



DELHI TECHNOLOGICAL UNIVERSITY

(Formerly Delhi College of Engineering)

Shahbad Daulatpur, Main Bawana Road, Delhi, 110042



TEAM RAFTAAR, DTU

Introduction

Team Raftaar is a team of undergraduate students who share a common vision i.e. to engrain the dynamic concept of Human Powered Vehicles in our day to day lives and thus, promote sustainable modes of transportation for a better world ahead.

We compete in the ASME's Human Powered Vehicle Challenge in both India and the USA where universities across the globe design, manufacture, innovate and finally, race their Human Powered Vehicles and are evaluated on the basis of their safety, robustness, speed, innovation and more importantly our ability to engage the necessary clout to push the concept of Human Powered Vehicles to new realizable heights. For the same, we design a fully Carbon Fibre faired recumbent bicycle to optimize the aerodynamic and drivetrain related traits and which has bolstered our capabilities to achieve speeds in excess of 70 Kmph purely out of Human Power. For making our vehicle achieve the vision of practical applications, our Electronics team made a Landing Gear Suggestion System (LGSS) for a vehicle that ensures safety along with optimal performance.

This year the HPVC North America East was held at Penn State University, Pennsylvania from April 13th to 15th where we secured First place in Innovation and Fifth place in Design. Also, the HPVC Asia Pacific competition was held at DTU from March 16th to 18th where we secured overall Joint-Runner up position including the unbeaten First place in both male and female drag race.



Achievements

➤ ASME E-Fest HPVC North America East Coast 2018

- First in Innovation at ASME HPVC North America East
- Fifth in Design at ASME HPVC North America East

Name of the Awardee:

- Akash Agrawal (2K15/ME/015)
- Akash Gupta (DTU/2K17/A10/1207)
- Akash Tigga (2K16/ME/016)
- Ankur Singh (2K14/ME/28)
- Ankur Singh (DTU/2K17/A6/715)
- Aradhya Shandilya (2K15/EC/035)
- Anni Bhardwaj (DTU/2K17/A14/1760)
- Avhishek Jha (2K16/ME/037)
- Hrishabh Jha (2K16/ME/016)
- Kunal Nath (2K16/AE/041)
- Manan Basu (2K16/ME/088)
- Mukesh Yadav (2K16/ME/097)
- Nandini Varshney (DTU/2K17/A9/1069)
- Pranav P. Kumar (2K16/ME/115)
- Prannoy R. Mehta (2K16/ME/117)
- Rithik Yadav (2K15/AE/050)
- Shahnil Samantra (2K16/ME/152)
- Shubham Khurana (2K16/ME/165)
- Sudhanshu Singh (2K16/EE/129)
- Tanushka Singh (2K16/ME/177)

➤ ASME E-Fest HPVC Asia Pacific 2018

- First Position in Men's Speed Event
- First Position in Women's Speed Event
- Third Position in Design Event
- Overall Runner up

Name of the Awardee:

- Akash Agrawal (2K15/ME/015)
- Akash Gupta (DTU/2K17/ A10/1207)
- Akash Tigga (2K16/ME/016)
- Ankur Singh (2K14/ME/28)
- Ankur Singh (DTU/2K17/A6/715)
- Aradhya Shandilya (2K15/EC/035)
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- Shubham Khurana (2K16/ME/165)
- Sudhanshu Singh (2K16/EE/129)
- Tanushka Singh (2K16/ME/177)

➤ ASME E-Fest HPVC Asia Pacific 2017

- First Overall at ASME HPVC Asia Pacific
- First in Male & Female Drag at ASME HPVC Asia Pacific
- First in Design at ASME HPVC Asia Pacific

Name of the Awardee:

- Akash Agrawal (2K15/ME/015)
- Ankur Singh (2K14/ME/28)
- Aradhya Shandilya (2K15/EC/035)
- Gaurav Daga (2K15/ME/058)
- Himansh Chandani (DTU/2K16/B8/1468)
- Hrishabh Jha (DTU/2K16/B8/1471)
- Kavya Gupta (2K14/AE/38)

- Krishan Gupta (2K14/ME/79)
- Pranoy Rakesh Mehta (DTU/2K16/A9/1519)
- Pratyush Gupta (DTU/2K16/B4/698)
- Shaunak Deshwal (DTU/2K16/A2/286)
- Shubham Khurana (DTU/2K16/A9/165)
- Souvik Samadder (2K14/AE/83)
- Tanushka Singh (DTU/2K16/A9/177)
- Tanya Arora (2K15/PE/032)
- Tanya Kaushal (DTU/2K16/A9/1577)
- Tarun Saxena (2K14/AE/88)
- Vishal Singh (2K16/AE/092)
- Wajid Ali Shah (2K14/ME/191)





