



LAB OF
FUTURE

MONDAY
6 JAN 2025

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CELEBRATING DECEMBER MILESTONES & EXCITING PROSPECTS FOR 2025

As we step into the new year, let's take a moment to reflect on the incredible achievements and milestones we reached together in December. Here's a glimpse into our journey:

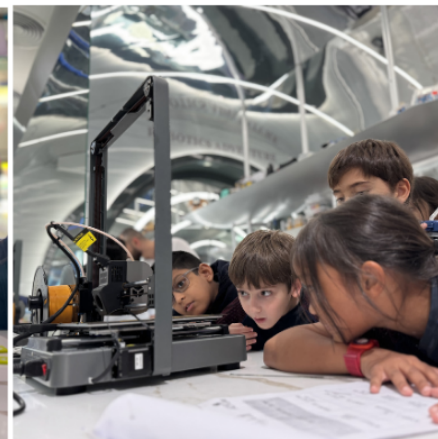
The Blue Umbrella School: Empowering Special Kids

We conducted hands-on workshops to introduce concepts of Space Science to children of determination, making learning accessible and exciting for every child.



GEMS Wellington School Lab Tour: A Surprise Exploration

Grade 3 and 4 students from the GEMS Wellington School received a **delightful surprise** before their winter break—a **lab tour** that immersed them in the wonders of **Space Science** at **Lab of Future**. The **excitement** and **curiosity** were truly contagious!





Parent Orientation: Preparing for 2040

During an insightful and engaging session, we shared valuable guidance with parents on the crucial skills their children must develop to excel in the ever-evolving future. From mastering the intricacies of robotics to understanding the transformative power of artificial intelligence, we emphasized how the journey toward a brighter 2040 begins with the steps we take today.



Awareness Seminars in Schools: Inspiring Future Careers

We hosted engaging seminars at GEMS Winchester School and New Academy School for students aged 15–18. These sessions focused on future career pathways, portfolio creation for UG admissions, and ignited interest in our winter research-based internships. Several students joined to work on real-time projects, gaining invaluable experience in areas like HAB satellite development and aircraft wing design.



Space Tech Winter Camp: Bigger and Better

This winter, we collaborated with **Bloom World Academy** and proudly hosted our second location at their campus. Our "Futuristic Frontiers Winter Camp" was a massive hit, offering students the chance to explore space tech, robotics, and AI like never before.



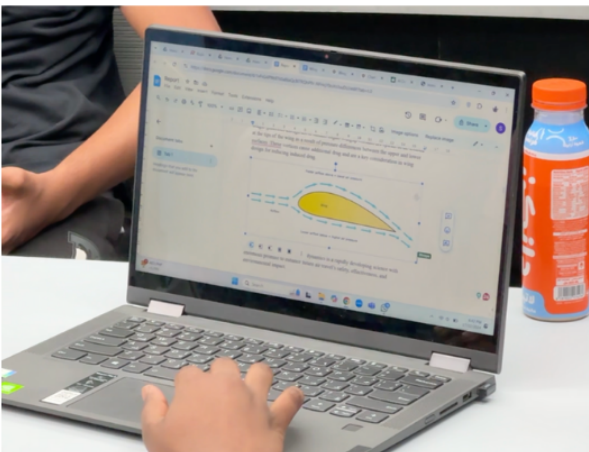
Winter Research-Based Internship: International Participation



Our winter research-based internship program for students aged 14-18 featured groundbreaking work from students across the globe, including Kuwait, India, Sri Lanka, Philippines and more.

These students collaborated on projects such as:

- Understanding and designing various aircraft wings.
- Developing HAB satellites for fire detection.





Podcast with Dr. Sudheer (Ex-ISRO): Vision 2040

In an insightful session, **Dr. Sudheer**, former Director, CBPO of ISRO shared his perspective on what 2040 holds and the skills students need to focus on today. A must-listen for anyone passionate about the future!

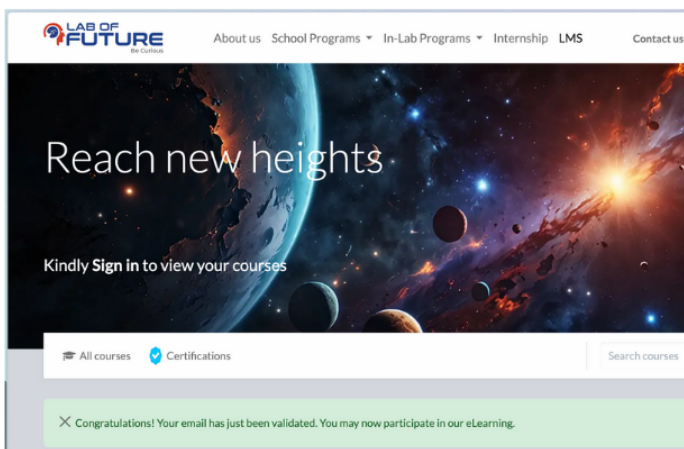


Rocket Engine Testing Chamber: A New Milestone

We've expanded our capabilities to build and test solid fuel rocket engines of Grades A, B, and C. A step forward in creating a hands-on learning environment for budding rocket scientists.

STREAMER Labs: Innovate, Design, and Build

Our STREAMER Labs initiative encourages creativity and exploration, offering students the tools and mentorship to design real-world solutions in the fields of Science, Technology, Energy, Arts, Mathematics, Engineering and Resilience.



Learning Management System (LMS): Personalized Learning for Every Student

We're thrilled to launch our innovative LMS, designed to:

- Track student progress seamlessly.
- Provide customized learning pathways based on individual strengths and interests.

- Offer a unified platform for teachers, parents, and students to collaborate effectively. The LMS ensures every student has a clear roadmap to success, making learning engaging and goal-oriented.



Sterling University Internship Project

Our students **collaborated** on a **project** involving a **computer vision-enabled smart sorter**, showcasing the **practical applications** of **AI** and **machine learning** in everyday scenarios.

Thank You for Being Part of Our Journey!

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December was a **month of growth, innovation, and inspiration**.
As we welcome the new year, we're excited to **continue building** a
future filled with **curiosity, exploration, and groundbreaking**
achievements.

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