



**PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH
COIMBATORE – 641 062**

**Report – “Inauguration of Mechanical Engineering Students Association
2023-24” & Guest lecture – “Drone Technology”**

Date and Time: 26-09-2023, 3 to 4.30 pm.

Attendees: I, II, III & IV Mechanical Engineering Students.

Venue: E6 - Mechanical Seminar Hall

Guest of Honors: Mr Gopi Kupparao, COO, Yourbackers Aeromodelling Private Limited, Mr J Lakshmi Narayanan, CEO, Yourbackers Aeromodelling Private Limited.

The Mechanical Engineering Association inauguration (2023-24) begun with the prayer song followed by lightening of lamp by the guest of honors. Mr Pavan, Secretary, MEA welcomed the gatherings and introduced the office bearers for the academic year 2023-24. Mr J Lakshmi Narayanan, CEO, Yourbackers Aeromodelling Private Limited started the session with the topic “Drone Technology”. A drone refers to any aerial vehicle that receives remote commands from a pilot or relies on software for autonomous flight. Many drones display features like cameras for collecting visual data and propellers for stabilizing their flight patterns. Sectors like videography, search and rescue, agriculture and transportation have adopted drone technology. Mr Gopi Kupparao, COO, Yourbackers Aeromodelling Private Limited briefed the various field application of drones. Originally developed for the military and aerospace industries, drones have found their way into the mainstream because of the enhanced levels of safety and efficiency they bring. These robotic UAVs operate without a pilot on board and with different levels of autonomy. A drone’s autonomy level can range from remotely piloted to advanced autonomy, which means that it relies on a system of sensors and LiDAR detectors to calculate its movement. Different drones are capable of traveling varying heights and distances. Very close-range drones usually have the ability to travel up to three miles and are mostly used by hobbyists. Dr R Ramesh, HoD/Mech honored the guests with momento. Mr Mohamed Arshad, Joint Secretary, MEA briefed about the plan of activities for the current academic year. Various student projects such as Rover, E-Baga, Formula Bharat car projects were appreciated with a small mometo by the chief guests. Finally, the session ended with a vote of thanks by Ms Priyanka, II-year Mechanical engineering, Executive member MEA.



Fig 1, Mr J Lakshmi Narayanan, CEO, Yourbackers Aeromodelling Private Limited delivering the expert guest lecture during the “Inauguration of Mechanical Engineering Students Association 2023-24” on 26.09.23.

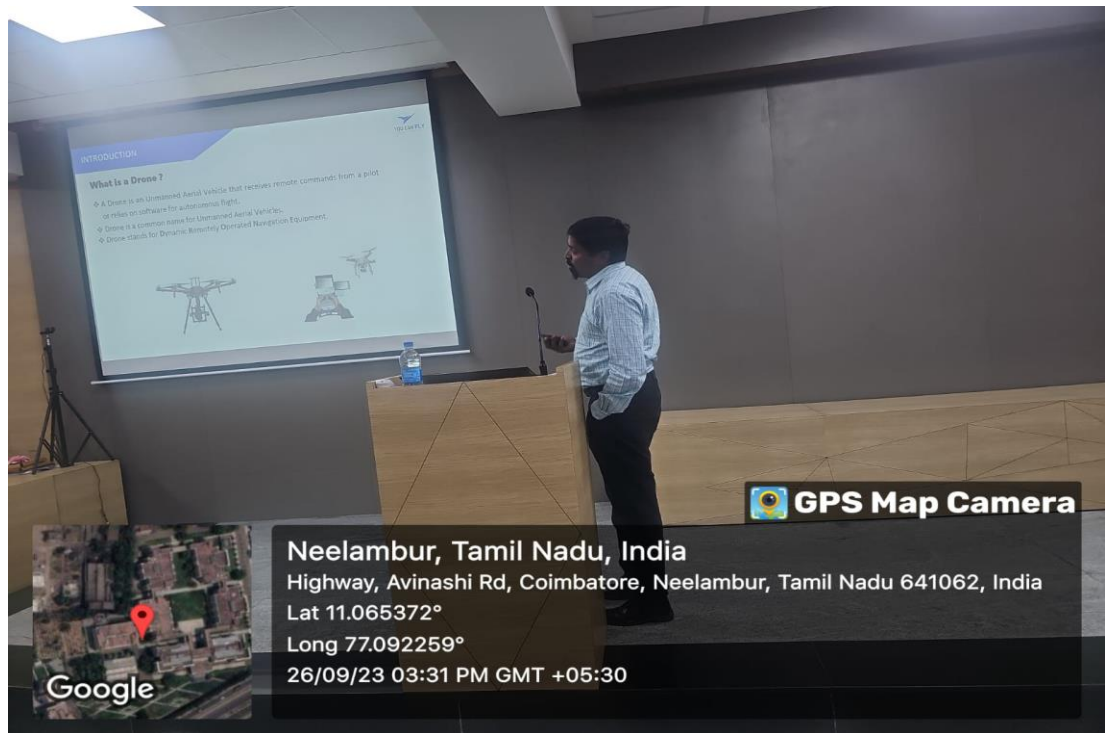


Fig 2 Mr Gopi Kupparao, COO, Yourbackers Aeromodelling Private Limited delivering the expert guest lecture during the “Inauguration of Mechanical Engineering Students Association 2023-24” on 26.09.23.



Fig 3 Group photo of Office bearers with guests of honors, HoD and faculty members during the “Inauguration of Mechanical Engineering Students Association 2023-24” on 26.09.23.