

RC Aircraft Design, Fabrication and Flying Workshop



“The knack to flying is learning how to throw yourself at the ground and miss”

-Douglas Adams

At the dawn of the twentieth century, having explored and conquered all land, man turned his eyes skywards. For much of history he has been trying to conquer this seemingly unbeatable foe. The skies continued to elude him until finally, the Wright brothers finally conquered the skies one windy morning in the winter of 1903. Since then the aircraft industry has exploded, and aeroplanes have captured the imagination of the human race.

Workshop at AEROTRIX gives participants an opportunity to understand the theory behind the functioning of the aircrafts and aircraft design. It makes participant

Innovate by coming up with their own design of many aircrafts and fabricating them as per their design. This workshop takes the participants through a series of interactive lectures and design sessions supplemented by practical sessions, thereby providing a complete learning experience.

Workshop Specialties

- ❖ **No pre-designed kits are given to participants. Participants design their own aircrafts(using hand calculation and software) under the guidance of our professionals which are later fabricated by them.**
- ❖ **The workshop is personally organized by IIT KANPUR aerospace engg. graduates.**



Course Details

Workshop Structure:

The workshop is divided into 4 modules:

- Understanding Flight
- Design
- Fabrication
- Flying

There will be a competition at the end of the workshop in which the completed models will compete to win a surprise prize!

Kit Contents:

- Engine/ Electric Motor *
- Electric Motor Controller *
- Propeller *
- Transmitter *
- Receiver *
- Li-Po battery *
- Servo motors (3 pieces) *
- Landing Gear (tail wheel)
- Landing Gear (main)
- Wheels (2 pieces)
- Coroplast
- Styrofoam
- Bio Foam
- Control Rods
- Epoxy Glue
- Wing Holders
- Working Tools #
- Other miscellaneous items

***These components will be provided during the workshop, but would be taken back after the workshop. This is being done to reduce the cost of the workshop and make it affordable for students who do not want to buy the complete kit and will cost Rs. 7,500.**

However, students can purchase complete kits (excluding Transmitter and Receiver) by paying Rs. 12,500/-

working tools will be taken back after the completion of workshop.

Students can purchase complete kits by paying additional charges.

Software:-Software used to design and test RC planes

- RC stimulator
- RC flying tutorials and videos.

NOTE:-Participants are required to bring their own calculators.

Schedule

Duration : 2 days (8 hours on each day)

Date : 17 and 18 Feb , 2012

Organisers : AeroTriX

Cost : Rs 7500/- per team for the basic kit and Rs 12,500/- for the permanent kit.

Participants can register in teams of maximum 6 members.

For registration & further queries contact :-

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