Shaheen
To infinity and beyond!

DESIGN JUSTIFICATION

Shits center of gravity towards the top to provide stability

The Skirt

Uses aerodynamic forces to release parachute at the highest point of flight

Part I

Finns
Reduces perturbations by balancing aerodynamic forces about the center of gravity

Part II

Nose Cone
Parachute

Attach to the base

INNOVATION

SAFETY

• The fins ensure that the rocket stays vertical during its flight
• No pointed objects were used
• Pressures were closely calculated to ensure that the rocket does not burst

SUSTAINABILITY

The rocket can be reused after making minor adjustments to the skirt as no parts are lost during flight.

TEAM
- Eerbeek 3 -
Abdullah Mirza (Aerospace)
Cherry Yau (Architecture)
Francisco Manteiga (Chemical Eng.)
Hao Ge (Sustainable Energy)
Himanshu Saraswat (Computer Eng.)
Julian Odio (Construction Management & Eng.)
Konstantinos Gkougkoulas (Computer Eng.)
Lucia Fernandez-Renau (Industrial Design)
Wei Yun Lin (Urbanism)
William Suriana (System & Control)

ACTUAL PHOTO

No pointed objects were used
Pressures were closely calculated to ensure that the rocket does not burst

Around 1/4 of the bottle, allowing space for air pressure to boost the rocket

Uses aerodynamic forces to release parachute at the highest point of flight