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Vidyavardhini's College Of Engineering & Technology, Vasai Road

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(Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai)

NBA & NAAC Accredited

AIRNOVA

Home»AIRNOVA

Team Airnova is the official Aeronautics & Aerospace team of Vidyavardhini?s College of Engineering & Technology; the main motto of the team is to spread awareness about Technological advancements in the Aviation and Spacecraft sector. The team was established in 2019 and made an official part of the college in 2020. Since then, despite the lockdown, Team Airnova has been conducting research on RC Aircrafts, UAVs and Spacecrafts. The team functions under the guidance of our faculty in-charge Prof. Apurva Pendbhaje and along with them has had support from our other college faculties.The team provides a platform for all engineering students to come together and design, manufacture RC Aircrafts and UAVs to participate in competitions regarding the designing of UAVs & Aircrafts that can be implemented in the industry with regards to recent developments. Despite having a lockdown imposed post the formation, the team has participated in several competitions in this time.

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VisionTo provide an opportunity to learn more about Aeronautics, Aerospace industrial aspects and apply them to provide industrial solutions at national and international events.MissionTo research and learn about different technological developments in the aeronautics and aerospace industry.

Vision

Mission

Objectives :To design aerodynamically efficient, structurally agile UAVs.To innovate and experiment

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new methods of fabricating UAVs.To design an electrically sound propulsion system to lessen the impact on the environment.

Objectives :

Aerodominator 7.0 2020:Aerodominator 7.0 is a national level aero design competition brought to you by SAE-VIT. This micro class aero design competition has the main aim of designing and manufacturing an aircraft capable of carrying high payloads within a set of constraints.MSSA?s IPASC 2021:The International Planetary Aerial Systems (IPAS) Challenge is a competition for university students to design a Mars Aerial System (Vehicle) which shall be fully equipped and mission ready for Operation on Mars. Teams are supposed to carefully plan each subsystem of the Aerial System considering various extra-terrestrial parameters in design (Exceptions if any shall be mentioned). This competition is designed for students to explore their mind and spark the innovative design thinking of Individuals without putting any constraints on available physical resources. Students are encouraged to be as imaginative, creative and insightful as possible within practical implementable limits for the human race.AirnovaAirnovaAirnovaAerodominator 7.0 (virtual) 2020MSSA?s Interplanetary Aerial Systems Challenge 2021 (virtual)Gesture Controlled drone project16th (AIR)Rank 21 WorldwideResearch ProjectVaayuvaidyaDhairyaComing soon

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All of the events were financially managed by members of the team with support from our college providing reimbursements.

Faculty In ChargeProf. -Vishwas Palve-Vishwas Palve @vcet.edu.in+91 9870300102Team Airnova 3.0

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Team Airnova 3.0

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