



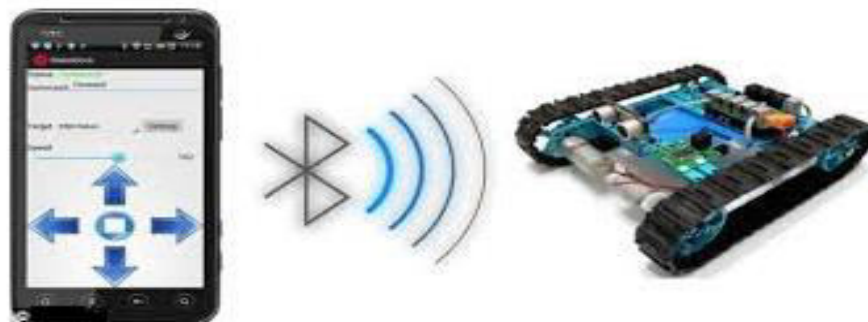
# Embedded Technosolutions

Venture of IIT Bombay & VJTI Alumni

**3** Times IIT Bombay Robo Competition Winner

## BLUETOOTH & ANDROID BASED WIRELESS ROBOTICS

Government of India (MSME) & IIT Bombay Alumni Recognized



**B R A N D**

**PROMISE**

**We Guarantee You that, You Can Develop Your Projects by  
Your Own After This Training Program**



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## **Module 1**

- Introduction to Robotics
- Introduction to wireless communication modules like Zigbee, RFID, DTMF, GSM etc and their application in Robotics

## **Module 2**

- Description of working of Bluetooth Module
- Practical demonstration and application of Bluetooth technology

## **Module 3**

- Configuration of Bluetooth module
- Concept of interfacing Bluetooth module with microcontrollers

## **Module 4**

- Introduction to structure and programming of Microcontrollers
- Interfacing of Bluetooth module with Microcontroller and Android App



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## **Module 5**

- Practical concept of microcontroller and their programming
- Concept of embedded C programming and various software functions
- Concept of Motor driver mechanism and their working

## **Module 6**

- Serial communication related concept
- Android App and their use in interfacing with wireless module
- Interconnection of various components to design basic robot body

### **Projects :**

### **Bluetooth & Android Based Wireless Robotics**

- |          |                                                       |
|----------|-------------------------------------------------------|
| <b>1</b> | Robotics Mechanism Designing                          |
| <b>2</b> | Bluetooth & Android Based Wireless Robotics Designing |