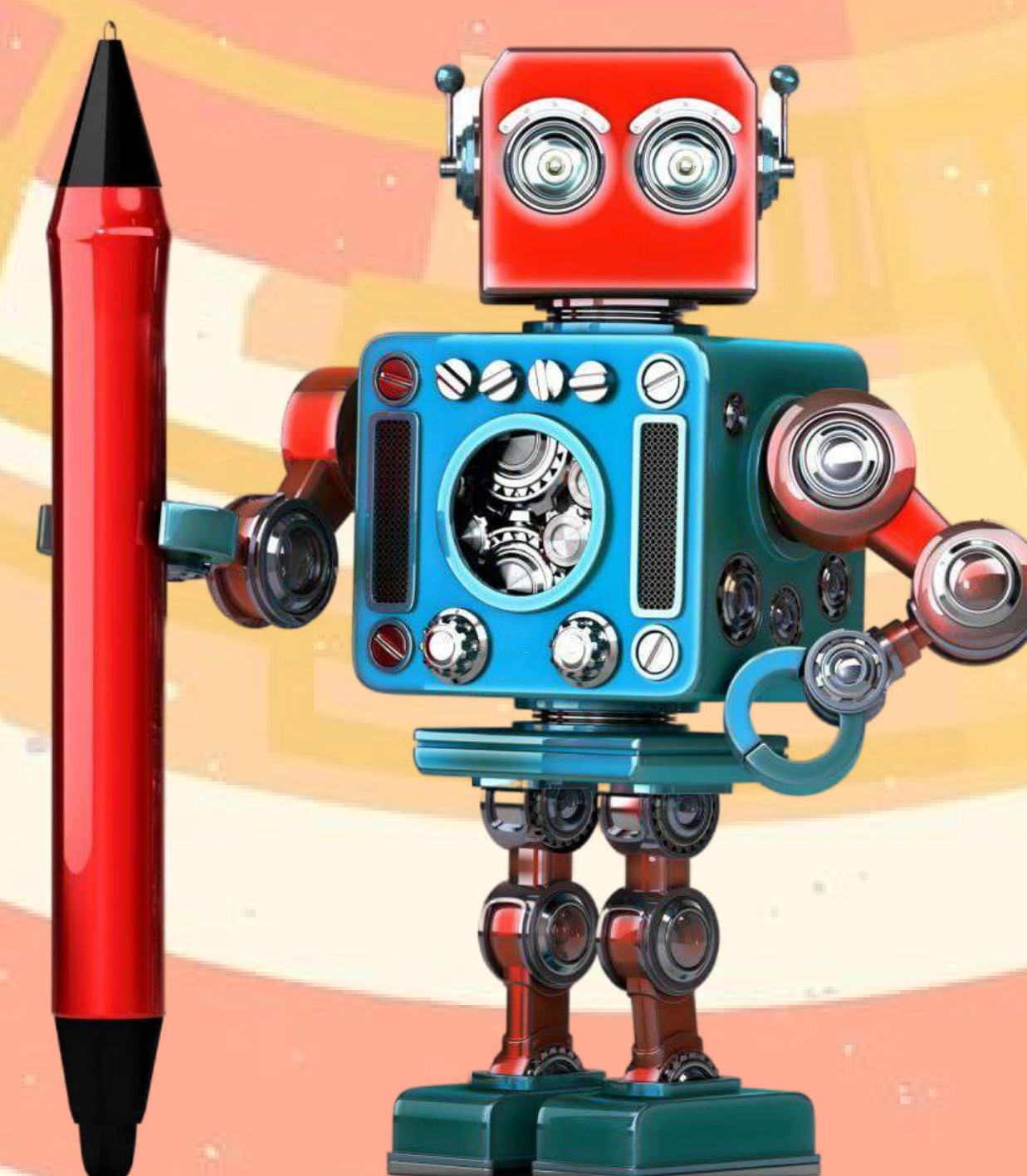


Skillovation

BE SKILLFUL TO INNOVATE



ROBOTICS SYLLABUS

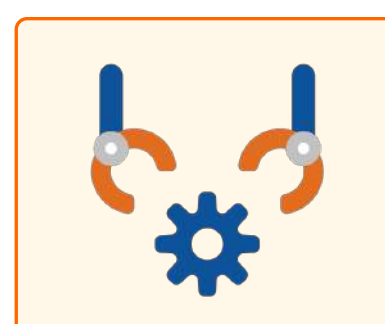
School Robotics & Coding - Basic

Sessions 1 - 12

1

Robotics Mechanism

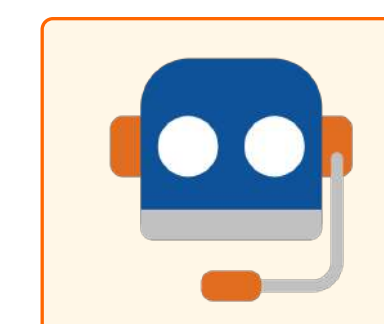
- ✓ Electronic
- ✓ Mechanism
- ✓ Algorithms
- ✓ Functioning



7

Robotics Communication

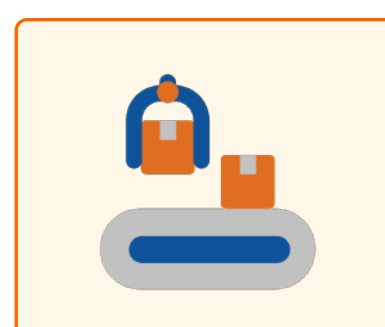
- ✓ Serial Interface
- ✓ Connecting h/w
- ✓ Data Exchange
- ✓ Transceive Modelling



2

Robotics Components

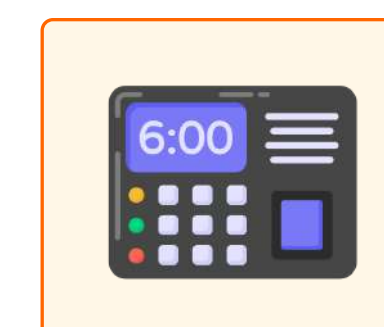
- ✓ Robotics Parts
- ✓ Interfaces
- ✓ Protocols
- ✓ Specifications



8

Student Attendance System

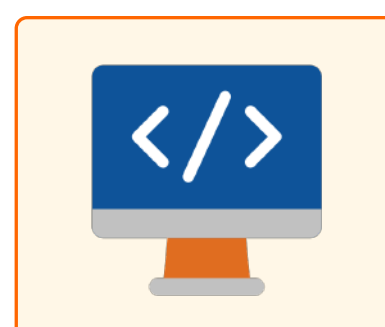
- ✓ Design digital students attendance system to replace manual attendance



3

Robotics Programming

- ✓ Programming
- ✓ Algorithm
- ✓ Logics
- ✓ Programming Models



9

Traffic Lights Designing

- ✓ Design traffic light and understand its working with logic



4

Robotics Hardware

- ✓ Mechanism
- ✓ Interface
- ✓ Functioning
- ✓ Logics



10

Electronic Voting Machine

- ✓ Design electronic voting machine and understand the voting mechanism



5

Robotics Applications

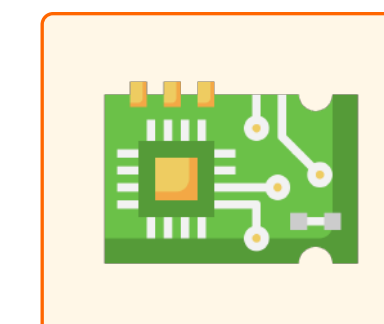
- ✓ Robot Basics
- ✓ Applications
- ✓ Domain Uses
- ✓ Requirement Analysis



11

Digital Notice Board Design

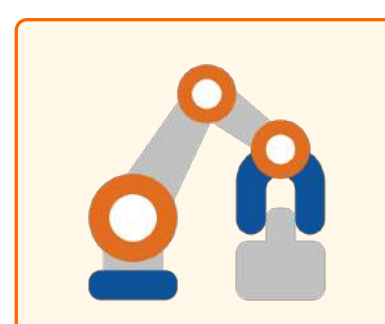
- ✓ Design a digital notice board and display message remotely



6

Robotics Simulation

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



12

Quiz Competition Design

- ✓ Design quiz competition and perform fastest finger first

