), or Fused Filament Fabrication (FFF), is an additive manufacturing process that deposits a thermoplastic material layer by layer in order to build a part. This technology manufactures strong, durable and dimensionally stable objects with a great accuracy.

FFF is Most Common AM Process.

- Both the hardware, and material are affordable.
- requiring a low initial investment.
- large range of materials available (such as Nylon, TPU, PET-G or ABS, among others).
- technology is suitable for multiple applications and markets.
- easy general operation and simple enough.
- PRODUCE Low level of user expertise.





A REPORT

**Dr. Akhilesh Das Gupta Institute of Technology & Management,
New Delhi**

Title: - Webinar on " Machining (Production) in Mechanical Department".

Dated: 08, Dec. 2021

Department: Mechanical Engineering

Virtual platform- Zoom

Objectives: To make students understand about basic of machining processes in mechanical engineering.

Delegates/ Speakers: Pro. Ravi kiran Doiphode, GATE 2011 AIR 380

Activities Undertaken:

Resource Persons: Department Head & Event Coordinator.

Outcome: Students will able to understand the Variuos non-conventional machining method (NCM) which are most widely used in the current industry so that students will be industry ready.

Beneficiaries: 3rd year and 4th year students

Minute to Minute program

Session start on virtual platform at 2.15 pm.

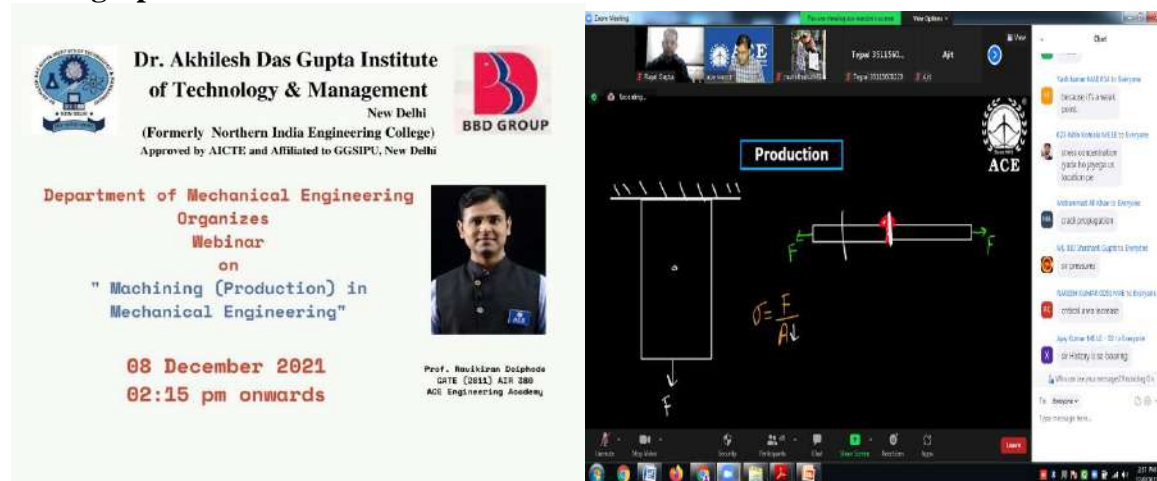
Brief description regarding the Machining processes.

Brief introduction about various non-conventional machining method.

ICT Based Session (Theoretical Session - Power Point Presentation based.)

Questionnaire session at 3.45 pm

Photographs: Attached





A REPORT

Dr. Akhilesh Das Gupta Institute of Technology & Management, New Delhi

Title: Entrepreneurship Awareness Programme

Dated: 24 February 2022

Department: Mechanical Engineering

Venue: Seminar Hall Room No. 2310, ADGITM, New Delhi

Objectives: The key point of this workshop was to make students aware about MSME, its projects and how it can help giving Indian economy a boost.

Organizing body: MSME-Development Institute, Okhla, New Delhi,

Sh. D.S Tomar, Assistant Director, M/O MSME

Sh. Brajesh Kumar, Assistant Director, M/O MSME

Prof. (Dr.) Niranjan Bhattacharyya Director IQAC and HOD ECE department

Prof. (Dr.) Tushar Mahajan, Dean (Management)

Outcome: The event was focused on creating awareness among the students about the skills required for working in mechanical engineering sectors and how MSMEs are playing an important role in growth of Indian economy. This in all provides a great platform for the students to learn and experience the needs of Industries from manufacturing point of view.

Beneficiaries: 2nd year students

Photographs: Attached with File





A REPORT

**Dr. Akhilesh Das Gupta Institute of Technology & Management,
New Delhi**

Title: Alumni talk

Dated: 13 April 2022

Department: Mechanical Engineering

Venue: Seminar Hall Room No. 2310

Objectives: The key points of this session were to make students understand how to go for higher studies through GATE, its preparation and career opportunities opened after M.Tech.

Delegates/ Speakers: Mr. Kanan Mendiratta (2013-2017 Batch MAE) Sr. Design Engineer L&T Chennai

Activities Undertaken:

The entire Alumni Talk was divided into three sessions.

First session – introduction of Mr. Kanan Mendiratta and his journey

Second Session – how to do preparation for GATE.

Third Session – requirements of industries and options available after completion of MTech in design from IITs.

Outcome: The entire session was focused on how to prepare for GATE and get in to top IITs, requirements for design industries, options available after completion of MTech from IITs.

Beneficiaries: Mechanical II- and III-Year Students.

Photographs: Attached with File





A REPORT
Dr. Akhilesh Das Gupta Institute of Technology & Management,
New Delhi

Title: Industrial Visit to NSIC, Okhla New Delhi.

Dated: 28th and 29th April 2022

Department: Mechanical Engineering

Venue: National Small Industries Corporation (NSIC), okhla New Delhi.

Objectives: National missions such as Make in India are leveraging the abundant talent pool in the country, creating more scope for jobs. Skill development, particularly, has been the hot topic for public debate, focusing on its crucial role in fueling the growth of the economy.

Delegates/ Speakers: Engineers from National Small Industries Corporation (NSIC), okhla New Delhi.

Activities Undertaken:

- Introduction to Educational Visit programs and introduction of Company to bevisited.
- ICT based Introduction of Visit and Introduction of the product to bemanufactured.
- Plant Visit
- Introduction of Organizational Structure of the firm.
- Session wise Theoretical & Practical framework and labs visit.
- Interaction Session at the end of day to resolve student's queries.

Outcome: Purpose of the visit is to make students familiar with the latest technologies and machines being used in manufacturing sector as in the current education and job scenario, appropriate job-related skills complement a formal degree in any discipline, and increases career opportunities. The job industry too expects the prospective workforce to come prepared.

Beneficiaries: IInd and IIIrd Year Students, Mechanical Engineering Department.

Photographs: Attached with File.

DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT, NEW DELHI
Formerly Northern India Engineering College



Approved by AICTE and Affiliated to GGSIPU

MECHANICAL ENGINEERING DEPARTMENT



INDUSTRIAL VISIT TO NSIC, OKHLA



Visit on 28 April 2022

Industrial Visit at NSIC Incubation Centre Okhla
Near Govindpuri Metro Station, Okhla Phase - III New Delhi

