**GLIDEon**

* **Problem Statement:**

Design and Fabricate a Styrofoam Glider and fly it to perform the given task.

* **Rules and Regulations:**
* **Model Specifications:**
* The model should be a Styrofoam glider which can glide without any power.
* The wing span should not exceed 200cm.
* The model can be hand launched or any mechanism can also be used to lauch the model.
* The aero model must be hand-made.
* For information on design you are advised to visit http://students.iitk.ac.in/aeromodelling.
* Participants can use Design-Foil software to design the aircraft wing.
* Participants must make all parts of the glider themselves. Usage of Ready-to-Fly (RTF) and Almost-Ready-to-Fly (ARF) kits is strictly prohibited. Use of servos and remote control is allowed.
* Use of gyroscopes (gyros) is prohibited.
* If anyone is found not following above rules, they will be disqualified. Use of CF rods allowed for strengthening.
* **Team Specifications:**

A team can consist of maximum of 3 members each.

Maximum 5 teams can participate from each pool.

* **Event Structure:**
* 3 teams will be selected based upon their gliding distance without the use of control surfaces with only one chance of throw.
* All the qualifying teams will fly their gliders using only ONE control surface for the final round.
* The glider will be launched from a specified place which will be at a height of atleast 10m from ground.
* Each pool will be given 2 servos for the event.
* 2 chances will be given in the final round. The best attempt will counted for their score.
* **Judging Criteria:**

**Final Round**

* The direct distance between the launching point and the point where the glider touches ground will be measured.
* The teams will be given the final ranks according to the distance travelled by their gliders in final round.
* In case two teams (among top three) have same scores, the lower score of their two attempts will be compared.

**Note: In case of any disputes, the decision of the coordinators would be final and binding to all.**

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In case of any doubt, contact the secretary of your hall or any of us.