

PropellAir 2021

The biggest technical student event of NED University of Engineering and Technology, PropellAir was hosted by IMechE NEDUET Student Chapter. In the event, the participants had to design, fabricate and ultimately fly an unmanned aircraft. The event comprised of workshops, oral exam and e-test of participants, and actual flight demonstrations of handmade aircraft. The final contest was held on Saturday, July 10, 2021, at the football ground of the University of Karachi. The student chapter is grateful to honorable Vice Chancellor Dr. Sarosh Hashmat Lodi and Pro Vice-Chancellor Prof. Dr. Muhammad Tufail of NED University for their consistent support to student's extracurricular activities. Team IMechE NED Student Chapter under the supervision of Dr. Tariq Jamil Assistant Professor Mechanical Engineering Department NED University spend days and nights making the event successful. Special thanks to the event student leaders from IMechE NED Chapter Mr. Ibad Ghouri, Mr. Anas Azeem, Mr. Ali Farooqui, and Mr. Mohib Khalid. The organizing team also acknowledges the efforts of technician Muhammad Sharif of the Mechanical Engineering Department for devoting time and helping students in the fabrication process at the carpentry shop of the university.

Total of thirteen teams from different technical institutes of Pakistan participated in this mega-technical event. The participating teams tried their best to present an ingenious design that was different from the other planes, so as to improve their chances of victory in this thrilling competition. The aircraft were restricted to be flown by professional pilots to fulfill IMechE standards. The flying and maneuverability performance of the unmanned vehicles was scrutinized by experienced and independent judges from the aviation industry

- Mr. Saad Khan (CEO, Star Air Aviation (Pvt.) Ltd.)
- Mr. Zeeshan Assani (Senior Member, Model Aeronautical Society of Karachi)
- Mr. Absar Ahmed (Lecturer, Institute of Space Science and Technology, University of Karachi)
- Group Captain (R) Shoaib Ahmed (Senior Advisor, UAS Global (Pvt.) Ltd.)

Out of the thirteen participating teams, the winner of PropellAir'21 was Team Falcon from the College of Aeronautical Engineering, CAE, NUST, Risalpur whilst Team Aspire from NED University was declared as the runner-up.

The Team IMechE warmly acknowledged the presence of honorable guests Engr. Sohail Bashir Chairman Institution of Engineers Pakistan - Karachi Center, Prof. Dr. M Javed Iqbal Director Institute of Space Science and Technology, Mr. Ghazanfar Hussain Registrar NED University, and Prof. Dr. Mubashir Ali Siddiqui Chairman Mechanical Engineering Department NED University and other delegates from the industry and academia.

The event might not have been successful without our sponsors. UAS Global (Pvt.) Ltd. was our platinum sponsor and WootTech (Pvt.) Ltd. was the winning sponsor of the completion. Other sponsors were Institution of Engineers, Pakistan (IEP), Midas Safety, and Al Dina's Enterprises. Special thanks to Prof. Dr. Javed Iqbal, Director Institute of Space Science and Technology (ISST) for getting permission to conduct the event at the football ground from the Vice-Chancellor of the University of Karachi and facilitating the IMechE team in the premises of the University of Karachi.





