

GOVERNMENT POLYTECHNIC VALSAD (629)

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON EXPERT LECTURE

The department of Mechanical engineering of Government Polytechnic Valsad organized an expert lecture for the fifth semester students on “Design of RC Airplane” on 23-09-2022.

The Guest speaker Mr. Snehal Patel, Lecturer, Government Polytechnic Rajpipla was heartily welcomed by Mr. H. B. Patel, Head of the department of Mechanical.

The speaker introduced the radio controlled plane (RC Plane) is a small flying machine i.e. controlled by an operator on the ground using a hand held transmitter. The plane is controlled using a transmitter communicating with a receiver sending signals to servos onboard the plane. The aerodynamics governing these aircrafts is the same as those governing large aircrafts.

As per the feedback received from the participants it was a very good learning experience, the lecture helped them in understanding the design, analyze and build an RC plane, various aerodynamic forces and moments acting on the plane, choosing the right motors, controllers for its operations and hence making it fly and how to apply the concepts learned in their curriculum to do projects.



