

## Challenge Brief

### **Objectives/Rationale:**

*Space is the final frontier. It is necessary to encourage students of all ages to be encouraged in learning space science. There is no better way to learn space science than to build and launch model rockets. However, since this involves hazardous materials and pyro technique, it is necessary to build an eco-system involving policies, procedures, and controlled protocols for launching rockets. Model rockets, regardless of size, can't and should not be launched from any location. They must go through a certification process and be launched from an approved launching ground.*

### **Problem statement: [the problem that needs to solve]**

*Design, build and launch model rockets reaching the edge of space and while doing so, build a safe and compliant eco-system for model rocketry that the hobbyists and students can follow. The challenge should focus on the fundamentals of rocket science. There can't be any guidance system on the rockets. Only telemetry devices will be allowed.*

### **Outcomes/result: [e.g., commercially viable X number of products/services/solutions, sustainably impacts Y number of people, public good project for national interest in health/ education sector]**

*To encourage all STEM students and hobbyists to get involved in space science. The project will create tremendous enthusiasm and interest in science.*

### **Minimum viable features (if any):**

#### **Not limited to**

- *Detailed description of how the project will be implemented*
- *Detailed technical design to make the project sustainable*
- *Detailed plan on how to engage the students*
- *In-depth knowledge about the scientific theories that the project will address*
- *Detailed description on how it will help build the eco-system*
- *A proposal from an accredited university or an affiliation with a university will have extra credit*

### **Target audiences:**

*The contest is open to any legal entity (including natural persons) or group of legal entities established in Bangladesh or any accredited educational institutions*