



Embedded Technosolutions

Venture of IIT Bombay & VJTI Alumni

Embedded Systems | Software | Mechanical | Automation

Trainings & Jobs

100% Placement Assistance

Contact : 8828222688 / 9224301650

www.embeddedtechnosolutions.com



Quadcopter Design

We Are India's one of the Leading Trainings & Jobs Providing Organization



Skill India Mission

कौशल भारत - कुशल भारत

Government of India Registered & ISO

Certified Organization



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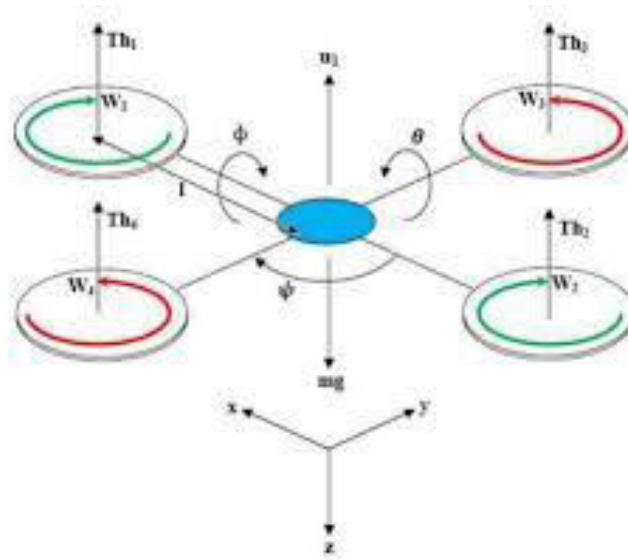
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Embedded Technosolutions is a Professional Training Institute & a Company which Working for Indian MNCs & Medium/Small Scale Industries in Product R&D, Development, Manufacturing & Customization.

Our training sessions are purely practical, based on industrial standard.

Course Objectives

1. To provide professional and industrial standard training which will help the students to get job in the core industries
2. To learn practical orientation of actual industrial product design
3. To learn the designing of Real World Projects



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Course Syllabus

Module 1 : Introduction to Quad Copter

- History
- Present Scenario
- Applications
- Quad copter control flow chart
- Components used in Quad copter

Module 2 : Flying Dynamics

- Thrust produced
- Direction of thrust
- Dependency on axis



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Module 3 : Frames

- Type of Structure
- Frame material

Module 4 : Stabilization Control Board

- Information about microcontroller and microprocessor
- Gyroscope Sensor
- Accelerometer Sensor
- Gain Adjustment
- Layout of Board

Module 5 : Electronic Speed Control (ESCs)

- Circuit Connection
- Internal Architecture
- Working PWM



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Module 6 : BLDC Motors

- About motors
- Working Principle
- Applications

Module 7 : Propellers

- Design Mechanism
- Forces acting/generating
- Dimension
- Applications

Module 8 : FMS (Software)

- Introduction
- Installation
- Working on Software



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Contact Us

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