



BRIEF

**CATEGORY C:
RADIO CONTROL FLIGHT**

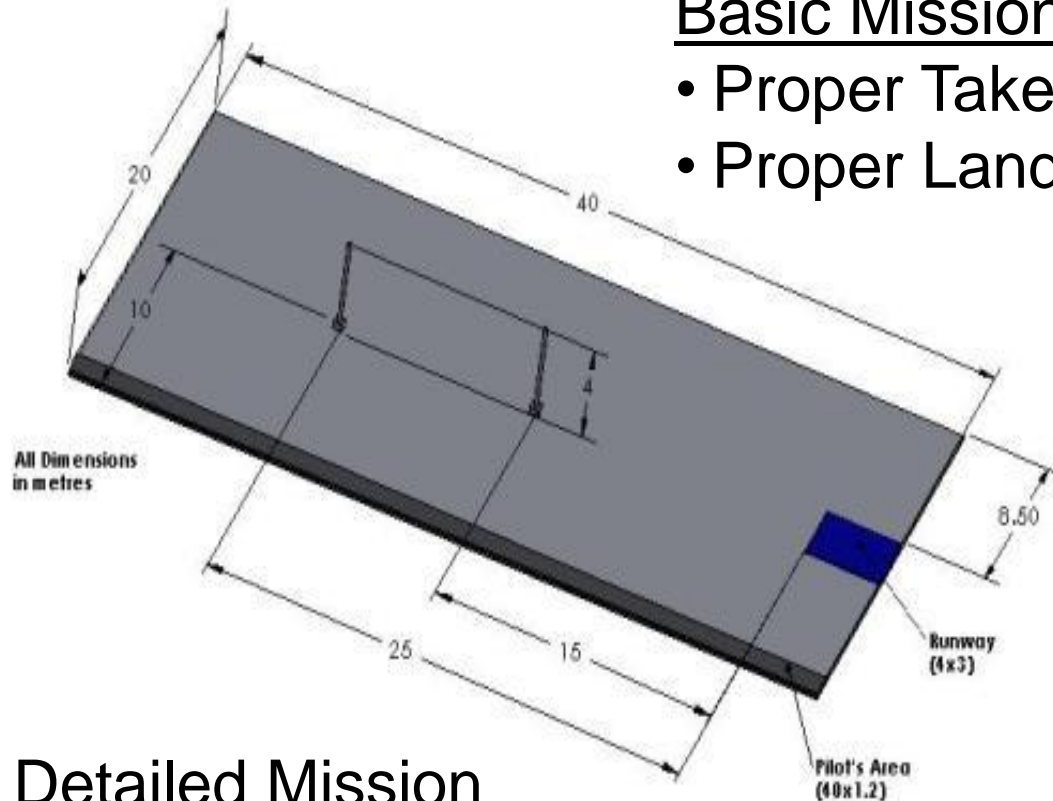
CHALLENGE

To design and build a small radio-controlled **fixed wing plane** or **kite plane** to fly and perform as many “Figure of 8” routine as possible in the flying circuit.

MISSIONS

Basic Mission

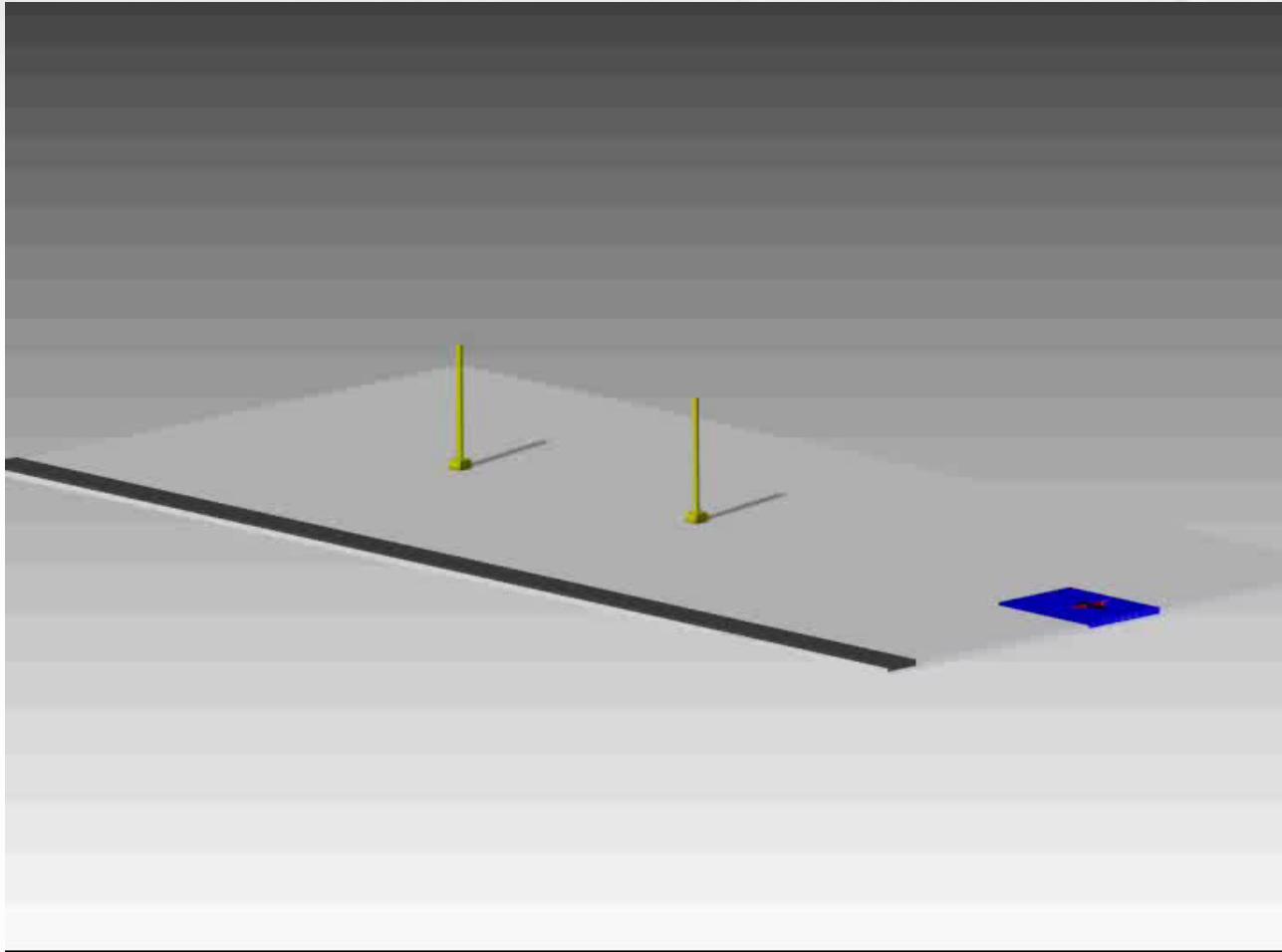
- Proper Take-off from the runway
- Proper Landing on the runway



Detailed Mission

- Proper Take-Off from the runway
- Number of Fig-8s completed
- Proper Landing on the runway

COMPETITION SETUP



RULES & REGULATIONS

- Each team comprises of two to five students.
- Graduated students or students graduating in Year 2011 can register as long as they register under the banner of their respective school or as an Independent group, as the competition is held in March 2012.
- Complete off-the-shelf flying kits are not allowed but COTS components are permitted.

AWARDS

Type	How do we win that?	Weightage (for the Championship Award)
Championship	Overall Champion	--
Endurance	Longest flight time	20%
Precision	Highest point obtained for landing close to the target	20%
Acrobatics	Most number of loops around a vertical pole	15%
Aesthetic	Most artistically decorated flying machine	0%
Creativity	Best innovative and original flying machine design	10%
Theory of Flight	Best knowledge in aerodynamics principles in the fabrication of the paper airplanes	20%
Presentation	Best exhibit creativity, fluency in the presentation of their team's work	15%