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Faculty work

Summer 6-1-2021

A Half Yearly Newsletter -Department of Aeronautical and Automobile Engineering

Mohammad Zuber Dr

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Department of Aeronautical and Automobile Engineering
Manipal Institute of Technology,
Manipal Academy of Higher Education,
Manipal-576104



Vision

- Excellence in education of Aeronautical and Automobile Engineering fortified through Innovation, Research and Teamwork.

Mission

- M1: Educate students professionally to face societal challenges.
- M2: Provide a conducive environment for learning, reinforced with the principles of Aeronautical and Automobile Engineering.
- M3: Promote creativity and nurture teamwork.

Academics

- The Department of Aeronautical and Automobile Engineering offers 2 UG (Aeronautical Engg. and Automobile Engg.) and 2 PG (Avionics and Automobile Engg.) courses.
- The Department of Aeronautical and Automobile Engineering courses are NBA accredited for 3 years.



Faculty Achievements

Empowering Students to Become Leaders

Dr. Chethan K N, Assistant Professor-Senior Scale in the Department of Aeronautical and Automobile Engg. Successfully defended his thesis on “Performance evaluation and optimization of trunnion design for long term durability of hip joint prosthesis”.



Dr. Ravishankar Baliga B, Assistant Professor-Senior Scale in the Department of Aeronautical and Automobile Engg. Successfully defended his thesis on “Effect of polythene thickness, tibial interface and tibial stem length on stress and micromotion following TKR: A comparative finite element analysis study”.



Dr. Vishnu G Nair, Assistant Professor-Senior Scale in the Department of Aeronautical and Automobile Engg., is pursuing his Postdoc at the University of Liege, Belgium, on low-frequency active vibration isolation for Einstein Telescope.

The **Department of Aeronautical and Automobile Engineering** faculty members have published **33 research articles** in various Scopus Indexed journals and also presented in several International Conferences.

Mr. Kamlesh Kumar, Assistant Professor-Senior Scale in the Department of Aeronautical and Automobile Engg., has organized a CEM One Solution -Antenna Design Training by ESI Software (India) Pvt Ltd as a part of the lab for faculty, UG and PG students.

❖ **Department express sincere thanks to Mr. Vasudev Sherigar, Junior Engineer, Automotive Lab and Ms. Shantha G Prabhu, Senior Clerk for their valuable contribution and excellent service.**

Student Achievements

A Take-Off to Your Dreams

Aravind Karthik and Archit Bapat, 6th Sem have secured runner up in the design contest "Abhiyaantrika", School of Industry Oriented Engineering and Solutions, Mysore.



Aravind Karthik Muralidharan, Gokul P (ECE), Akshaye V I (E&I), Shivam Mahajan (IT), Rohan Nigam (ECE), 6th Sem represented MIT in 9th International NASA Space apps Hackathon -- Global -- Top 13 teams from India, State winner 1st and Global Nominee.

Vedang Pradeep, Tanay Kumar (ECE), Pranav Gupta and Nehi Sinha, 6th Sem, have secured first position in "Technex '21-Aviator Challenge-national UAV design contest", IIT-BHU and second position in 'Techkriti - AeroDes'- National UAV Design Contest, IIT Kanpur.



Nehi Sinha, Sai Sankalp and Shraddha Sheshadri [Team Dhara], 6th Sem have secured third position in 'Techkriti - AeroDes'- National UAV design contest, IIT Kanpur.



Shraddha Sheshadri, Nehi Sinha, Vedang Pradeep and Pranav Gupta (Team Pravaah), 6th Sem, have secured first position in a national aircraft design competition organised by Kumaraguru College of Technology in association with Leap Aeronautics, The Aeronaut and The Institution of Engineers.

Student Achievements

Your wings already exist, All you have to do is FLY

Ms. Ashwini Gaonkar, 8th Sem, has secured a Master of Engineering program in Aerospace Engineering at ISAE Supaero college at France with scholarship of 8000 euros per year. She has also secured a full fee waiver for the duration of the course.



Ms. Joshika Sachithanadan, 8th Sem, have been admitted to the MSc Aerospace Engineering course at TU Delft, Netherlands, and received a scholarship of 30,000 Euros per year - total 60,000 Euros, covering full tuition and living expenses for two years for the same.

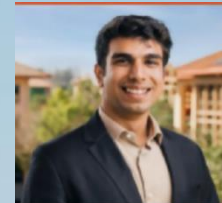


Mr. Sumit Kumar, 8th Sem, has successfully cleared the Aerospace program GATE exam 2021 and has secured an All India Rank of 73.



Alumni Interaction

Mr. Srijan Gupta has presented a Technical Webinar on 'Skills necessary to adopt, innovate and grow in corporate world'.



Mr. Dhruv Suri have been awarded the Prestigious Knight Hennessy scholarship for pursuing the Master Programme at Stanford University, USA.

Mr. Akash Pandey has presented a Technical webinar on 'Life post-Manipal: Masters, Job, and Beyond'.



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Ms. Aishwarya Ravi have been admitted to Columbia University's FU Foundation School of Engineering, Applied Science, Mechanical Engineering.



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