GEMICATES LABS
PROGRESS THROUGH INNOVATION

Build your first Arduino Robot with GEMLABs

Gemicates Labs teaches student how to program real robots using the powerful Arduino programming language. We offer students to learn the program controls, sensors, movement, and behavior, and set out on fun and exciting missions including sumo fights, soccer, obstacle course missions, and more.

Technology and robotics are becoming more and more pervasive in our society, and GEMLABs programs have been designed to teach students real century skills. No prior experience necessary and all skill levels are *welcome*.

Online Workshop Arduino Robotics

➤ *Crash Course for School Students* (Class 7-12)

Gemicates Labs Program is a certificate training program designed exclusively for school students from Class 7 to 12 which aims at teaching from basics of Electronics & Arduino Programming to latest emerging technologies with a very strong and fun hands-on experience by building Robots.

Fees: Rs.650

5 Days Duration

From 11th May 2020

10 AM – 12 PM

Payment Method:

Google Pay

Gemicates ServiceMart
UPI ID: gservicemart@oksbi

Raghul G, IOT Designer/ Monisha G, Trainee
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Gemicates Labs Pvt Ltd,
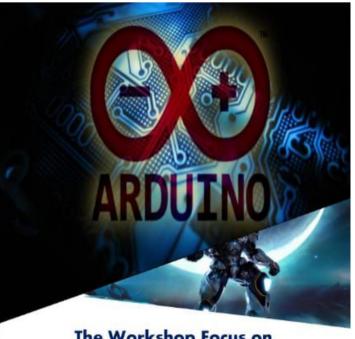New No. 19/4, Old No. 84/4, First Street, Indira Colony, Ashok Nagar, Chennai-83.
Website: www.gemicates.org
info@gemicates.org/training@gemicates.org

QR Code

Registration Link

https://forms.gle/qJgnrFVhmCm8rZQB8

ARDUINO

The Workshop Focus on

Want to build a robot? Learn everything about robotics from scratch and start making your own!

Arduino Coding

>> **Basics of Electronics**

>> **Light Sensitive Sensor**

>> **Breadboard wiring**

>> **Motor Drivers**

>>**Voltage Regulator & IR Sensor interfacing**

Proteus Simulation

- Interfacing Motors & Sensors with Arduino
- IR Sensor interfacing
- Motor & Sensor simulation with UNO
- Gesture Controlled Robot
- Sensors placement & Logic Table