



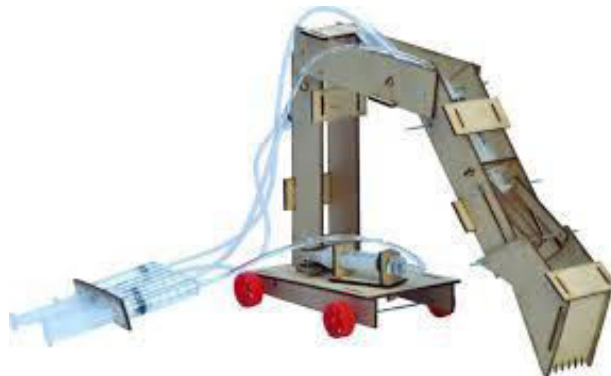
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Venture of IIT Bombay & VJTI Alumni

3 Times IIT Bombay Robo Competition Winner

**Industrial Certified
School Robotics Developer**

**All India Council For Technical Skill
Development (AICTSD)
In Association with
IITians Embedded Technosolution**

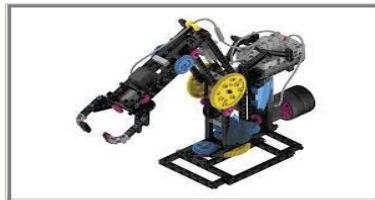
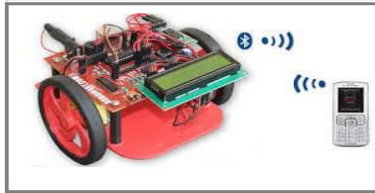




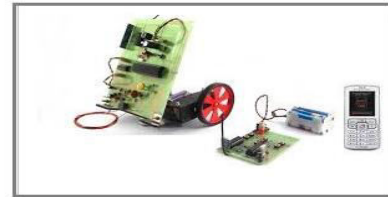
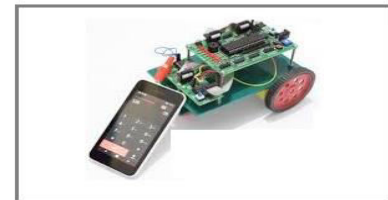
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SCHOOL
Junior
Scientists





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B R A N D

PROMISE

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



1. Introduction of Automation & Technology
2. Introduction of Artificial Intelligence(AI) & Its Use in Technology
3. Artificial Intelligence Mechanism & Computations
4. Science & Mathematical Principles used in Automation & Artificial Block Building
5. Electrical & Mechanical Concepts Involved in Robot Building Concepts
6. Introduction to Various Major Components used in Robot Building
7. Schematic & Interconnections of Various Modules
8. Introduction to Power Supply Unit Used in Automation



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9. Physics Concepts of Power Supply
10. Power Supply Designing Concepts
11. Integration of Various Mechanical & Electrical Components to form Basic Robot Unit
12. Introduction to Electronics Passive & Active Components
13. Use of Electronic Meters (Multimeter) to Test Various Active & Passive Electronics Components
14. Understanding of Printed Circuit Board(PCB)
15. PCB Unit Testing
16. Soldering & Component Assembling on PCB
17. Electronic Circuit Testing & Fault Finding
18. LED Blinking Concepts

Arduino Platform

19. Introduction to Open Source Platform Arduino
20. Introduction to Arduino IDE

Arduino C Programming

21. Embedded C Programming for Arduino
22. Arduino Libraries & Basic Module Interfacing
23. Logic Families



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Wireless Communication Technology

- 24. Introduction to Wireless Technology
- 25. Introduction to Wireless domain Advantages & Applications

Bluetooth Technology

- 26. Introduction to Bluetooth Communication
- 27. Bluetooth technology interfacing in real application
- 28. Bluetooth module programming

Radio Frequency Mobile Technology (DTMF)

- 29. Introduction of RF Communication
- 30. RF technology interfacing in real application
- 31. RF module programming



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	<u>Live Projects</u> :
	School Robotics Developer
1	Basic Artificial & Automation Mechanism Module Designing
2	Mobile Controlled Based Remote Car
3	Bluetooth & Android Based Robot Designing
4	Wireless Home Automation
5	Traffic Light Designing
6	Electronics Rain Alarm
7	Smoke Detector Designing