



DR. AKHILESH DAS GUPTA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
NEW DELHI

*So remember to look up at the stars and not down at your feet. Try to make sense of what you see and wonder about what makes a universe exist.*

*Be Curious*

*And however difficult life may seem there is always something you can do and succeed at it matters that you don't just give up.*

*Stephen Hawking*

MECHANICAL ENGINEERING TAKES IN ALL BUILT STRUCTURES AND MOVING PARTS FLOWN IN SPACE, WHICH INCLUDES AUTOMATION AND ROBOTICS, INSTRUMENTS FOR SCIENTIFIC MISSIONS AS WELL AS ASSESSING THE EFFECTS OF THE SPACE ENVIRONMENT ON MATERIALS.

# INDIA *in* Space MECHANICAL *Engineering*

In space technology, Mechanical Engineers are destined to play a key role, even more so compared to aerospace, electrical, industrial, and structural engineers. This is because mechanical engineering has such a broad range of capabilities that are so crucial for designing systems to survive an unforgiving environment like space. These capabilities include system engineering and relevant system architecture, spacecraft configuration, structural analysis and design, thermal management, assembly-integration-and-testing, manufacturing, as well as vehicle handling and transportation. While building satellites and launch vehicles, mechanical engineers are trained in optimization, fatigue, computational fluid dynamics, and design complexity. Mechanical engineers are thus able to handle these major responsibilities with confidence and finesse.

Indian Space Research Organisation (ISRO) has come a long way since its formation on August 15, 1969. From launching small rockets of just 30-70 kg payloads to carrying 4,000 kg payloads to the outer space, ISRO has much to celebrate when it comes to space achievements. From the establishment of Space Science and Technology Centre in Thumba on 1 Jan, 1965 to Chandrayaan-2 launch which was the second lunar exploration mission developed by the Indian Space Research Organisation (ISRO) after Chandrayaan-1, India's presence in space became glorious with time. A Major Project like Chandrayaan 2 which consisted of a lunar orbiter, the Vikram lander, and the Pragyan lunar rover were all developed in India. The main scientific objective is to study the variations in lunar surface composition, as well as the location and abundance of lunar water..

Department of  
Mechanical & Automation  
Engineering

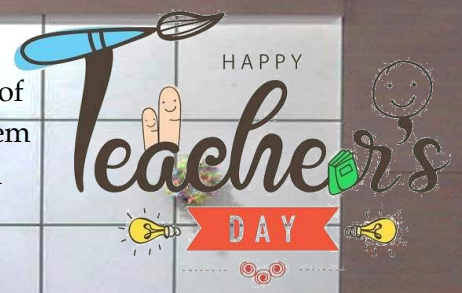
*The*  
NEWSLETTER  
*August to December 2019*

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# HAPPY TEACHER'S DAY

Teachers' Day is a special day for the appreciation of teachers, and may include celebrations to honor them for their special contributions in a particular field area, or the community in general.



## Let's Dandiya

Social/cultural activities not only help students to identify themselves with the college, but also assist students to develop themselves in a desired field and also improve skills such as organizational, presentation, leadership and interpersonal communication.



## a scribble ISN'T A SCRIBBLE...

The very purpose of Freshers Day party is to welcome newcomers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college.



THERE IS A TIME AND PLACE FOR EVERYTHING THAT IS COLLEGE



The key role of this guest lecture on education front is to make students aware about recent innovations in Industries on the grounds of Robotics, CNC Machines & Welding

# Educational Visit

The purpose of the visit was to make students familiar with actual working domain of Mechanical Companies and which practical interface they used to do manufacturing processes and to solve Industrial Problems.



# Guest Lecture

CO - Guest Lecture @ 10:00 AM  
 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM, 10:00 AM



2019/9/18 13:09

The Session was concentrated on providing information to students and giving relevant answers to their queries regarding various competitive examinations like GATE, IES, ESE, IAS and how they can prepare for such examinations considering their relevant Engineering background.



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# Carrier Counselling

The key role of this workshop on education front is to make students aware from the latest robotic technologies used in the Manufacturing Industries and to give those proper resources and approach.



2019-10-15 12:49

# Interactive Session

# Alumni Talk



# Robotics Workshop



InFocus

# Training Session

The purpose of the program is to make Third year and final year students of our institution immensely benefited by various inputs, viz., 'Writing Job Resumes', 'Communication Skills', 'Group Discussion' and 'Appearing in Interviews'. Interview Preparation helps you'll feel more in control and will appear cool and calm.



# Achievements

A Team of *Abhishek Singh, Shubham Bisht, Mahipal Bisht, Bhanu Sharma, Gagandeep Kataria, Anshul Khushwaha, Piyush Arya, Himanshu, Pritam Chaudhary and Dheeraj Chaudhary* won Gold Medal in ADGITM, IMS Ghaziabad & Liberty Kabaddi League 2019



Akash Kumar Jha  
Nishant Batra  
Paras Yadav  
Parth Kathuria  
Sachin Prakash  
Abhishek Rai  
Mohd Atif Siddiqui  
Abhishek Jadli  
Mrinal Anthwal  
Sanyam Oberoi  
Udhav Saraswat  
Vikas Jha  
Abhay Johri  
Ankush Goel  
Anurag Jain

## CAMPUS SELECTIONS

## INFOSYS

## OPPO

Rishabh Aggarwal  
Abhimanyu Kaushik  
Ankush Goel  
Abhay Johri

Bhuvnesh Verma  
Ayush Agrawal  
Prateek Khandelwal

## INDIAMART INTERMESH LTD

IT'S NOT ABOUT PERFECTION.

It's about EFFORT

And when you bring that effort every single day, that's where

TRANSFORMATION HAPPENS.

That's how CHANGE OCCURS.



*Mohd Atif Siddiqui*

Got invited to judge 10+ Model United Nations as Executive Board in different states across India. He won several awards for being adjudged winner, runners up in Model United Nations participated in.

### GGSIU Inter College Major Project Competition 2019

First Position – Mechanical Engineering Department

Project Title - Brake pedal operated hydraulic jack, inbuilt in a four wheeler.



**QUINTESSENCE**  
Model United Nations  
12<sup>th</sup> - 13<sup>th</sup> October, 2019

**Atif Siddiqui**  
Secretary General



Congratulations to *Aakriti Yadav* for winning medal in Tug of War  
*Mohammad Imtiaz* for winning Gold Medal in Volleyball (Boys) and  
*Lokesh sharma* for winning Gold Medal at National All India University Championship 2019 (Tug of War) 640kg outdoor category.

*Abhilash Anand*

He got 2nd position in Inter College Cross Country Race, represented GGSIPU at All India Inter University Cross Country Championship held by Mangalore University In Manglore, 1ST and 3rd Position in Inter College Athletics Meet and won Best Athlete of the Year 2019.