

Captain KHOJ

A Pathway to International Space Contest



Classroom learning alone cannot build systems thinkers



- Global space contests demand research, collaboration & resilience
- Students need real-world problem exposure

- Future-ready learners need hands-on challenges, not just theories
- India needs early preparation for international platforms



Captain Khoj bridges this gap

What is Captain Khoj?



Designed for Grade 8–11 students



Combines assessment, training, immersion & mentorship



Leads to international space design contests



Focused on space settlement & systems thinking

Outcome: A globally prepared young space thinker



Captain Khoj Selection Pathway



School-level enrollment (120 students)



Digital Space Readiness Assessment



Top 6 shortlisted per school



1 student selected as Captain Khoj

+ Other 5 students:
Overnight Leadership Camp in Hyderabad



+ Enrolment for
design software



3ds Max dashboard &
access to 8 online sessions
from domain experts



5 Day Immersive Himalayan Camp



Location: Foothills of the Himalayas



Residential & experiential learning



Real-life problem solving



Nature as the classroom

This is where transformation begins.

Note: The participant need to plan travel ex Delhi pick from Delhi and dropback to Delhi



Core Life Skill Training



Systems Thinking



Team Dynamics



Emotional Intelligence



Decision Making under Uncertainty



Adaptability & Resilience



Space Settlement Learning Domain



Life Support Systems



Energy & Power



Space Debris



Structures & Materials



ISRU (In-Situ Resource Utilization)



Human Factors & Safety



Design thinking workshops




Students don't just learn – they build.

- ✓ Design thinking workshops
- ✓ Continuous mentoring & reviews



Design, Tools and Certification

✓  6-month 3D Design Training

 Tools like 

 Individual dashboards

 Structures & Materials

✓ ISRU (In-Situ Resource Utilization)



✓ Students graduate with real design skills



International Exposure and Recognition

- ✓ International space settlement contests
"NSS Gerard K. O'Neill Space settlement Contest"
- ✓ Project presentation at global forums
- ✓ Exposure to global standards & peers
- ✓ Opportunity to represent India internationally
- ✓ Opportunity to win \$16,000 and visit NASA with Conference



- ✓ Students graduate with real design skills



Who should join & call to Action

- ✓ All the students from grade 8-12
- ✓ Curious about space & science
- ✓ Ready for commitment & teamwork
- ✓ Aspiring for global exposure

[Join Now](#)

Join now for an unforgettable journey towards global exposure!

