



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed - to - be - University under Sec. 3 of the UGC Act, 1956)
Karunya Nagar, Coimbatore 641 114, Tamil Nadu, India.

DEPARTMENT OF MECHANICAL ENGINEERING

Robotics Control and Automation Lab

Robotics control and automation Laboratory is a modern facility for performing a real time experiments in the field of Automation and Robotics. The objective of this lab is to impart the knowledge on the design of pneumatic and electro pneumatic components for automation, programming for PLC/Microcontroller and robot, configuration of robot and reconfigure them for a custom application. The Lab supports postgraduate courses, research scholars and student projects. Students get practical knowledge on component selection for automation, Develop programs for different application, Configure robot for various applications. The lab also provides tools for design projects, which involve concepts and applications in terms of Robotics and Automation. This laboratory equips students with real time applications like ease to operate and program the industry oriented automation, Low cost automation, Time saving controllers etc.

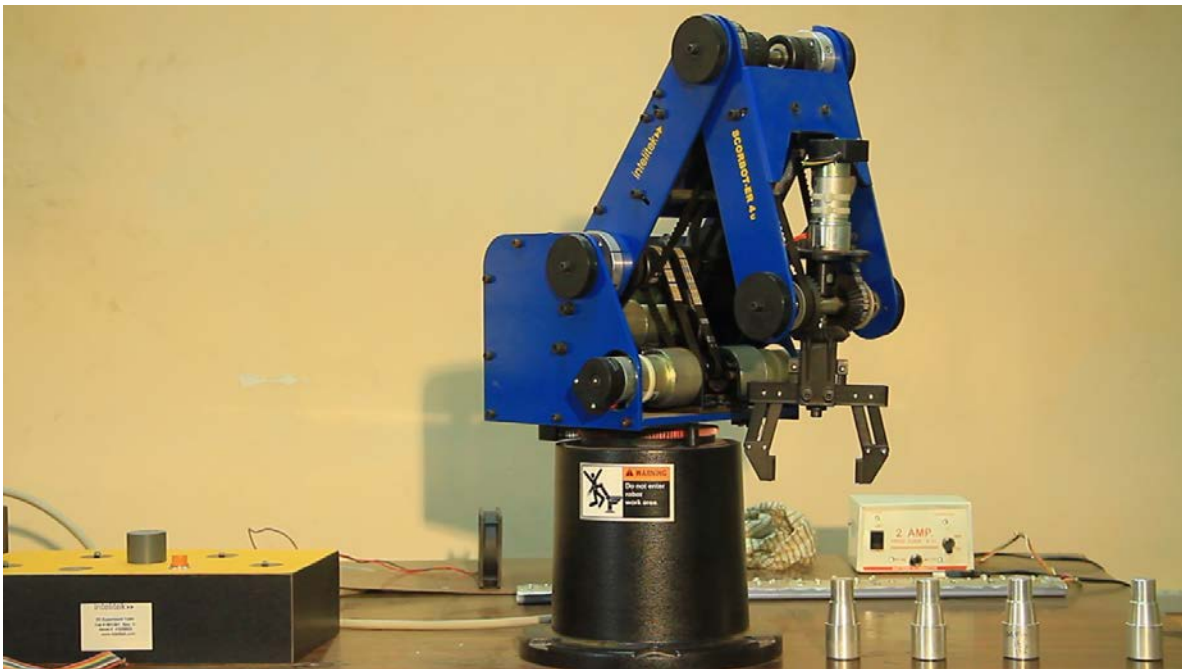
Facilities available for Class, Project work and for training

- Scara robot-4 axis (M-Tab, chennai)
- Mini robot-5 axis (M-Tab, chennai)
- Scorbtor er-4u (Intelitek, Israel)
- EasyCv2 software (Vex robotics, USA)
- Programming hardware kit (Vex robotics, USA)
- Class room lab kit (Vex robotics, USA)
- Dual control starter bundle (Vex robotics, USA)
- Fanuc robot (Fanuc, Japan)

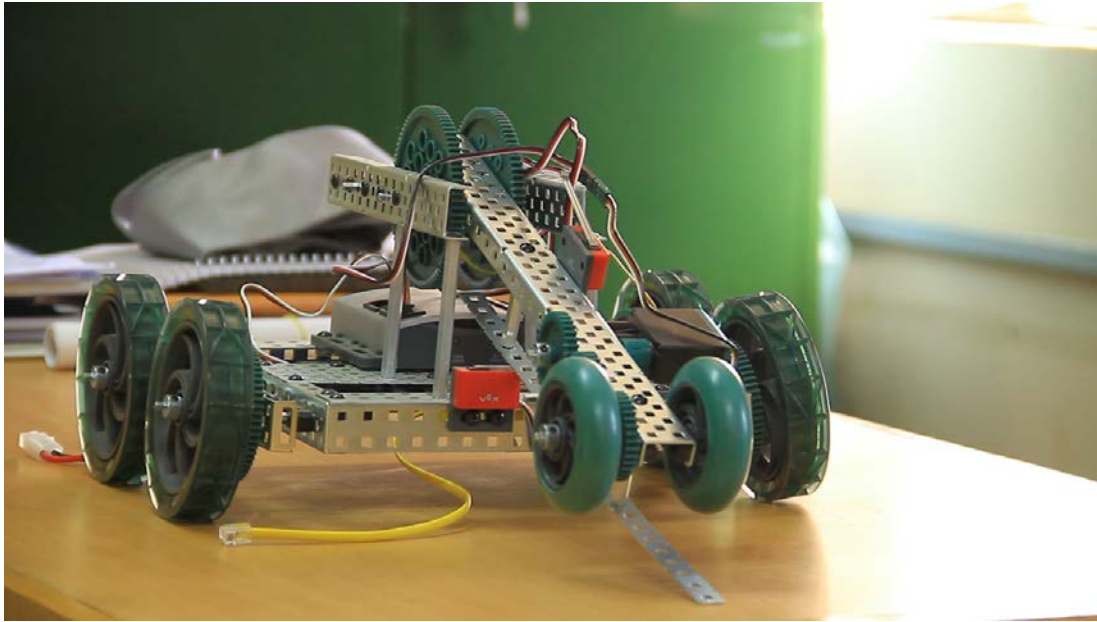
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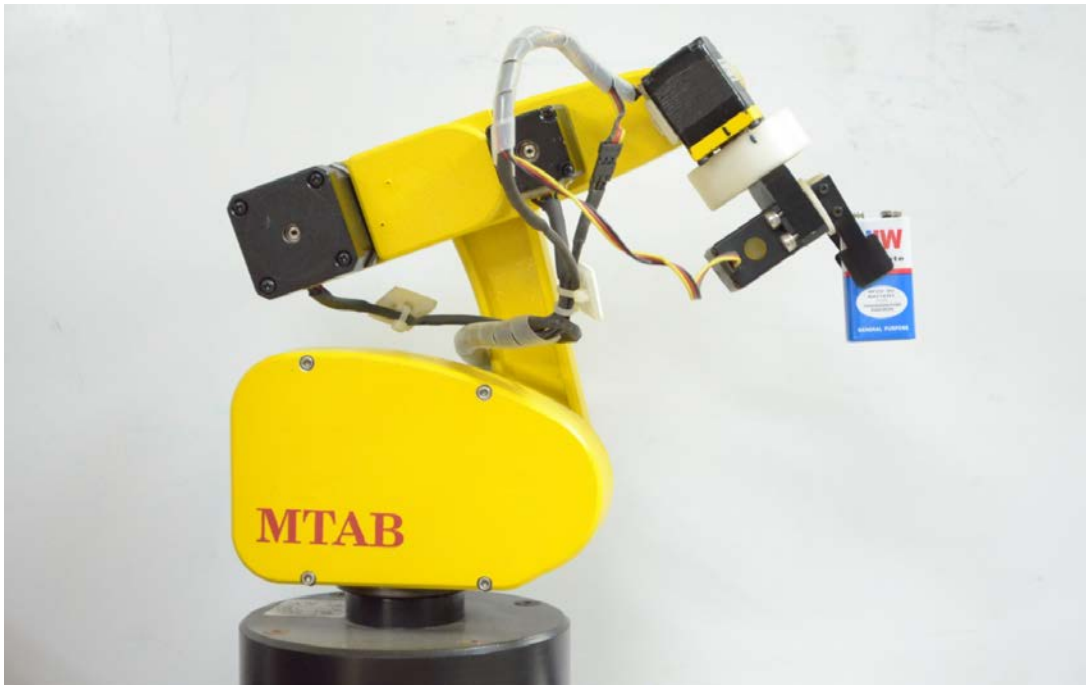
Fanuc robot (Fanuc, Japan)



Scorbot er-4u (Intelitek, Israel)



Class room lab kit (Vex robotics, USA)



Mini robot-5 axis (M-Tab, chennai)

Lab in-charge:

Mr. I. Kantharaj, M.E., (Ph.D)
Assistant Professor