

SEPTEMBER HIGHLIGHTS

LAB OF FUTURE — A MONTH OF NEW LABS, BOLD IDEAS
& STUDENT BREAKTHROUGHS

September wasn't just about launching new STREAMER Labs — it was about students proving what's possible when curiosity meets opportunity.

From a 16-year-old designing a **space debris collection system**, to a 12-year-old decoding **exoplanet data from ESA satellites**, to AI-powered solutions tackling **real-world insurance challenges**, our learners showed the world what the future looks like.

At the same time, our new labs opened their doors, rockets were launched, and young innovators began gearing up for global competitions.



NEW LABS, NEW BEGINNINGS

This month marked the official **handover of two STREAMER Labs by Lab of Future** — our signature innovation spaces that bring future-ready learning directly into schools.

• GEMS SRI DISRUPTION LAB :

A dynamic STREAMER Lab designed to empower students to think beyond textbooks. Here, they explore aerospace, robotics, AI, and 3D design while developing critical problem-solving and innovation skills.



• DWIGHT SPARK LAB :

Another STREAMER Lab, created to ignite creativity and resilience. Backed by a structured curriculum, students engage in 12+ hands-on projects every term, turning theory into real-world applications.



Each lab integrates our unique **STREAMER** approach (*Science, Technology, Research, Engineering, Arts, Math, Entrepreneurship, Resilience*), ensuring students don't just learn skills — they build mindsets for the future.

ROCKETRY TAKES OFF

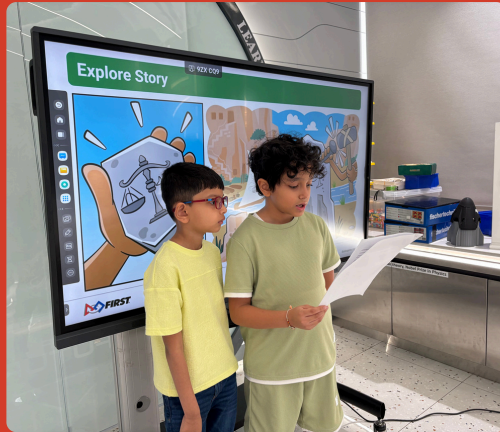
At **DESS College**, 40 aspiring engineers participated in our **Model Rocketry Workshop** — a hands-on experience that went far beyond launches.



Students explored the **principles of aerodynamics, propulsion, and stability**, learning how thrust, drag, and lift work together in flight. They conducted **BETA engine testing** to understand basic propulsion systems and built **hydro rockets with parachute recovery**, applying design thinking to ensure safe landings.

COMPETING WITH THE WORLD: FLL PREP CAMP

The **FIRST LEGO League (a global robotics competition) Prep Camp** has started for juniors and seniors. Here, robots aren't toys — they're training grounds for the global stage.



STUDENT SPOTLIGHT: NEXT-GEN INNOVATORS

AKANKSHA JULIETTE (16)

Designed and 3D-printed a **Space Debris Collection System** powered by solar energy and AI, a futuristic step toward cleaner, safer orbits.



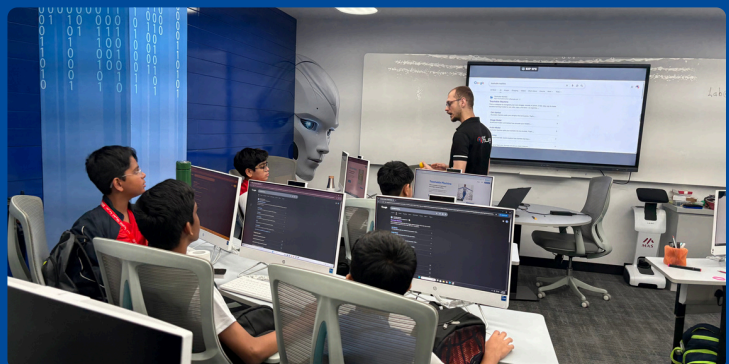
YATIKA KESHRI (12)

At the **ESA Exoplanet Hackathon**, she used real CHEOPS data to calculate the radius, orbit, and density of **KELT-3b**, a feat of astrophysics at just 12 years old.



ARSH (AI PROGRAM)

Built an ML model for **Insurance Claim Prediction**, showing how AI can solve real-world industry challenges in finance and health.



CAN SAT BOOTCAMP BEGINS

Our newest online bootcamp takes students through the **entire lifecycle of a satellite mission** from design to launch prep to data analysis. Guided by experts, this is space learning made real.



GROWING THE LOF FAMILY

This month, we welcomed **new team members** across programs, curriculum, and operations. With every addition, our team grows stronger and more determined to inspire the next generation of innovators.

EXPANDING OUR HORIZONS

Lab of Future is proud to announce the opening of **another branch in India**. This milestone brings us closer to our vision of reaching more students globally and making future-ready learning accessible across borders.

LOOKING AHEAD (OCTOBER)

- **World Space Week at Expo City Dubai (Oct 11-12 & 18-19)** – LOF collaborates with Expo City for an amazing 2-weekend adventure filled with hands-on workshops in space science and astronomy.
- **Zero Gravity Workshop in Dubai** – students from Baku join us for a 6-day hands-on program with the Space Academy of Azercosmos.
- **New School Lab Launches** – more STREAMER-powered Spark Labs opening across UAE schools.
- **Week Without Walls** – transforming schools into hubs of hands-on innovation for an entire week.
- **Global Challenge** – another exciting competition putting our students on the world stage.



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

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



**Until next time.
Team Lab of Future**

Innovation isn't dreamed, it's engineered.