

Students Acheivements

Universirty Gold Medalist



**Harsh Dubey
(0071561119) Student of
Mechanical Engineering
2019-2023 batch passed
certificate 'B' in NCC**

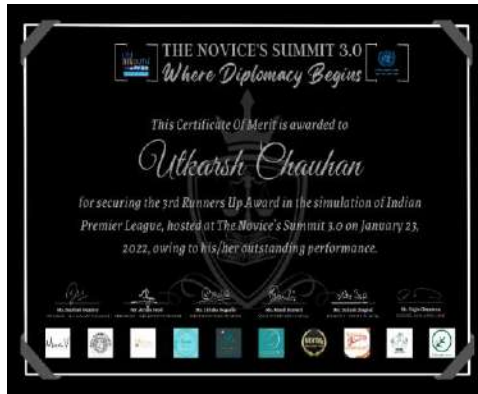
**2ND YEAR STUDENTS MADE A FOUR BAR
CHAIN CONSIST OF ALL TURNING PAIRS.
ITS APPLICATION ARE SEEN IN BEAM
ENGINE, COUPLING ROD OF
LOCOMOTIVE AND WATT INDICATOR
MECHANISM.**

**MAAZ KHAN 00215611121
AADIB AMAAN SHEIKH 00815611121
KAMAL NAYAN 01915611121
AMAN SHARMA 02115611121
SUNDRAM 02215611121**

Student Achievements:



1. Sumit Koley (02315611120) student of Mechanical Engineering Department 2020-2024 Batch attended the “Bootcamp on fundamental of BIW”, workshop on “Power of AutoCAD & Manufacturing” and certificate of Merit awarded for successfully completing the internship on “Introduction to Automotive Industry Internship”.



2. Utkarsh Chauhan (0251561119) student of Mechanical Engineering Department 2019-2023 Batch awarded, the certificate of Appreciation, certificate of achievement and the certificate of Merit for securing the 3rd Runners up in the simulation of Indian Premier League.



3. Harsh Dubey (0071561119) students of Mechanical Engineering Department 2019-2023 Batch awarded the certificate - 'B' by 6 Delhi BN NCC.

The students of Mechanical Engineering Department 2020-2024 Batch attended the one day “Entrepreneurship Orientation Program” conducted by *NSIC Technical services centre, Incubator Department, Okhla Phase - III, New Delhi*. The list of the participated students is given below

| S. No. | Enroll. No | Name of Student |
|--------|-------------|----------------------|
| 1 | 00215611121 | MAAZ KHAN |
| 2 | 00515611121 | PRABHAT |
| 3 | 00715611121 | SURAJ KUMAR PANDEY |
| 4 | 00815611121 | AADIB AMAAN SHEIKH |
| 5 | 00915611121 | ABHINAV |
| 6 | 01015611121 | SHASHANK |
| 7 | 01115611121 | SIDDHARTH CHAUDHARY |
| 8 | 01215611121 | GAURISH DUA |
| 9 | 01315611121 | SHILPI |
| 10 | 01415611121 | AJAY |
| 11 | 01515611121 | SUKREET KAUSHIK |
| 12 | 01615611121 | ROHIT DEVGAN |
| 13 | 01715611121 | OMKAR GUPTA |
| 14 | 01815611121 | MAYANK RUGHTA |
| 15 | 01915611121 | KAMAL NAYAN MAKHARIA |
| 16 | 02015611121 | SEHAJEET SINGH |
| 17 | 02115611121 | AMAN SHARMA |
| 18 | 02215611121 | SUNDRAM |
| 19 | 02415611121 | MADHUR BARNWAL |
| 20 | 02515611121 | KUSHAL RAWAL |
| 21 | 35215611121 | ANSHUL BANSAL |
| 22 | 35315611121 | ADIT BHATIA |

The students of Mechanical Engineering Department 2019-2023 Batch attended the one day “Entrepreneurship Orientation Program” conducted by *NSIC Technical services centre, Incubator Department, Okhla Phase - III, New Delhi*. The list of the participated students is given below

| S. No. | Enroll. No | Name of Student |
|--------|------------|-----------------------|
| 1 | 115611120 | AADITYAM GOEL |
| 2 | 215611120 | ADITYA |
| 3 | 315611120 | ANKIT KUMAR |
| 4 | 515611120 | ARNAV DUTT MISHRA |
| 5 | 615611120 | ARUN KUMAR SAH |
| 6 | 715611120 | DEEPAK SHARMA |
| 7 | 815611120 | GURVANSH SINGH BHALLA |
| 8 | 915611120 | HARDIK CHOUBEY |
| 9 | 1115611120 | HARSHIT KATARIA |
| 10 | 1215611120 | HEMANT |
| 11 | 1315611120 | LAKSHAY KHANDUJA |
| 12 | 1415611120 | PIYUSH CHAUHAN |
| 13 | 1515611120 | PIYUSH KUMAR |
| 14 | 1615611120 | RAHUL GUPTA |
| 15 | 1715611120 | RAJAT SHARMA |
| 16 | 1915611120 | ROHIT DIXIT |

| | | |
|----|-------------|--------------------|
| 17 | 2015611120 | RUSHIL SEHGAL |
| 18 | 2115611120 | SARTHAK BHATNAGAR |
| 19 | 2215611120 | SHIVAM PANCHAL |
| 20 | 2315611120 | SUMIT KOLEY |
| 21 | 75115611120 | MUZAMIL NABI |
| 22 | 75215611120 | NITISH KUMAR RATTA |

4. Smart India Hackathon is a nationwide initiative to provide students with a platform to solve me of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. Participated in SIH Hardware edition 2020 and won 1st position

"Smart India Hackathon 2020 Hardware Edition"

Dr. Akhilesh Das Gupta
Institute Of Technology And Management

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 Davedi
4. Swati Kaushik
5. Nitesh Garg
6. Mohd Shyan Khan

PS Number: BB459

Team Name: Rg_V2

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

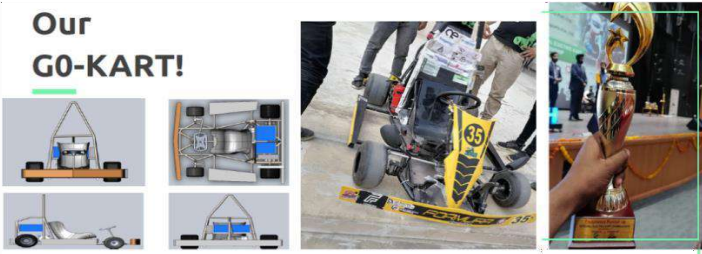
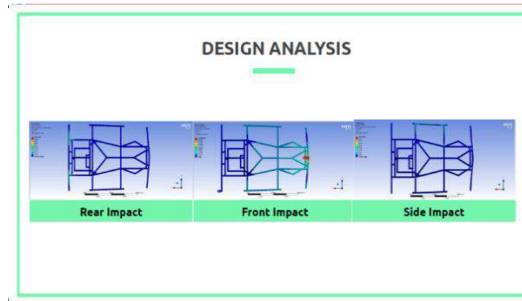
For Image processing Transfer learning is being used

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

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

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



DESIGN ANALYSIS

| Test Conditions | Description |
|---------------------|----------------------------------------------------------------------------|
| Load applied | 180 Kgs |
| Force Applied | Front Impact-10844 N, Rear Impact- 10844 N, Side Impact- 5422 N |
| Maximum Speed | 65 kmph |
| Maximum Stress | Front Impact- 656.88 MPa, Rear Impact- 455.02 MPa, Side Impact- 347.46 MPa |
| Impulse created | 3250 N-s |
| Impact Time | 0.3 sec |
| Maximum Deformation | Front Impact- 1.0396 mm, Rear Impact- 3.7665 mm, Side Impact- 2.0319 mm |
| Factor of Safety | 1.5 |



5. e-Yantra Robotics Competition (eYRC) is a unique annual competition launched in the month of August every year for undergraduate students in science and engineering colleges, polytechnic. Selected teams are given a robotic kit complete with accessories and video tutorials to help them learn basic concepts in embedded systems and microcontroller programming. Abstracts of real-world problems assigned as "themes" are then implemented by the teams using the robotic kits.

Participated In EYRC 2019-2020 and reached the final stage by successfully completing all assigned tasks.

Team lead -Nikhil Singhal(ME department 40915611117 Final Year)



e-Yantra Robotics Competition - 2019-20
Implementation Analysis: Construct-O-Bot



Robotics Competition
2019-20

Team leader name: Nikhil Singhal
College: Dr. Akhilesh Das Gupta Institute of Technology and Management
Email: rsinghal1999@gmail.com
Date: 15/01/2019

<YRC#3362>

State the scope of the theme assigned to you.

Newsdays, robots are considered as an important element of our day to day life. This is because, wherever it is seen, it is seen as a technology.



Department of Computer Science and Engineering
Indian Institute of Technology Bombay,
Powai, Mumbai-400 075



Certificate of Completion

This is to certify that Nikhil Singhal, a student of Dr. Akhilesh Das Gupta Institute of Technology & Management, Delhi, has participated in the e-Yantra Robotics Competition (YRC) 2019-20.

He/she is a member of the team having the following team members.

1. Nikhil Singhal
2. Ujjwal Deshpande
3. Vansh Gupta
4. Vivek

This team has successfully completed all the assigned tasks in Construct-O-Bot Series.





Upper Hood

Wheels

Motor

Robot

Use sensor with Proximity Sensor

L298N

Arduino Uno

LCD Display

Sharp Sensor

B. Bot with upper hood Open

6. Boeing National Aero modeling Competition 2020


Boeing - IIT National Aero modeling Competition for college students in India is sponsored by Boeing and conducted in collaboration with IIT Bombay, IIT Delhi, IIT Kanpur, IIT Kharagpur, and IIT Madras.

The competition is launched with the vision to provide a unified national platform for students interested in aerospace and related engineering disciplines - to demonstrate their aero-modeling expertise

Participated and reach the final stage of the Competition in Jan 2020 organized at IIT Bombay.



Team lead -Nikhil Singhal (ME department 40915611117 Final Year).

Boeing IIT National Aeromodelling Competition




IIT Bombay


Certificate of Participation

This is to certify that
Mr./Ms. Nikhil Singhal
of **ADGITM, Delhi** participated in
Boeing IIT National Aeromodelling Competition
at West Zone event held at **IIT Bombay** on 3 & 4 Jan 2020.



Prof. Rajkumar S Pant
Faculty Advisor
Techfest
IIT Bombay



Ankur Kanaglekar
Head
Strategy and Business Development
Boeing India

Abstract for Boeing IIT National Aeromodelling Competition

Due to the limited accommodation facilities, teams will be shortlisted for accommodation based on the following abstract provided by the team.

Guidelines for the submission of the abstract are as follows:

Rename the .doc/.docx file as "TeamID.doc" or "TeamID.docx" (example: R01001.doc/R01001.docx where R01001 will represent the respective Registration code (or Team code or Team ID) and email the file to Subin@techfest.org strictly before 5th December 2019. The format for naming the file has to be strictly followed. Otherwise your abstract may not get accepted.

YOU NEED TO SUBMIT THE ABSTRACT IN PDF FORMAT (TeamID.pdf)

Please fill in the information in the sections mentioned below.




Kindly do not exceed the word limit mentioned in respective sections.

Support your write up with google drive link of images and videos of your plane. Note that even photos of incomplete plane may be attached and if it is not at all possible to include the pictures then try and integrate 2D plan/CAD drawings in the abstract.

This information shall be considered valuable for deciding Design / Innovation prizes. The abstract of your plane will be helpful everywhere in future as an evidence of your hard-work, along with determining your position for the competition. So please pay adequate attention to it.

Please fill in the following details:-

Team ID: BA: 60894102
Team Leader's name: Nikhil Singhal
Email Address: rsinghal1999@gmail.com

Deepak

Dr. Deepak Bhardwaj

HOD - ME