XROBOTICS

TRAIN THE TRAINER PROGRAM
ROBOTICS & AI CLASSES

ARTIFICIAL INTELLIGENCE

Learning Artificial intelligence is vital for the students to have clarity on algorithm to develop problem solving techniques.

MACHINE LEARNING

By the support of Human Programming, we can build sophisticated systems to let our Robotics brain learn our ways.

ROBOTICS & STEM

STEM strengthens the Learning process of basic subject in classes through Hands-on Approach and practical based Learning.

DRONE DEVELOPMENT

As the new technology is on rise, We are providing the best support to our students to learn the Drone development from basics to Wing foil design and deployment.

3D PRINTING TECHNOLOGIES

Rapid prototyping is nowadays need for every single person as it helps us to visualize the outcome of our project in real time.

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TIMELINE

LEARNING PROCESS

1 3D PRINTING

1. Introduction to Basic Electronics
2. Basic orientation on 3D Printing Tech.
3. Mathematical aspects of 3D printers
4. Introduction to parts and Assembly
5. Calibration and Testing the sample print
6. Design Process through open source platform (Tinker CAD or other's as per availability)
7. Tips & Tricks on Do and Don't for safety assurance.

2 DRONE DEVELOPMENT

1. Introduction to Drone systems
2. Flight controller and parts details
3. Method of communication using simple Rx & Tx protocol as well as Channel based Remote Control
4. Drone building session with terminologies
5. Testing the first flight and tweaking the stability.

3 ARTIFICIAL INTELLIGENCE

1. Introduction to Artificial Intelligence for the students.
2. Understanding how AI system works
3. Ethical consideration of AI System
4. Learning the python programming to Implement network based AI system and execution.
5. Understanding various platform for Ai Implementation and Teaching
6. Programming for Auto Face and state recognition system.
7. AI concepts and AI Project Framework

4 ROBOTICS & STEM

1. Basic of Robotics and Automation
2. History of Robotics and evolution since beginning
3. LAW of Robotics
4. Mechanics of Robotics and Force distribution
5. Robot as system
6. Data and Information: Evolution of computing
7. Ethical consideration of AI
8. Complete Syllabus of ICSE & CBSE Board will be covered.

5 MACHINE LEARNING

1. Introduction to Data type and Variables
2. Control statements and Variable
3. Evolution of Pre AI/ML binary logic system, conditional gates
4. Application and benefits of AI & ML
5. Image recognition system and machine learning algorithm development in recent AI & ML part.

TRAIN THE TRAINER PROGRAM

ROBOTICS & AI CLASSES

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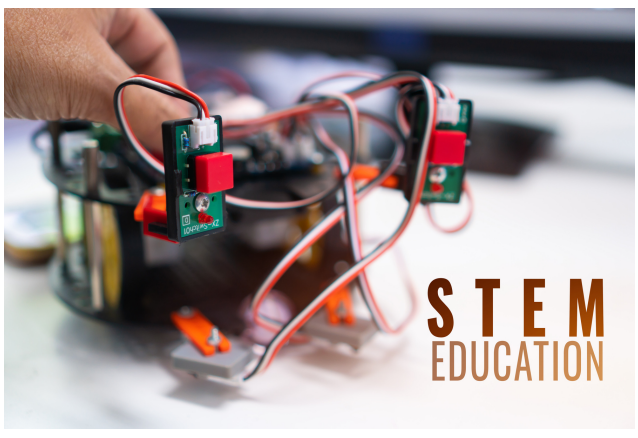
RESOURCES FOR
STEM & ROBOTICS

Find out what's needed to become a Professional STEM Educator

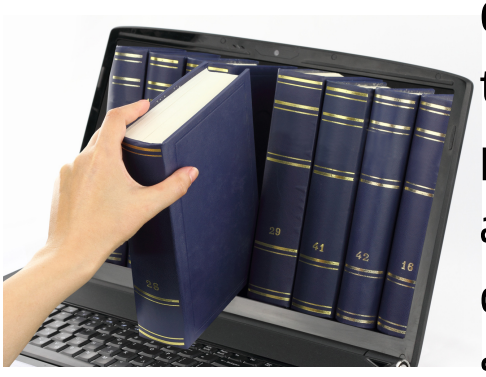
KIT'S PACKAGE



We are providing the vast range of KIT along with the Training program in STEM, Robotics & AI – ML.

Components like Arduino, ESP Module, Sensors, Electronic components and accessories.

RESOURCIFY



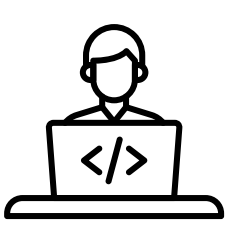
Our Digital content will be accessible to you through our STEM & Robotics empowering platform "RESOURCIFY" throughout the classes and also we will help you with series of notes and documentation on projects to carry out Hands on sessions with students.

SUPPORT

Our Wide range of STEM Educator support Team and group of STEM professionals from IIT, NIT & reputed institutions are always there to help you in every steps. You will added in community to ask plenty of questions and get your problem resolved in meantime.

In this digital era, learning to Teach STEM, Robotics & AI is Integral to our Education system.

Book your seats today! Only at 19,999 ₹ + GST



Get more Information on:

www.xroboticsworks.com