

Department of Mechanical Engineering

List of Activities August 2020- July 2021

Sr. No.	Activity	Date of event
1	Competition- National Electric Kart Competition (NEKC)	17 th -18 th , October, 2020
2	Competition- Smart India Hackathon Hardware Edition, 2020	21 st -23 rd Dec, 2020
3	Industrial Motivation Campaign for Youth	23 and 24 March 2021
4	Expert Lecture – TQM	3 May 2021
5	International E-conference on Advances in Mechanical Engineering IECAME – 2021	21 and 22 May 2021
6	Alumini Talk by Mr. Paramjeet Singh Manager (CS), NTPC limited.	29 May 2021
7	Guest lecture on TQM	12 June 2021
8	Alumni talk	28 july 2021

NEKC (National Electric Kart Championship) 17th-18th, October, 2020



Competition: NEKC (National Electric Kart Championship) with its three mega seasons, is now the best and biggest electric karting event in India. With Electric energy shaping its way into the era of green energy, NEKC with the objective of inducing awareness to the budding generations about the eco-friendly ways to fabricate our vehicles. It proves to be a source of newfangled ideas that can repose a platform to do great innovations. NEKC helps the students to exhibit their unleashed talent and skill set and motivates them to contribute to their nation on a big platform. Besides, it provides an opportunity for the students to enhance their managerial and industrial skills.

Our Team Formura (Society works with Robogyan) Participate in NEKC 2020 and secured runner-up in Endurance Race

Secondly Participated in IGC (International Go-Kart Championship) 2020 and secured Runner up rank in the quiz Competition).

Team Head - Hasan Ashraf (ME Department 41415611117 final Year)

Smart India Hackathon

"Smart India Hackathon 2020 Hardware Edition"

Organization: Ministry of Railways
Category: Hardware
Domain Bucket: Robotics & Drones

Problem Statement

Intelligent Scanning System (Non invasive, quick and cost effective way of checking of parcels in parcel offices (both booked by railway and leaseholders))

Team Members:

1. Vansh Gupta (Team Leader)
2. Nikhil Singhal
3. Ujjwal Dwivedi
4. Swati Kaushik
5. Nitesh Garg
6. Mohd Shyan Khan

PS Number: BB459
Team Name: Rg_V2

Certificate of WINNER

This Certificate is awarded to
Nikhil Singhal
of team Rg_V2
for Winning
"Smart India Hackathon 2020 Hardware Edition"

Features

- Less manpower required
- Use of Machine Learning
- High Accuracy
- Real Time Tracking System
- Efficient Database Management
- Fast and effective scanning and Sorting

Parcel Journey Map

For Image processing Transfer learning is being used

Partners: DEYNET, Intel, KPIT, Communication Partner, Media Partner

Competition: Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving.

We participated in SIH Hardware edition 2020 and won 1st position

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

Title: Industrial Motivation Campaign for Youth

Dated: 23 and 24 March 2021

Department: Mechanical Engineering

Venue: AUDITORIUM HALL, 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. Brajendra Kumar choudhary Ex. Assistant Director, M/O MSME
Sh. Neeraj Sharma, Assistant Director, M/O MSME
Sh. Brajesh Kumar, Assistant Director, M/O MSME

Activities Undertaken:

The Seminar was divided into 3 Sessions.

First session was brief introduction of MSME.

Second Session was how MSME adding to manufacturing sector a secondary sector of economy.

Third Session was how new start-ups in mechanical field can come up to make country start-up hub. MSME,s schemes and providing financial support for new start-ups.

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: All semesters

Photographs: Attached with File





A REPORT

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

Title: An Expert Lecture – TQM.

Dated: 3 May 2021

Department: Mechanical Engineering

Virtual platform- Google Meet

Objectives: The event was focused on introducing the idea of TQM and how actual industries follow these principles.

Delegates/ Speakers: Mr. Tanuj Jain

Activities Undertaken:

The entire Guest Lecture was divided into three sessions.

First session – Brief introduction of TQM.

Second Session – How TQM changing the way people do work in industries so as to minimize the defects

Third Session – How mathematical tools helps in TQM.

Outcome: The event was focused on introducing the idea of TQM and how actual industries follow these principles to achieve goal of greater efficiency and effectiveness, lower operating cost and increased market share.

Beneficiaries: Mechanical 8th sem Students.

Photographs: Attached with File / Report at the end.





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

Title: International E-conference on Advances in Mechanical Engineering IECAME – 2021

Dated: 21 and 22 May 2021

Department: Mechanical Engineering

Virtual Platform- Google meet

International Delegates/speakers- Dr. Philip Preconcillo Ermita (Professor/Dean, College of Engineering, University of Perpetual Help System DALTA Calamba Campus, Calamba City, Laguna, Philippines)

Dr. Kambiz Ghaemi Osgouie (Asst. Professor, Mechanical Engineering Division, University of Tehran, College of Engineering, Guilan, Iran)

Objectives: The event provided the students to share their ideas through research papers and also provided them an opportunity to listen to the experts working in the field of mechanical engineering.

Name of organizing body: Department of Mechanical Engineering, ADGITM

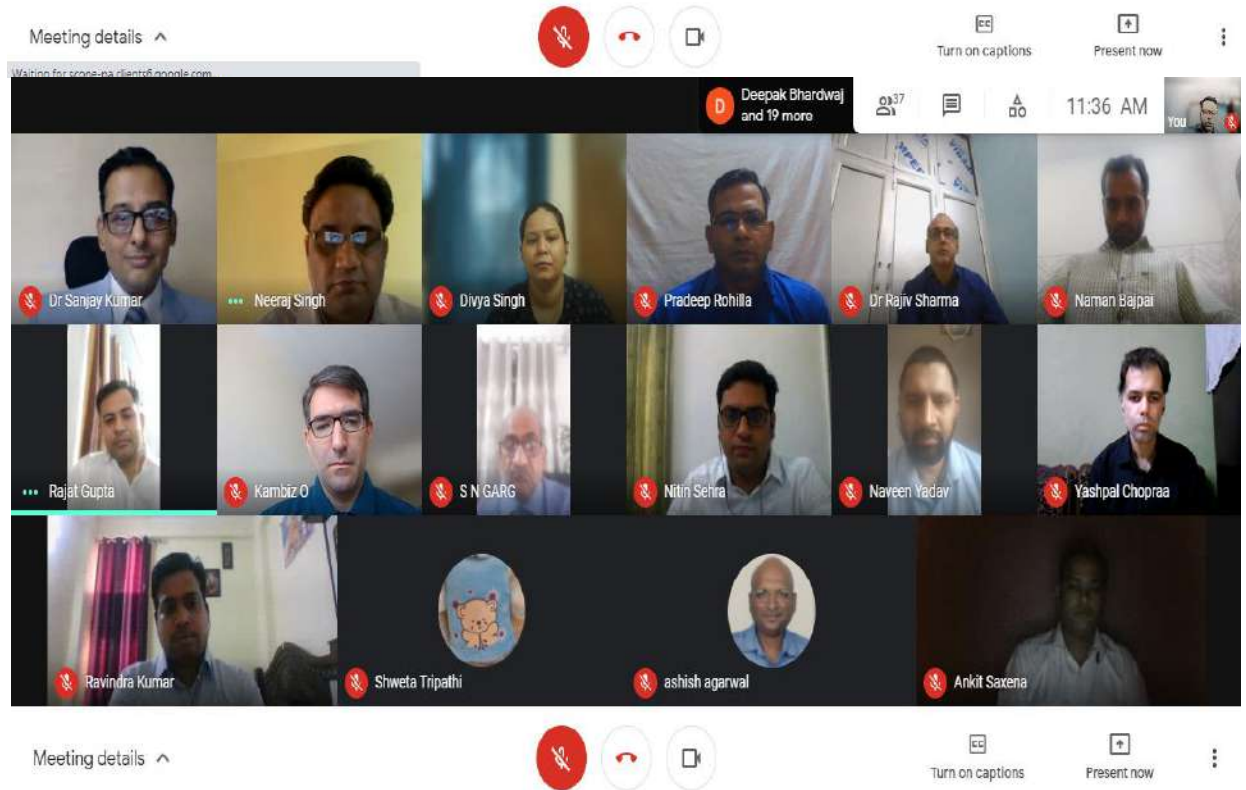
Activities Undertaken:

Day 1 (21st May, 2021)	
Timings(IST)	Event
11:30 - 11:35 am	Welcome of Guests
11:35 - 11:45 am	Address by Shri S. N. Garg, C.E.O., ADGITM
11:45 - 11:55 am	Address by Prof. (Dr.) Sanjay Kumar, Director, ADGITM
11:55 - 12:05 pm	Address by Mr. Neeraj Kumar, Convener
12:05 - 12:35 pm	Address by Prof. Philip Preconcillo Ermita, Philippines, Chief Guest (Keynote Speech) at 2:35 p.m Philipines Time
12:35 - 01:05 pm	Address by Prof. Kambiz Ghaemi Osgouie, Iran, Guest of Honor, at 11:35 a.m, Iran Time
01:05 - 02:00 pm	Break
02:00 - 04:00 pm	Paper presentations (Session Chair by Prof. Jitendra Kumar Katiyar, SRM University, Chennai)

Day 2 (22nd May, 2021)	
Timing	Event
11:00 - 1:00 pm	Paper presentations (Session Chair by Prof. Ashish Agarwal, Director, School of Engineering & Technology, IGNOU, N.Delhi)
01:00 - 01:20 pm	Valedictory session Vote of thanks by Convener

Outcome: The event provided the students to share their ideas through research papers and also provided them an opportunity to listen to the experts working in the field of mechanical engineering.

Beneficiaries: final year students and faculty members
Photographs: Attached with File





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

Title: Alumini Talk by Mr. Paramjeet Singh Manager (CS), NTPC limited.

Dated: 29 May 2021

Department: Mechanical Engineering

Virtual platform: Microsoft Team

Objectives: The event aimed to motivate students and was also focused on providing career guidance to students.

Delegates/ Speakers: Mr. Paramjeet Singh Manager (CS), NTPC limited

Name of organizing body: Department of Mechanical Engineering, ADGITM

Outcome: To motivate students in field of engineering and develop scientific temperament, options available through maharatna companies for further in context of career.

Beneficiaries: Third year Student of MAE/ME Department.

Minute to Minute program

- Students join at designated virtual platform at 10.30 am.
- Student's Attendance and brief description regarding the Lecture.
- ICT Based Session (Theoretical Session - Power Point Presentation based.)
- Interactive Session at 11.30 am

Photographs : Attached with File





A REPORT

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

Title: Guest lecture on TQM

Dated: 12 June 2021

Department: Mechanical Engineering

Virtual Platform: Google meet

Objectives: Main objective of the event was to make students know how TQM is used in industries. How quality and zero defect is important for consumers satisfaction.

Delegates/ Speakers: Mr. Tanuj Jain

Activities Undertaken:

The sessions were conducted as:

Introduction Program: 10.30 AM to 10.35 AM

PPT Session: 10.35 AM to 12. 00 PM

12.15 PM to 01. 30 PM

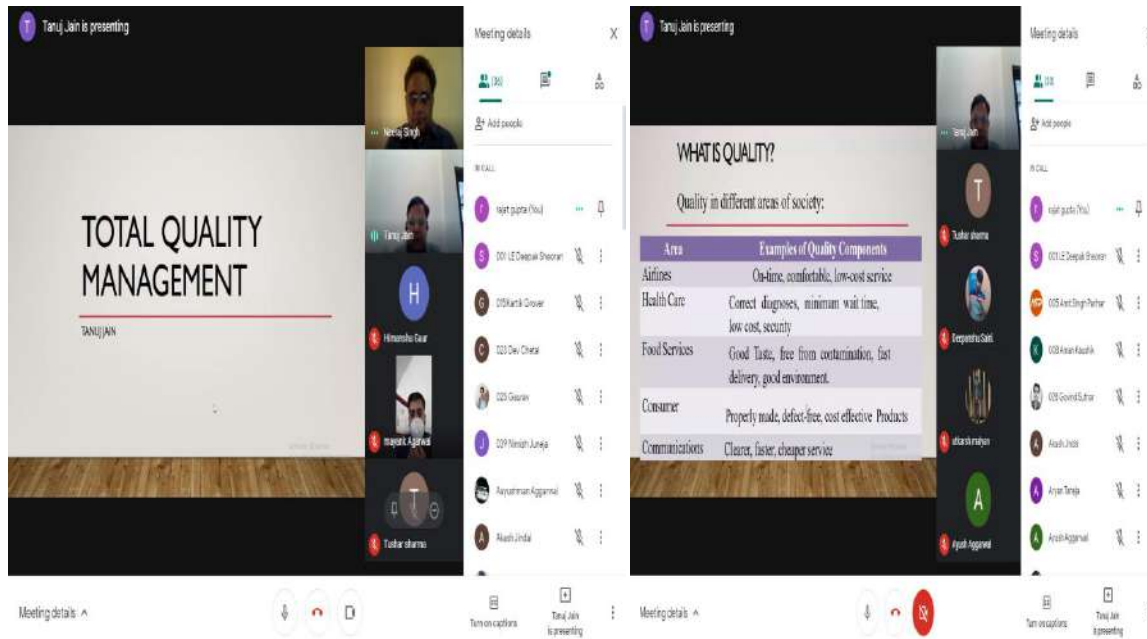
Interactive Session: 1.30 PM to 01.50 PM

Thank you Speech: 1:50 PM

Outcome: The event was aimed to create awareness among the students about the industrial practices related to TQM.

Beneficiaries: Third Year Students of ME Department.

Photographs: Attached with File





A REPORT

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

Title: Alumni talk

Dated: 28 July 2021.

Department: Mechanical Engineering

Virtual Platform: Google meet

Objectives: The event aimed to motivate students and was also focused on providing career guidance to students.

Speaker: Mr. Tarundeep Singh Bhatia

Activities Undertaken:

Session was started on 11 am onwards on google meet.

Outcome: Session was regarding motivating students. Speakers career journey.

Beneficiaries: 3rd year and 4th year students

Photographs :

