**Drone-TechX** (Registration Fees Rs. 600)

## TASK:

To fly a drone which can cross the obstacles and wind patterns, carry and hover with the given load.

## PATH:

The path will consist of pillars, loops, bends, underpass, turbines, overpass and secret elements placed in random sequence along an aerial track ending to a drop zone and landing pad, testing pilot and machine maneuverability skills.

## Bot Specifications:

1. Machine dimensions should be less than 800 mm.

2. .Teams can bring not only Drones but other flying machines as-

Quad copter, Hex copter and Octorotor.

## Game Rules:

1. If the drone successfully crosses an obstacle without dropping the kit, then it will be awarded points. If drone drops the kit while crossing an obstacle, then only Points for crossing the obstacle will be awarded, award for carrying payload will not be awarded.

2. During departure and approach to landing, the pilot must not fly the aircraft in a pattern that will allow the drone to enter any of the no fly zones. The run would be counted as null and void in the event the drone enters into any one of the no fly zones. The participant shall then have no further flying attempts.

## Abstract Outline:

The competition will be held in 2 rounds.

**Round 1** consist of the drone which covers the complete path in minimum amount of time will be the winner.

**Round 2** consist of flying the drone with all the obstacles.

**Team Specifications:**

A team can consist of a maximum of 4 participants. Students from different educational institutions can participate.

**Eligibility:**

All students with a valid Student identity card of their respective educational institutions are eligible to participate.