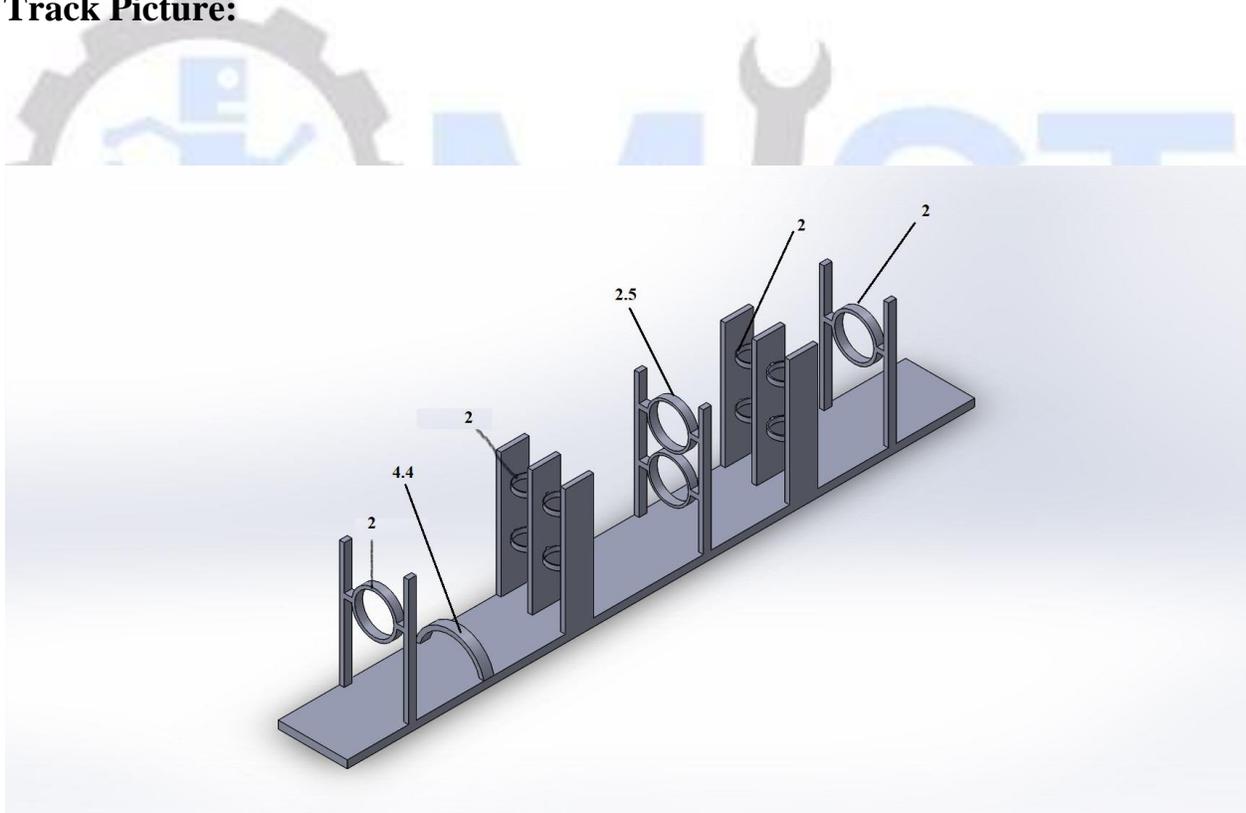# ROBOLUTION 2018

Eagle

Rules:

- ✓ Any team can have maximum 6 members.
- ✓ Participants must come to the premises 1 hour before the inauguration ceremony.
- ✓ Participants must submit their quads to the organizing committee before 9 am.
- ✓ Autopilot, Sonar, Obstacle avoidance system and auto leveling mode ex: Loiter, alt hold etc. is prohibited. If found, the bot will be disqualified.
- ✓ A team will be given 5 minutes to complete the track.
- ✓ Quadcopter should be operated manually.
- ✓ Pilot should stay in the zone allotted for Pilot, if goes outside 20 point deducted each time.
- ✓ Jamming device is prohibited.
- ✓ Trial run in the track is not allowed.
- ✓ If quad crosses the height of 15 feet, 40 points will be deducted.
- ✓ Ready-made quad will not be allowed.
- ✓ Total round will be revealed 2 weeks before the competition.
- ✓ If quad is fitted with GPS, GPS should be removed before competition.

Track Details:

1. Starting And Ending place will have a circle surface having **2 feet diameter**.
2. Quad will have to go through 1 bottom half circle of **diameter 4.4 feet**.
3. Quad will have to pass 4 circle of same **diameter of 2 feet**; circle height will be **3.5 feet** and **6 feet** from ground surface respectively.
4. There are 2 more circles of **2.5 feet diameter** each.
5. The authority will decide starting direction.

Track Picture:

Points:

Event	Points for each event
Take off	30
Crossing each obstacle	30
Touching ground	-10
Touching wall	-15
Crossing 15 feet	-40
Safe Landing on the landing pad	30
Avoiding one obstacle	-25
Time taken to complete the track	Time taken*0.25

NB:

1.   The organizer's reserve the right to make changes to any of the above in the interest of fair play and sportsmanship, and to ensure that all competitors have an enjoyable competition.

2.   In the event of ambiguity, the organizer's interpretation of any clauses of the rules shall prevail