

JULY HIGHLIGHTS

LAUNCHING FUTURES: A MONTH OF MISSIONS, MILESTONES & MOMENTUM

July was all about ambitious missions, real-world outcomes, and high-impact student journeys. From international collaborations to CubeSat development, here's a look at what made this month extraordinary at Lab of Future!

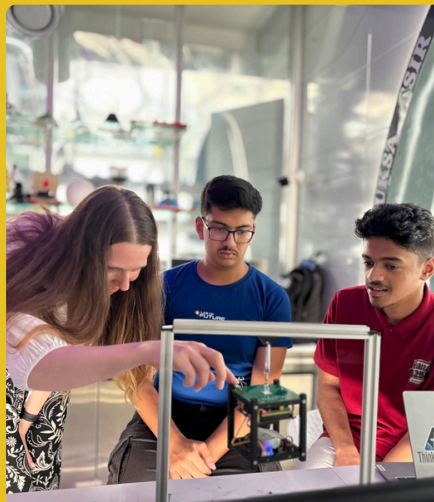
ORBITA MISSION 25: UAE STUDENTS BEGIN BUILDING CUBESATS FOR STRATOSPHERIC LAUNCH

ORBITA Mission 25 is underway — UAE's first student-led stratospheric CubeSat launch in partnership with Future of Education (Russia).

Students are now working hands-on with Russian aerospace engineers in Dubai, developing and testing real CubeSat payloads for a live stratospheric launch in Moscow on **August 22**.

This full-cycle international mission includes:

- Smart IoT Systems using Arduino
- Real-time training with global experts
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- Pre-launch testing & integration
- Participation in the International Youth Science Forum



A first-of-its-kind global aerospace challenge — and a historic leap for UAE students.

INTERNATIONAL LAB TOUR: ARUNDEL SCHOOL, ZIMBABWE

This month, we welcomed students from **Arundel School, Zimbabwe** for an International Space & Tech Workshop in Dubai. Over six immersive days, students explored:

- **Rocket propulsion**
- **Satellite ground control**
- **Autonomous robotics**
- **AI & disaster monitoring**



They returned home with prototypes, presentations, and renewed purpose — ready to drive change in their own classrooms and countries.



SPARK LAB LAUNCH: DWIGHT SCHOOL, DUBAI

We commissioned a state-of-the-art **Robotics & Drones Innovation Lab** at **Dwight School** this July.

Students will now learn:

- **Block-based and advanced robotics**
- **Drone assembly and autonomous flight**
- **Real-world project building from start to finish**

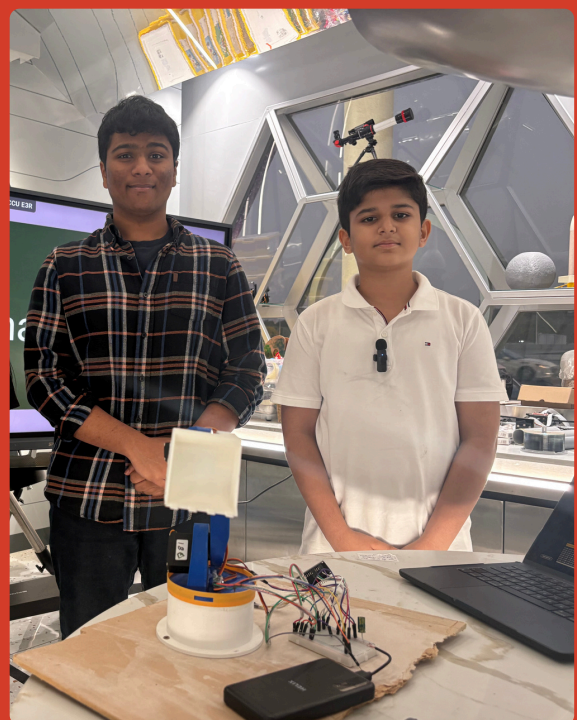
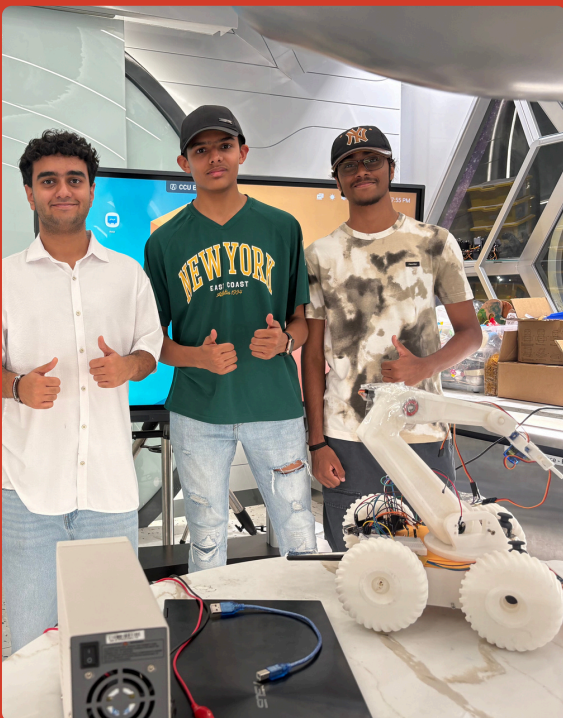
From circuit boards to flying bots, Spark Lab will build creators, not just coders.



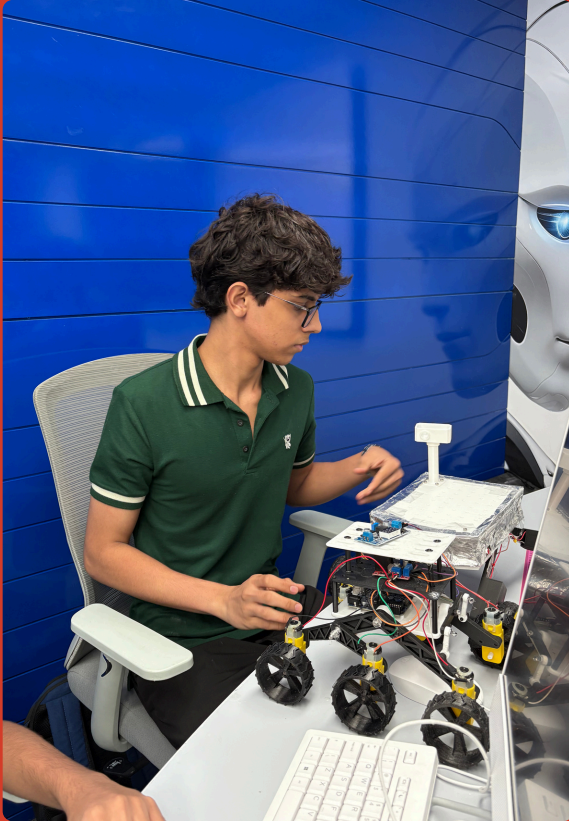
INTERNSHIP OUTCOMES: 70 STUDENTS, 4 MAJOR SPACE PROJECTS

Our July cohort of **interns**, divided into 8 research teams, successfully completed the following real-time projects:

- **Lunar Robotic Arms** for extra-terrestrial construction



- **Rover Systems** for planetary exploration



- **CubeSat Prototype** for monitoring natural disasters



- **Orbital Debris Cleanliness System** to address space waste



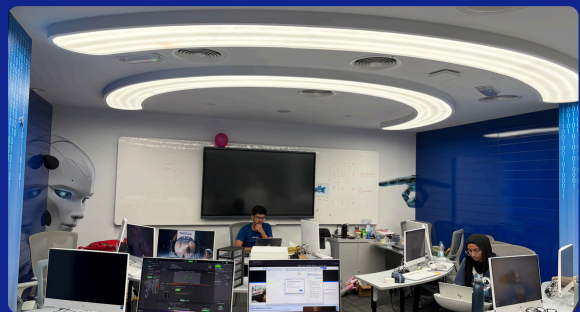
This was more than just prototyping. Students went through a research-backed development cycle including system design, documentation, presentation, and expert reviews.

R&D Lab Setup: Chennai, India

A fully functional **R&D Lab** was established in **Chennai** with a team strength of **80+ researchers and developers**.

The lab will power:

- **Future-focused curriculum innovation**
- **Product development for global classrooms**
- **Advanced robotics and AI module creation**
- **Research collaborations with global experts**



This is the new innovation engine behind Lab of Future.

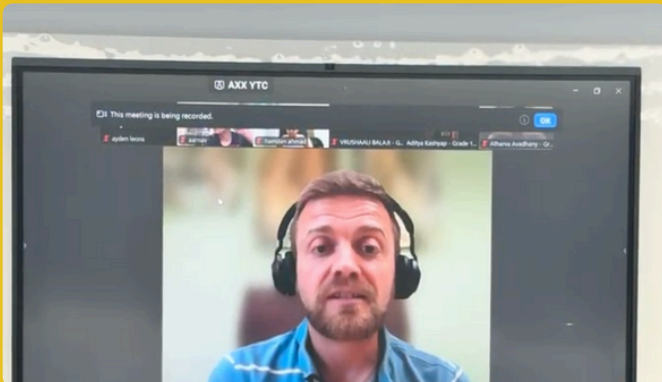


Scientist Interactions: NASA, ESA, and More

Students interacted live with:

- **George Salazar** – Systems Engineer, NASA
- **Madison Feehan** – Ex-NASA & Founder, Space Copy
- **Vitali Braun** – Space Debris Engineer, ESA
- **David Barnhart** – Space scientist & Founder, Arkysis

From ISS design systems to orbital path planning and planetary defense — these sessions inspired students to ask deeper questions and imagine bolder futures.



Summer Camp Success: 500+ Students, 4 UAE Locations

Our Futuristic Space-Tech Summer Camp is running full steam across Dubai, and Sharjah, with 500+ students joining in.



Students built:

- Balloon-powered bots



- AI games and automation tools



- Space rovers and coded drones



- Satellite systems using real-world tech



Each camp day was filled with hands-on energy, expert mentoring, and collaborative breakthroughs.

Looking Ahead: August & Beyond

- **Orbita Mission heads to Russia** for CubeSat launch week
- **International Lab Tours** continue with schools from different countries
- **Labs@School** expands with new futuristic labs in UAE schools
- **Week Without Walls (WWW)** experiential programs begin — where the real world becomes the classroom

And that's just the beginning. So much more is coming that's going to blow your mind.



Stay tuned. Stay curious. Join the Curiosity Crew — your community awaits.

Be part of the mission. Scan the QR code to join the hub:

