



Pravega



Hosted at  
**IISc**  
BANGALORE

# **Rubber powered fixed wing vehicle**

One day hands-on workshop on Micro Airplane MAV

## Content Outline

1. Introduction to flying vehicles & History
2. Introduction to UAV field and its market
3. Basic principles of Aircraft
4. Design methodology
5. Aerodynamics
6. The four forces
7. Power plant
8. Flight dynamics and control theory
9. Working of rubber powered aircraft
10. Construction
11. Introduction to RC Airplanes
12. Flight Trials

## Advantages of attending the workshop

1. The program is designed to teach the students in a fun filled way, increasing their interest in subjects.
2. Workshop to be handled by experienced tutors with aerospace background.
3. Students will learn about the booming Unmanned Vehicles field.
4. Internationally recognized certificate from Avian Aerospace through International Accreditation Organization (IAO)

## KIT Details

1. One rubber powered airplane kit (for a team of two)
2. One tool kit (for a team of two)
3. Certificate (Each participant)