

Description:

For students aged 14 and above, our Dev-Engineer and TechSavvy programs offer a hands-on experience in the rapidly growing field of automation. From electronics to programming, students gain practical skills and knowledge that prepare them for the future of technology using cutting-edge tools and technologies such as LEGO EV3 MINDSTORMS, mBot 2 from Makeblock, Arduino microcontrollers, Python programming language, laser cutting, and 3D printing.

These programs delve deeper into automation, machine learning techniques, and IoT concepts, providing students with invaluable insights and experience. Career guidance is a primary focus, ensuring that students receive real-world orientation and practical advice to guide their future endeavors.

Our formative assessment approach ensures continuous improvement and understanding, culminating in a final project with a prototype implementation under the guidance of MindScape instructors, who are university students themselves.

Skills and Competencies:

- Competencies: Robotics Engineering, Programming, Machine Learning, Electronics, Sensor Technology.
- Future Skills: Critical Thinking, Problem Solving, STEM Proficiency, AI and ML Literacy.
- Judgment Skills: Decision Making, Coding Logic, Digital Ethics, System Evaluation.
- Skills: Programming Proficiency, Technical Aptitude, Prototyping, Collaboration.

MindScape

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