



THERMAL WINGS

VYOMA 25

26TH APRIL



INTRODUCTION

**THE GLIDER COMPETITION AIMS TO ENCOURAGE
INNOVATION AND ENGINEERING SKILLS IN
AERODYNAMICS AND FLIGHT STABILITY. PARTICIPANTS
WILL DESIGN, BUILD, AND LAUNCH UNPOWERED GLIDERS
TO ACHIEVE THE LONGEST DISTANCE, DURATION, OR
PRECISION LANDING**

MISSION PROFILE

**LONGEST FLIGHT TIME - THE GLIDERS THAT HAVE BEEN
BUILT MUST BE AIMED AT OBTAINING HIGHEST FLIGHTIME
FROM THE SECOND IT IS LAUNCHED**

DESIGN REQUIREMENTS

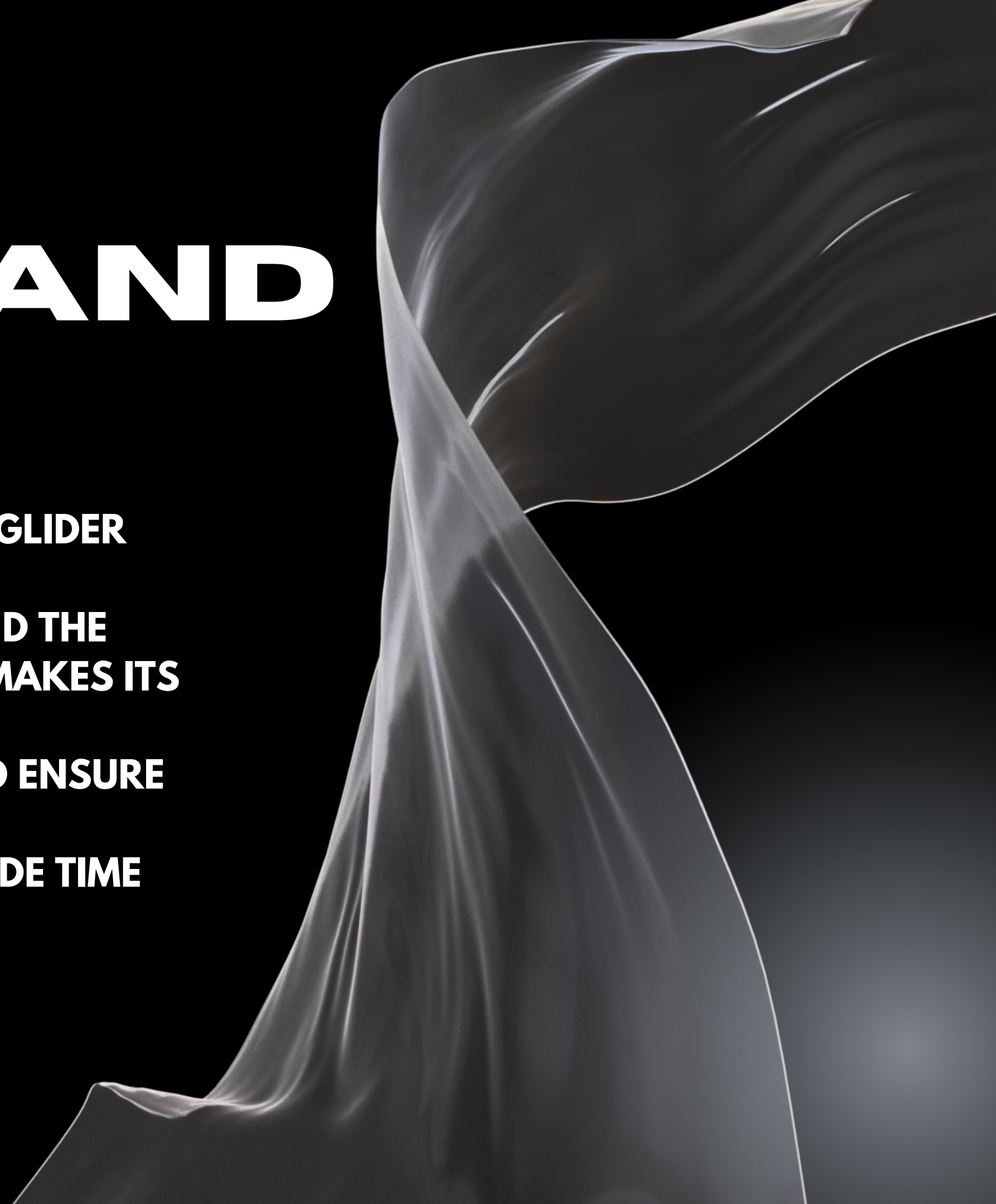
- **GLIDER MUST BE UNPOWERED**
- **MAXIMUM WINGSPAN - 50CM**
- **MINIMUM WINGSPAN - 15CM**
- **GLIDER CAN BE MADE OF ANY DESIRED MATERIAL
EXCEPT METAL**

RULES

- **PARTICIPANT WHO IS LAUNCHING THE CRAFT SHOULD STAND BEHIND THE DESIGNATED LAUNCH ZONE WHILE LAUNCHING**
- **EACH PARTICIPANT WILL BE GIVEN TWO ATTEMPTS**
- **ANY PARTICIPANT WHO LAUNCHES THE GLIDER CROSSING THE LAUNCH LINE WILL BE GIVEN A WARNING**
- **REPEATING THE ABOVE WILL LAND IN DISQUALIFICATION**
- **IF THE GLIDER HAS BEEN DAMAGED OR HAS TAKEN IMPACT THE PARTICIPANTS CAN UTILISE THE TIME IN BETWEEN THE ROUNDS TO FIX IT**
- **THE GLIDERS CANNOT BE REPLACED FOR THE 2ND ATTEMPT BUT CAN BE FIXED**
- **BEST OF THE TWO ATTEMPTS WILL BE CONSIDERED**

SCORING AND JUDGING

- **ONCE THE PARTICIPANT LAUNCHES THE GLIDER THE TIME WILL START**
- **THE TIME IS MEASURED FROM THE SECOND THE GLIDER IS AIRBORNE TO THE SECOND IT MAKES ITS FIRST CONTACT ON GROUND**
- **A DIGITAL STOP WATCH WILL BE USED TO ENSURE ACCURACY AND FAIRNESS**
- **THE GLIDER WHICH HAS THE HIGHEST GLIDE TIME WILL ATTAIN MAXIMUM POINTS**



PRIZE

**A PRIZE POOL OF Rs 5,000 WITH CERTIFICATES TO THE
TOP 3 TEAMS**

CONTACT US

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