INTEGRAL UNIVERSITY

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Brief Report on Live Sessions by Makers Lab, Infosys Springboard Organized by Department of Computer Application

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INTEGRAL UNIVERSITY
LUCKNOW
DEPARTMENT OF COMPUTER APPLICATION

MAKERS LAB ON WHEEL: THE LAB COMES YOU!

organized by
Department of Computer Application, Integral University, Lucknow
in collaboration with
Infosys Springboard, Infosys Ltd.

May 04, 2026 **09:30 AM - 04:30 PM** **Front of D Block, Central Canteen**

INTRODUCTION

The **Department of Computer Application,** Integral University, Lucknow, in collaboration with **Infosys Springboard** under its ESG Vision 2030 initiative, successfully organized the **"Maker Lab on Wheels"** event on **4 May 2026** from **09:30 AM onwards** at the university campus in front of D Block.

The event was designed to provide students with practical exposure to emerging technologies and Industry 4.0 concepts through hands-on learning and interactive experimentation. The initiative aimed to nurture innovation, creativity, technical competency, and problem-solving abilities among students by introducing them to modern technological tools and applications.

ABOUT THE Event

Infosys Springboard's "Maker Lab on Wheels" is a state-of-the-art mobile STEM laboratory initiative that brings experiential learning directly to educational institutions. The event focused on bridging the gap between theoretical knowledge and practical implementation through live demonstrations and guided experiments.

The major areas covered during the sessions included:

- Basic Electronics and Real-world Applications
- Arduino and Microcontroller-based Coding Projects
- Robotics and Bot-based Applications

- IoT-based Experiments and Smart Technologies
- Precision Systems and Industry 4.0 Technologies

The sessions were conducted by expert trainers from Infosys Springboard, who provided students with valuable insights into current technological trends and their industrial applications.

PROCEEDINGS OF THE EVENT

The event commenced at **09:30 AM** with the arrival of students and faculty coordinators at the venue in front of D Block. Participants were briefed about the objectives, schedule, and safety instructions related to the activities and experiments.

The Maker Lab vehicle, equipped with modern STEM tools and experimental kits, served as the primary learning environment for the students. The event was conducted in multiple batches, with each batch participating in a **2-hour session** comprising practical activities and demonstrations. During the sessions, students engaged in:

- Programming Arduino boards for automation tasks
- Working with robotics kits and bot control mechanisms
- Exploring IoT-enabled devices and smart applications
- Understanding precision systems used in Industry 4.0 environments

The trainers demonstrated real-time applications of automation, embedded systems, and smart technologies, allowing students to gain hands-on experience and understand industry-relevant concepts effectively.
The event also attracted the attention of university authorities, international delegates, faculty members, students, and parents, who visited the Maker Lab and appreciated the innovative learning environment and practical exposure being provided to the students. Their presence encouraged participants and highlighted the importance of industry-academia collaboration in promoting advanced technological education.

GLIMPSES OF THE EVENT

STUDENT PARTICIPATION

The event witnessed enthusiastic participation from students of the Department of Computer Application and related disciplines. Around **80 students** participated in the program across multiple batches.

Students actively engaged in the practical sessions, interacted with the trainers, and showed keen interest in understanding modern technologies such as robotics, automation, IoT, and embedded systems. The hands-on approach enhanced their learning experience and motivated them to explore innovative technical solutions.

The participants appreciated the opportunity to work directly with industry-standard tools and kits, which contributed significantly to improving their technical knowledge, teamwork, creativity, and industry readiness.

CONCLUSION REMARK

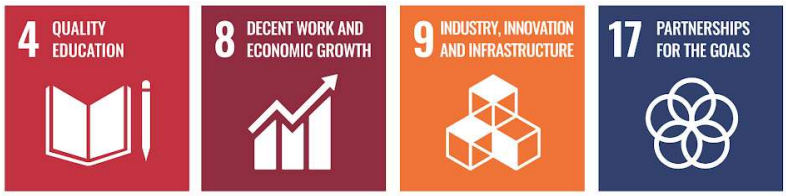
The “Maker Lab on Wheels” event proved to be a highly informative, engaging, and successful learning initiative for students. The collaboration between Integral University and Infosys Springboard provided an excellent platform for experiential learning and technological exploration.

The event successfully fulfilled its objective of promoting STEM education, innovation, and practical skill development among students. It also encouraged learners to think creatively and apply theoretical concepts to real-world applications.

The Department of Computer Application extends its sincere gratitude to Infosys Springboard, the trainers, faculty coordinators, and all participating students for making the event a grand success. Such initiatives play a crucial role in preparing students for future technological challenges and opportunities in the rapidly evolving digital world.

SDG MAPPING

Aligned with **SDG 4, SDG 8, SDG 9 and SDG 17** – Promoting quality education, decent work and economic growth, industry, innovation and infrastructure, and establishing partnerships for the goals.



Faculty Mentors:

Dr. Mohammad Faisal
Professor & Head,
Department of Computer Application

Student Coordinators:

• Anwar Ahmad (BCA Second Year)

Faculty Coordinators:

• Rizwan Akhtar
Assistant Professor
• Shahnawaz
Assistant Professor

Powered By: **Department of Computer Application**