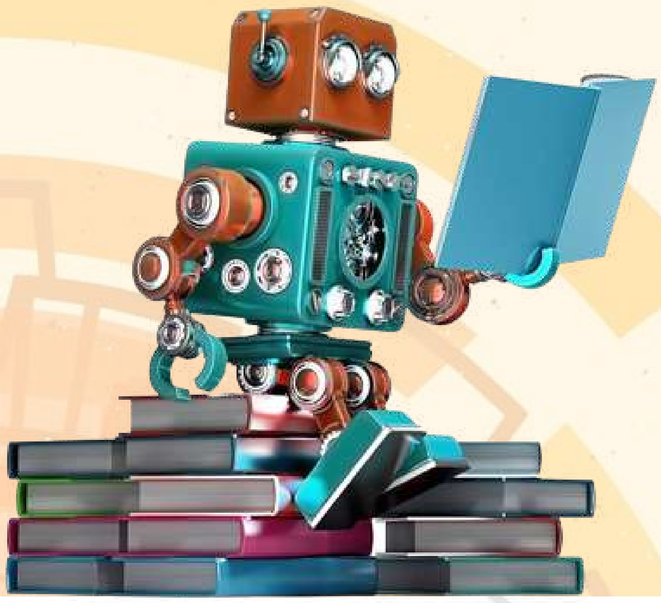

Skillovation

BE SKILLFUL TO INNOVATE

ROBOTICS SYLLABUS

Micro Degree in Robotics

Sessions 1 - 12

1 Robotics Mechanism
- ✓ Electronic
- ✓ Algorithms
- ✓ Mechanism
- ✓ Functioning

2 Robotics Components
- ✓ Robotics Parts
- ✓ Protocols
- ✓ Interfaces
- ✓ Specifications

3 Robotics Programming
- ✓ Programming
- ✓ Logics
- ✓ Algorithm
- ✓ Programming Models

4 Robotics Hardware
- ✓ Mechanism
- ✓ Functioning
- ✓ Interface
- ✓ Logics

5 Robotics Applications
- ✓ Robot Basics
- ✓ Domain Uses
- ✓ Applications
- ✓ Requirement Analysis

6 Robotics Simulation
- ✓ Model Design
- ✓ Error Simulation
- ✓ Testing s/w
- ✓ Virtual Model Designing

7 Robotics Communication
- ✓ Serial Interface
- ✓ Data Exchange
- ✓ Connecting h/w
- ✓ Transrecieve Modelling

8 Student Attendance System
- ✓ Design digital students attendance system to replace manual attendance

9 Traffic Lights Designing
- ✓ Design traffic light and understand its working with logic

10 Electronic Voting Machine
- ✓ Design electronic voting machine andunderstand the voting mechanism

11 Digital Notice Board Design
- ✓ Design a digital notice board and display message remotely

12 Quiz Competition Design
- ✓ Design quiz competition and perform fastest finger first