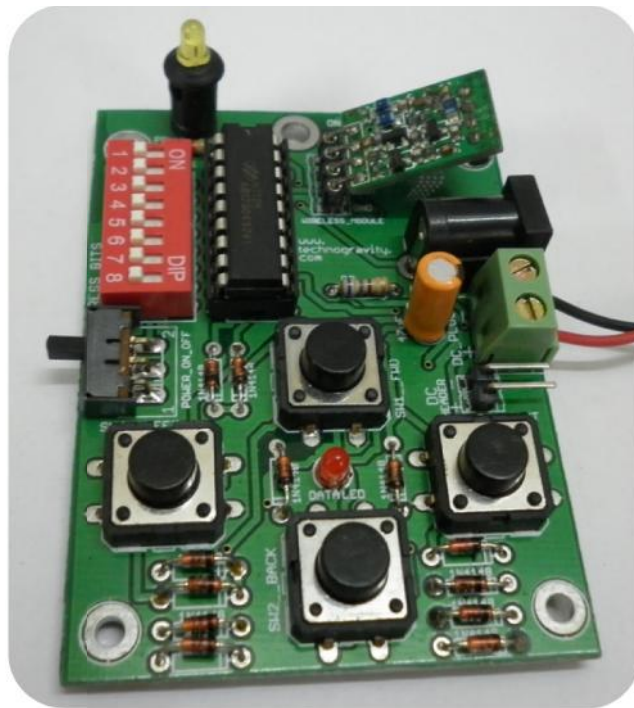


TECHNO  
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# WI-BOT



## Wi-Bot

### Description



Wi-Bot = Wireless Robotics

Wireless is the next step after wired Robotics. In this Workshop one learns to design & develop a wireless Robot & also learn how to modify the wired Robots using various methods.

Everything that is wired can be modified to wireless but under certain conditions. The basic robots also have some limitations in terms of their applications & wireless modifications that are required are designed to overcome them.

We learn about the concept of wireless communication and different kinds of wireless devices. We then interface the TGS wireless circuit, Data & PS2, to a wired robot, thereby understanding their inter-relation.

Wireless has a wide spectrum of learning, but we need to start somewhere. This course has been designed to suit the understanding of even a school going student.

There are higher courses too once you complete this... so be quick 😊

### Course contents



1. World of wireless communication
2. Wireless devices & protocols
3. Wireless terminologies
4. ICs & Components for wireless
5. Transmitter analysis
6. Receiver Analysis
7. Motor Drivers
8. Wireless Designing
9. Wireless Interfacing
10. Hacking a circuit

### Duration



18 hours in total for learning and assembling.

Theory : Practical = 30 : 70

6 days X 3 hrs. per day i.e. 6 sessions in all

## Kit contents



1. Transmitter Circuit	1x
2. Receiver Circuit	1x
3. Transmitter Module	1x
4. Receiver Module	1x
5. Battery	2x
6. Wired Robot kit	1x
7. PS2 Wireless Kit	1x
8. RC Car	1x
9. Accessories	1x
10. Reference Manual & CD	1x