

# A Half-yearly Newsletter

Department of Aeronautical and Automobile Engineering

Manipal Institute of Technology,  
Manipal Academy of Higher Education, Manipal



Volume 2: Issue 1, MAY 2020

- Internationalization
- Awards
- Alumni
- Student achievement



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## Vision

- Excellence in Education of Aeronautical and Automobile Engineering fortified through Innovation and Teamwork

## Mission

- Educate students professionally to face societal challenges.
- Provide a conducive environment for learning, reinforced with the principles of Aeronautical and Automobile Engineering.
- Promote Creativity and nurture Teamwork.

## Academics

- The Department of Aeronautical and Automobile Engineering, MIT Manipal had applied for NBA accreditation.
- The NBA team had visited the department in the Month of August 2019.
- Aeronautical and Automobile Engineering courses were awarded with 3 years of NBA accreditation.

## FACULTY ACIEVEMENTS

### Internationalization

- **Dr. Mohammad Zuber** attended the 'Grant Holders Meet' at Brussels, Belgium from 25th Jan to 30th Jan, 2020. The orientation was part of the Erasmus Capacity Building in Higher Education Grant to develop a new Master Course in Computational Fluid Dynamics.
- The grant was awarded to **Prof.Dr. Satish Shenoy** and **Dr. Mohammad Zuber** as co-partner in the consortium consisting of 11 universities worldwide.

### Awards

- **Mr. Padmaraj N H** ( Asst. Prof. Sr. scale) received best paper award for the research paper titled "Effect of ageing environment on moisture absorption and tensile properties of glass/epoxy composites" in "2nd International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing (IMME19)", held from 27-28December 2019.
- **Mr. Chethan K N** (Asst. Prof. Sr. scale) has won the 4th International Staff Tournament Badminton Championship conducted at PES University, Bangalore from 20th Jan – 23rd, 2020.

## ALUMNI

One of our Alumnus Mr. J K Ajay Kumar (B.Tech Aeronautical Engineering 2011-15 batch) is the founder and CEO of a startup "Vellon space" is developing an affordable to 10kg satellites focusing on green fuel and aims to reach a height of 700 km in altitude space launch vehicle with "high altitude balloon launch platform" technology capacity dedicated to Micro and Nano satellites around the world. The idea is to carry a payload up to 10 kg satellites focusing on green fuel and aims to reach a height of 700 km in altitude.



# STUDENT ACIEVEMENTS

## FORMULA MANIPAL

Event: 'Formula Bharat' is an Indian Formula student-style competition which was held from Jan 21st to 26th 2020 in Coimbatore, Tamil Nadu.

### Formula Manipal stood:

- 8th out of 52 teams in internal combustion vehicle class
- 6th out of 12 teams in Electric vehicle class.

### Awards:

Finalists in “the Code Hatchers” “Your Safety story”, special awards by Ather Energy.



## SAE-Manipal

SAE –Manipal, is the official automotive club of MIT Manipal organised 8th edition of Unscrew Engines on 7th and 8th Feb, 2020 with 70 registrations. Workshop revolved around study of components of I.C. engines, working and getting some hands on experience of opening diesel engine making people completely aware of what goes under the head of an automobile.



## TEAM MANIPAL RACING

### BAJA SAE India

Participated in the biggest and the oldest BAJA event of the country held at Proving Grounds, NATRAX, Pithampur, Madhya Pradesh. The event is sponsored by all the Indian Automotive Giants and its auxiliaries. A total of 120 teams from all over the country participated in the event.



TMR was able to achieve the following credits in the competition.

- 6th in Acceleration
- 11th in Business Plan
- 14th in Endurance race
- 31st in Maneuverability
- 33rd in Rock Crawl

**Enduro Student India** held in Talegaon, Pune during **7th-10th Feb 2020**. The event is set- up in accordance with the BAJA International rulebook and rules of conduct focusing mostly on validation of designs and good engineering practices.

Around 51 teams registered for the event and TMR Manipal had the following achievements:

- 2nd in the Business Presentation
- 3rd in the Design Event with a Price Reward of Rs.15,000/-
- 7th in the Endurance Race
- 4th in Design Validation
- 6th in Cost Presentation
- Cleanest Pit Award



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