

BUILD MY PROJECT



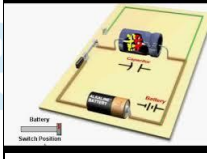


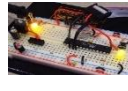
CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

RAINBOWROBO:



Hours	TOPIC	END PRODUCT OF THE DAY
	1st level Violet	
4hrs	<ol style="list-style-type: none"> 1. Introduction to Electronics components 2. Introduction to how an electrical circuit works. 3. Concept of electricity, voltage, current, resistor, capacitor, Inductor, LDR, Conductors, Insulators 4. Concept of breadboard 	Students will be able to identify basic components and will make such attractive projects using them
4hrs	<ol style="list-style-type: none"> 1. Passive and Active Components 2. LED projects 3. Buzzer project 4. Basic circuits 	 
4hrs	<ol style="list-style-type: none"> 1. Capacitor charging discharging 2. Series circuit 3. Parallel circuit 	 
3hrs	<ol style="list-style-type: none"> 1. Automatic LED lighting 2. LDR based night sensor 3. Street lighting system 	 
1hr	Revision & Mini competition will be held	

Workshops| Seminars| Internships| Project Development & Guidance


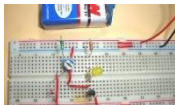
www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

2nd level INDIGO		
4hrs	<ul style="list-style-type: none">• Introduction to different types of ICs such as 555Timer, BC547,• Introduction to transistors, different types of transistors• Touch plate sensor• Automatic Switch• Water level indicator	Concept of transistors and projects using transistors
4hrs	<ul style="list-style-type: none">• Tech Diya• Traffic lighting system• Security system	Real time Application
4hrs	<ul style="list-style-type: none">• Police siren• Fire alarm system• Touch point based calling bell	Real time Application
3hrs	<ul style="list-style-type: none">• Smart fan• Home automation	Real Time Application
1hr	Revision & Mini competition will be held	Students will be given with some tasks
3rd level Blue		
4hrs	Introduction to Robotic Motors and applications Introduction to programming Robotics with some videos Basic constituents of robots Introduction to Microprocessors and microcontrollers Introduction to Actuators	
4hrs	Introduction to sensors Introduction to Power supply systems	

Workshops| Seminars| Internships| Project Development & Guidance

www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

	<p>Introduction to H-Bridge concept</p> <p>Types of motors (stepper motors, servo motors) Motor driver and batteries</p>	
4hrs	<p>Introduction to basic coding led dimming, buzzer beeping programs</p> <p>Hand on session on motors and their practical's</p>	
3hrs	<p>Automation using programming</p> <p>Fan on off using programming</p>	
1 hr	Revision & Mini competition will be held	Students will be given with some tasks
4th level GREEN		
4hrs	<p>Construction of robot using chasis, Microcontroller, Motor driver, Arduino</p> <p>Motor testing</p> <p>Forward & Reverse Robot</p>	
4hrs	<p>Black line Follower</p> <p>White line follower</p>	
4hrs	<p>Obstacle avoider</p> <p>Obstacle detector</p>	
3hrs	<p>Photophobic Robot</p> <p>Phototropic Robot</p>	
1hrs	Revision & Mini competition will be held	Students will be given with some tasks

Workshops| Seminars| Internships| Project Development & Guidance



www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

5 th level YELLOW		
2 hrs	<ul style="list-style-type: none"> • Applications of Robotics Technology • Introduction to Internet of Things • Applications of Internet of Things 	IoT (Internet Of Things)
4 hrs	<ul style="list-style-type: none"> • Robot Assembly • Installation of Arduino IDE and Driver software • Interfacing of Microcontroller with Computer • Basic Programming of Arduino • Interfacing of Motor Driver Board • Working of Motor driver with Microcontroller • Motor Control Programming • Timer Controlled Robot • PC Controlled Robot Interfacing of WiFi Module with Arduino • AT Commands and Serial Programming • Controlling LED, Buzzer and Motor using Webpage • Controlling of LED using Html webpage 	Robot assembly and Program controlled robots
4 hrs	<p>Interfacing of Robot System with Webpage</p> <ul style="list-style-type: none"> • Arduino coding for Web page Controlled Robot • Code uploading for Robot control • Robot controlling using Web page/Web page on smartphone. • Relay based Real life Home Automation Demo • Server controlled Home Automation 	 <p style="text-align: center;">WiFi Robot</p>
2 hrs	<ul style="list-style-type: none"> • Introduction to Android app designing • Android app design on MIT app Inventor ✓ MIT app Inventor Structure ✓ Basic app design ✓ Robot controlling app design 	Application on software
4 hrs	<p>Session 4:</p> <ul style="list-style-type: none"> • Introduction to Bluetooth Module • Interfacing of Bluetooth module with microcontroller • Robot controlling using Smartphone app Revision and Mini competition 	

Workshops | Seminars | Internships | Project Development & Guidance

www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

6th level ORANGE		
2 hrs	Introduction to Sixth Sense 1.What is aSixths Sense? 2.History 3.Need of Sixths Sense 4.Arduino Theory	Sixth sense (Gesture controlled robot)
4 hrs	Different Components C.Sixth SenseTechnology D.Matlab Installation	MATLAB (programming language)
3 hrs	SoftwareIntroduction 1.Arduino 2.Matlab B.Bot Assembly C.Basic Code Testing D.Serial Call Response Day 1(1stsession) A.Introduction to Sixth Sense 1.What is aSixths Sense? 2.History 3.Need of Sixths Sense 4.Arduino Theory B.Different Components C.Sixth SenseTechnology D.Matlab Installation	Arduino and MATLAB installation
4 hrs	Introduction to Matlab tools and Image Processing. B.Image Acquisitions C.Robot Movement	Robot Movement
3 hrs	Robot Controlling From Image B.Music Player Controller C.Competition	Gesture controlled robot

Workshops | Seminars | Internships | Project Development & Guidance

www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

7th level RED MINI HUMANOID ROBOT(Mini Version)		
4hrs	Arduino Board Layout &Architecture Arduino Programming & Interface of sensors	BASICS
4hrs	Assembly of Robots. Integrating Arduino with Robot. programming of robot for different applications	APPLICATIONS
4hrs	ROBOTICS TECHNICAL EDUCATION AUTOMATION SERVICES AND SOLUTIONS	APPLICATIONS
4hrs	DC Motor Directions Control Servo Motor Interfacing. 90 degree lock programming.	Students will get knowledge of actual programming of mini humanoid robot
3hrs	Walking Robot Dancing Robot	Creation of Mini Humanoid Robot
1hr	Revision & Mini competition will be held	Students will be given with some tasks At the end of the day we will distribute some gifts to the winners

BUILDMYPROJECT

Way To Automation

Workshops| Seminars| Internships| Project Development & Guidance

www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

CHARGES ACCORDING TO LEVELS:

LEVEL	Rainbow level	CHARGES
1	VIOLET	1500/-
2	INDIGO	1500/-
3	BLUE	1500/-
4	GREEN	2000/-
5	YELLOW	2000/-
6	ORANGE	2500/-
7	RED	3500/-

Combined packages:

Level 1 +Level 2+Level 3+Level 4= 6500/- Discounted price =6000/-

Level 5 +Level 6=4500/-Discounted price= 4000/-

All Levels : 14,500/-Discounted price =13,500/-

BUILD MY PROJECT

Way To Automation

Workshops| Seminars| Internships| Project Development & Guidance

www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

What would you learn?

Please See FAQ's and course content

Apart from this student will also learn the following skill sets:

- The students will learn basics concepts and will gain the practical experience while working on a robotics kit.
- What we promise the students is not just building robots, but something greater - a passion for robotics coupled with the knowledge and confidence to take on the world with their self-made machines.

Q: Why is robotics important for my child?

A: Robotics is a truly multi-disciplinary field which combines mechanical, electrical, electronics and programming domains of science. It is ideal for young students because it exposes them to hands-on applications of math, science, and engineering concepts. In addition, robotics motivates children understand how things work and encourages them to use their creativity and imagination skills during designing robots. India is still to go a long way as far as introduction of practical element in the education system is concerned, which robotics does the fun way.

Q: What will my child gain from your course?

A: we aim at “experiencing science and technology through fun way of robotics”. Working towards this aim, the participants will be taught to design, build and program autonomous robots. In the process of learning about robotics, a student will experience the practical aspects of science and technology and develop numerous skills including problem solving, logical reasoning, creativity, communication and self-confidence to know about the camp content and details of the kit, kindly get in touch with us.

Q: Can my child build and program robots?

A: Off course. Use of robotics in education i.e. educational robotics is quite a common concept in US, UK and Japan. In these countries' young students (8-20 yrs.) have taken to robotics at a very nascent stage of the education. This can be done only through good training and awareness. We will graduate a student from scratch to a complete knowledge of autonomous robotics. After this program each child will be in a position to build and program a robot.

Q. Why should we pay such an amount for this camp?

A: Some highlights of this course which would give you an insight into the unique advantages of this course are:

- Monthly program designed by professionals.
- Building and programming a robot

Workshops | Seminars | Internships | Project Development & Guidance

www.bmpcourses.in

BUILD MY PROJECT

CONTACT:7977543839

Gmail:buildmyprojects@gmail.com

Web:www.bmpcourses.in

- Apart from robotics students will be aware of real time applications,3D gaming
- Student can build their projects on their own using concepts taught in this course
- Nearby your area (no need to travel along with child)
- Starter guide with activity book
- Mini competitions + Revision lectures
- Certification



BUILDMYPROJECT

Way To Automation

Workshops| Seminars| Internships| Project Development & Guidance

www.bmpcourses.in