

ROBOTICS

COURSE OUTLINE

1. Arduino IDE
2. Digital vs Analog
3. Digital Read vs Analog Read
4. Digital Input vs Analog Input
5. Serial Read vs Serial Begin
6. State
7. Led Blinking project
8. Button control led
9. Rgb Led Project
10. Active and passive buzzer project
11. Servo motor project
12. Mercury tilt switching
13. Touch sensor switching
14. LED matrix Project
15. LCD Output printing project
16. Potentiometer voltage control project
17. Motion detection alarming project
18. Dht 11 temperature alarming system
19. Keypad based alarming robot
20. Ultrasonic distance measuring robot
21. LED automatic garden light control project
22. Sound sensor clapping room light on off project
23. Water sensor sudden raining alarming robot
24. RFID Smart robot
25. Smart Home automation using relay module

Software

The software that will be used throughout the course are:

Arduino IDE

TinkerCad

- ✓ Course Instructors

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