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AERONAUTICAL SOCIETY OF INDIA
Bangalore Branch

AEROMANIA

VYOMA

RC PLANE WORKSHOP

Organized by TEAM VYOMA

RULEBOOK

RV College of Engineering®, R V Vidyanikethan P.O,
Mysuru Road, Bengaluru – 560059

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WORKSHOP DETAILS

Ever wondered how it feels to design your own aircraft and see it soar into the sky?

Then Take a Break and come to RC Aircraft Workshop at RVCE

About Workshop:

You get the opportunity to understand the theory underlying aircraft operation and aircraft design by attending this RC workshop. It encourages innovation by forcing you to design your own RC aircraft and build it from the ground up. You may create your own plane with the aid of an interactive lecture and hands on sessions.

Outcomes:

- Design, Build & Test your first RC Aircraft from scratch!
- Hands-on experience on the electronic and electrical instrumentation of an RC aircraft
- Learn all the basic concepts which are used for flying aircraft
- Introduction to Unmanned Aerial Systems (UAS)
- Applications of UAV

Registration Fee : ₹1,400 per person

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Timeline:

Date	Time	Topics Covered
Day 1 (4th Jan)	Session - 1 12.00 PM to 02.00 PM	Intro to UAV, Remotely Piloted Aircraft (RPA), Classification & Applications of Unmanned Aerial Vehicles. Intro to RC Electric Glider –Forces Acting on Aircraft – Aerodynamics – Avionics - How Aircraft Fly -Pitch, Yaw and Roll. Components used in RC Electric Glider – Control Surfaces, Servo Motor, Battery, BLDC Motor, ESC, Propeller, Actuators, Sensors, Transmitter and Receiver.
	Session - 2 3.00 PM to 5.00 PM	**Hands On Session 1** RC Electric Glider Design Parameters, Fuselage and Wingspan Calculation, C.G Estimation. Fuselage fabrication
Day 2 (5th Jan)	Session-1 10.00 AM to 4.00 PM	**Hands On Session 2** Control Surfaces Fabrication – Electronics Integration. Wing and Tail fabrication – Integration of electronics and control surfaces check – C.G Balance – Pre Flight-Checks- Test Flight

Registration Link:

Any doubts, please contact

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