DTMF CONTROLLED ROBOT

About Project:

The DTMF robot machine is controlled by the mobile signals, in which we make a call to the mobile phone which is inter connected to the DTMF robot operated at auto answer mode, based up on the instructions given by our cell phone the robot operation depends our mobile acts as an remote control for the robot.

DTMF stands for dual tone multiple frequency based on this the robot movements are controlled.

These DTMF mechanical systems find applications in military security actions like spy robot for bomb detection, in industrial security, controlling house hold appliances, for long distance remote sensing systems. If we implement a Wireless CMOS Camera interface with the robot we can obtain the pictorial information also.

Training Kit Contains:

- Novaboard
- DC Motor
- Mobile Phone
- DTMF decoder Module
- 9 Volt Battery
- Battery Connector
- Aux wire
- Robot Chassis with wheel

About Course:

Module 1	**DTMF Control Robot** ➤ Introduction of the project ➤ Application
Module 2	**Introduction of Novaboard** ➤ Description of Microcontroller ➤ Basic programming In Novaboard
Module 3	**Robot Design** ➤ Building Chassis ➤ Attaching Motors and wheels
Module 5	**How does Robot Move** ➤ Interfacing of motor into Novaboard ➤ Motor Programming in Novaboard
Module 6	**DTMF technology** ➤ What is DTMF? ➤ DTMF Decoder
Module 7	**Circuit Designing with Novaboard and Decoder (MT 8870)** ➤ Brief about Decoder IC ➤ Working Concept

Module 8	**Programming In Novaboard** ➢ Programming logic ➢ Arduino C Coding
Module 9	**Testing of Robot** ➢ Upload project video ➢ Download certificate