



# RoboSmart Labs

REDEFINING ROBOTICS EDUCATION



## 24 Hours Course - Master

(Standard 11 - 12)

Course code: RSLILSDM04





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## REDEFINING ROBOTICS EDUCATION

### INTRODUCTION TO ROBOTICS

#### Learning Outcome & Projects

Revision of Robot Electronics, Mechanics & Coding – Robust level, Revision of Drones , 3D printing & modelling , VR & Humanoid – Robust level, Revision of Computer Science Coding – Robust

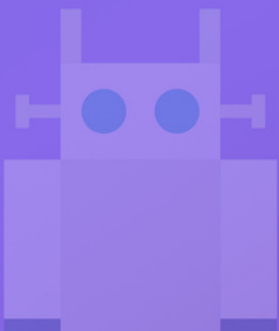
### ROBOT- ELECTRONICS

#### Learning Outcome & Projects

Robot arm connections – Circuitry, Robot arm connections Calibration of servos, Automated Pick and Place Robotic Arm – Connections, Smartphone controlled humanoid bipedal robot, Computer Controlled humanoid bipedal robot

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[www.robosmartlabs.com](http://www.robosmartlabs.com)





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## ROBOT - MECHANICS

### Learning Outcome & Projects

Robotic ARM – Assembly  
Base Assembly  
Gripper Assembly

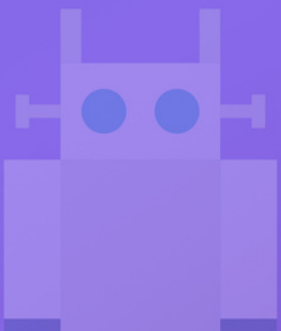
## ROBOT - CODING

### Learning Outcome & Projects

Computer-Controlled Robotic Arm, Smartphone-Controlled Robotic Arm, Automated Pick and Place Robotic Arm – Programming, Smartphone controlled humanoid bipedal robot, Computer Controlled humanoid bipedal robot

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## HUMANOID

### Learning Outcome & Projects

Construction and Assembly of Humanoid, Changing RGB Animator for JD – Ez script, Visual Object Recognition – Ez script, Coding walking Forward, left, right, backward – Ez script, Multiple Actions coding with Humanoid – Ez script, Coding for Robot to Dance – Ez script, Teaching JD Humanoid to Dab! – Ez script

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