

6 MONTH PREMIUM



About Course:

Here is our 6 month premium robotic course. Students will get hands-on with advance robotic project building and complex App development.

Robotics + App development

Learning outcomes



Programming fundamentals,
Events handling, Button and sound

Text Box and Button
Properties

ARGB LED
Component

if then else
condition

Ultrasonic and
Buzzer components

UI element Label &
Comparison operator

DC motor

Touch down and Touch
up events



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Robotics + App development

Learning outcomes

9	Play music	Player component & its methods
10	My calculator	Math operations
11	Merry Go Round - Design	Dc motor properties & Methods
12	Merry go round-Coding	Dc motor properties & Methods
13	Smart streetlight - Design	APDS Component and its Ambience Methods
14	Smart streetlight - Coding	APDS Component and its Ambience Methods
15	Smart Locker- Design	servo motor Component
16	Smart Locker-Coding	variable and Password Textbox



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Robotics + App development

Learning outcomes



17 | Make a high five

Proximity sensor, Image component

18 | Mole mash

Image Sprite, Timer & Variables

19 | Washing Machine - Design

Button Event handler and concept of speed variance

20 | Washing machine- Coding

Button Event handler and concept of speed variance

21 | Scrubber- Design

APDS (proximity methods) and if then else condition

22 | Scrubber- Coding

APDS (proximity methods) and if then else condition

23 | Obstacle avoider - Design

Ultrasonic sensor on change event and its properties

24 | Obstacle avoider - Coding

Ultrasonic sensor on change event and its properties

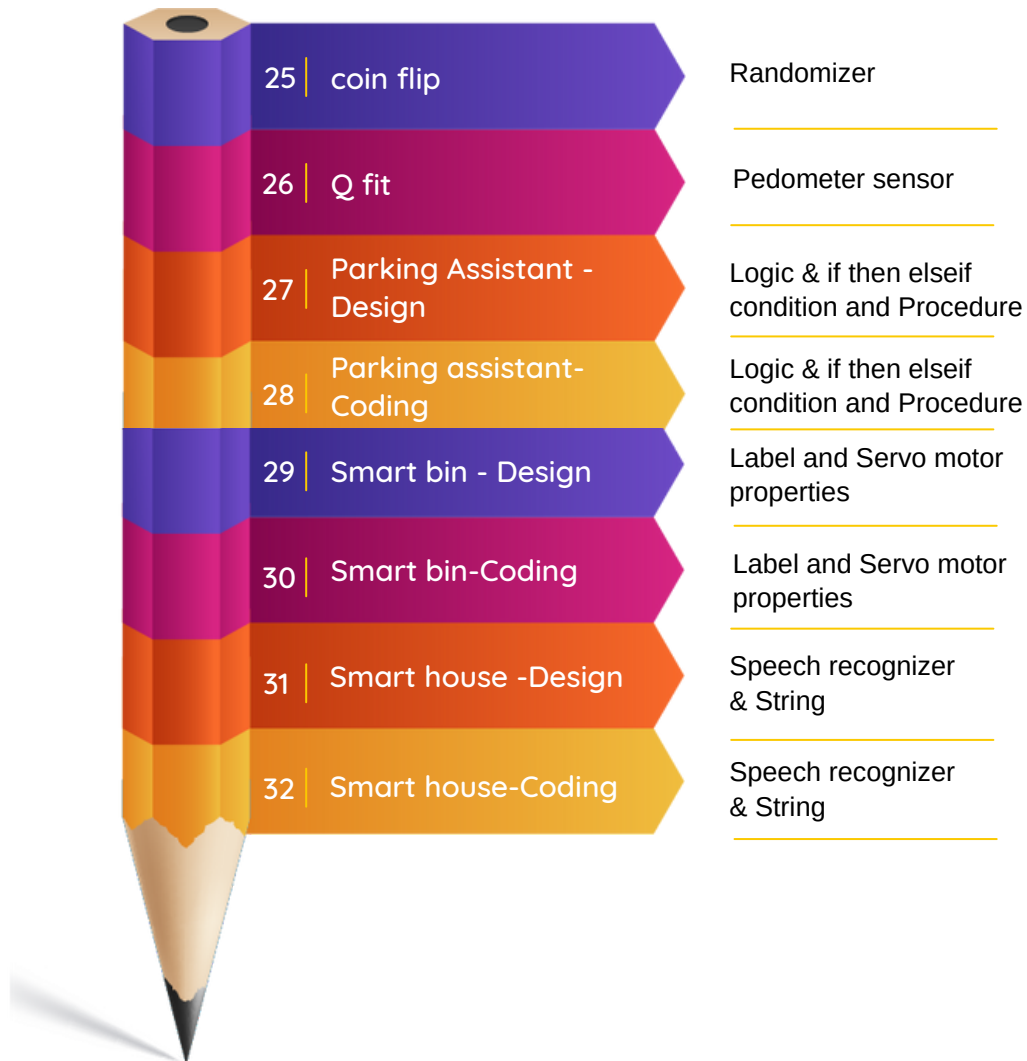


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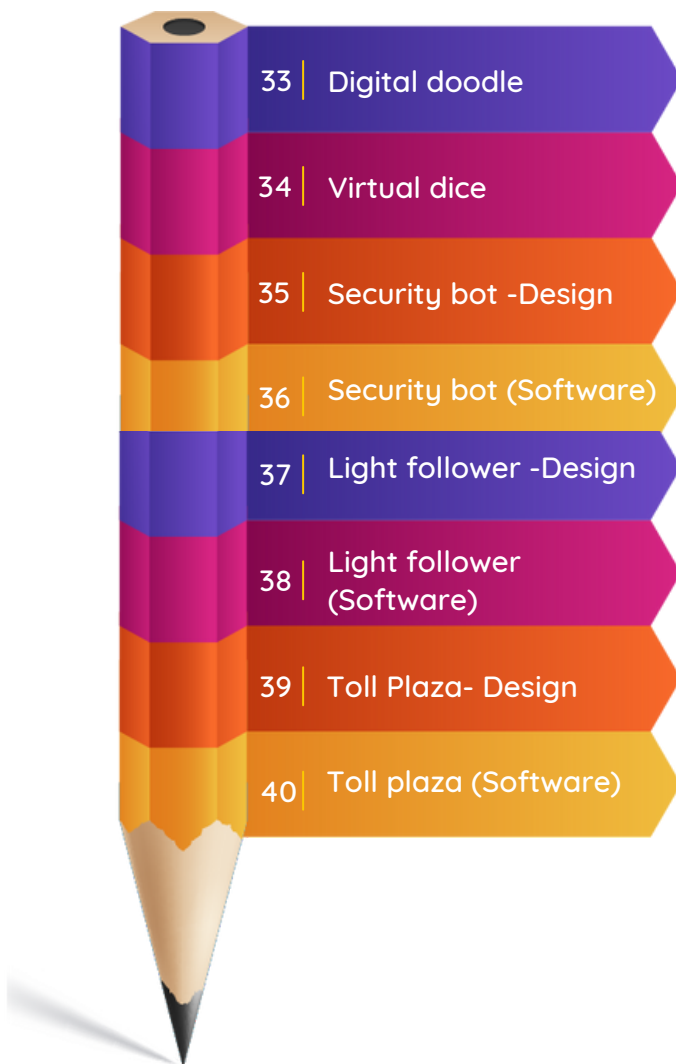


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Learning outcomes



33 | Digital doodle

Learn canvas, analyze and interpret created artwork

34 | Virtual dice

Using accelerometer sensor it helps in calculation skills to use, improve visual perception and manual dexterity

35 | Security bot -Design

Concepts of Ultrasonic and distance measurements through conditional statements

36 | Security bot (Software)

Concepts of Ultrasonic and distance measurements through conditional statements

37 | Light follower -Design

Concept of APDS ambience & On value change Event

38 | Light follower (Software)

Concept of APDS ambience & On value change Event

39 | Toll Plaza- Design

Logic & concept of Automatic toll plaza using APDS proximity and servo mechanism

40 | Toll plaza (Software)

Logic & concept of Automatic toll plaza using APDS proximity and servo mechanism



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Learning outcomes



41 | Talking tom

Extension (SC Speech recognizer)
& Multiple Web Viewer(Blocks)

42 | Ball bounce

Image Sprites, BallImage
Sprite Events

43 | Voice controlled Wheel
chair- Design

Nested If then- else
(Else if ladder)

44 | Voice controlled wheel
chair - coding

Nested If then- else
(Else if ladder)

45 | Ambulance- Design

ARGB Matrix methods &
properties

46 | Ambulance- coding

ARGB Matrix methods &
properties

47 | Smart fan -Design

APDS Temp sensor

48 | Smart fan - coding

APDS Temperature sensor
events & its properties

