MDB Electrosoft Pvt. Ltd.

ISO 9001 : 2015 CERTIFIED
MDB
ELECTROSOFT
Pvt. Ltd.
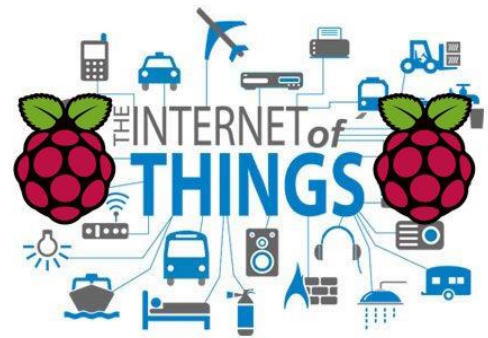We Make You Confident Technically...

Industrial Internship Syllabus (Mech. Engg)
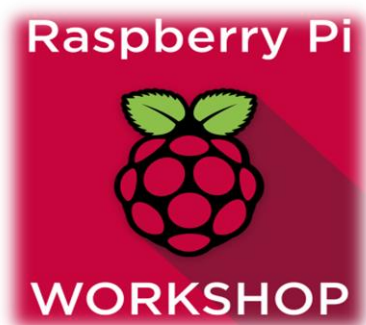
UAV Drone (Quadcopter)

IOT

About the Team

MDB Electrosoft is conducting training program from last four years we provide industry oriented training which helps to integrate academics with real time corporate world.

Our Mission is to develop the technically sound, well skill students for industries and create maximum employment.

MDB Electrosoft is grooming electronics and software product Development Company. We develop electronics and software products which help society to make life easy and interesting. Our team is always dedicated for the Development and Innovations. Our research in a product development makes the product outlined as per client requirement. Our development strategy gives throughput which inclined with the user requirements. Our vision is to develop society oriented products which always dole out better life. Our economic policies give lot in less. Our product development starts from user's requirement and ends on efficient and well   develop product. Our team has well experience and skilled experts who are able to give efficient and in time solution. Every solution provided by us is unique and innovative. Our approach has been always customer and market communication centric. We create products keeping our target consumer and audience in mind. Our expertise always focuses on market requirement and development.
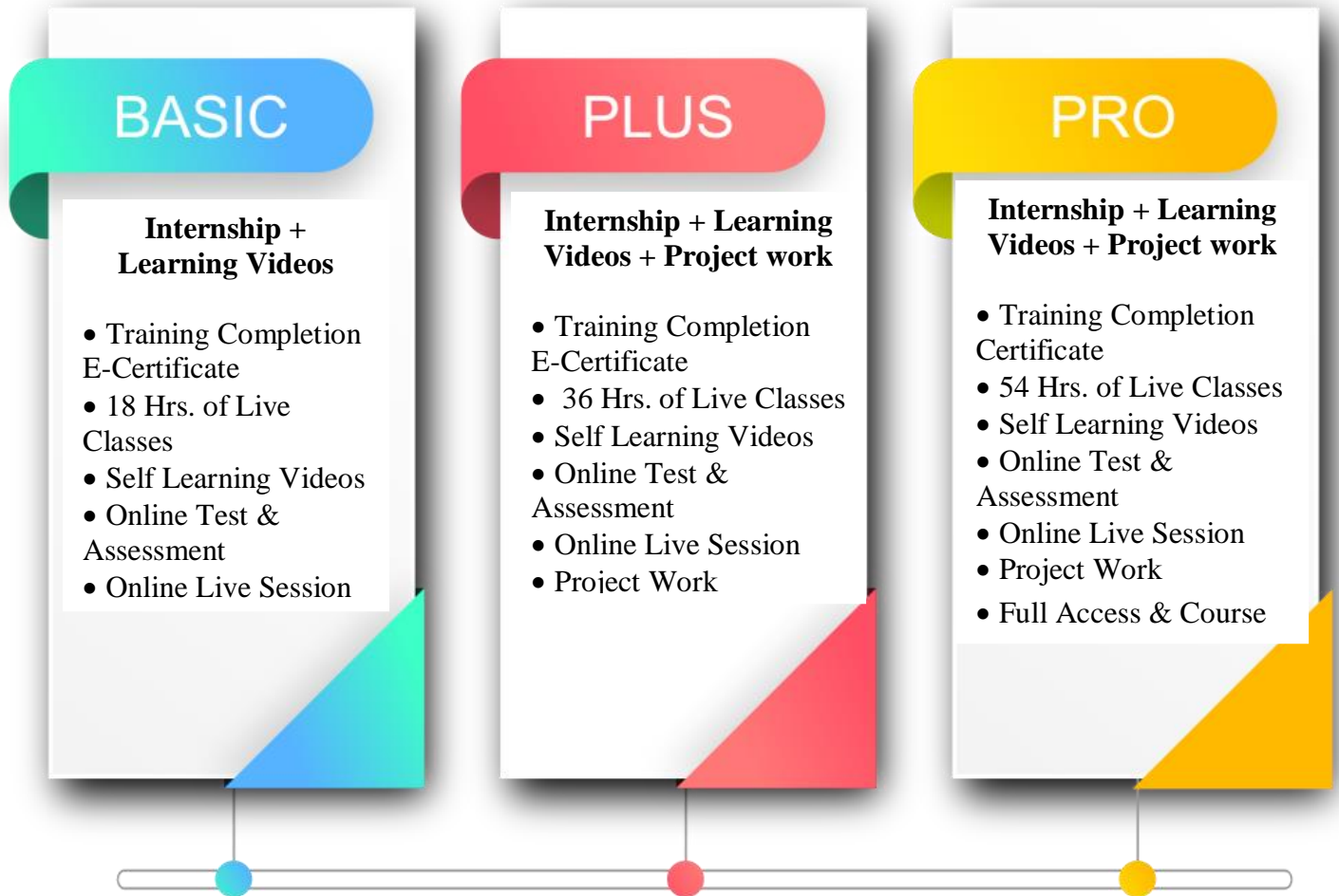
Sr. No.	Content
1.	Introduction to UAV & Quadcopter • Introduction to UAV: Unmanned Autonomous Vehicles • Different Types of Quadcopters • Application of UAV & Quadcopter • Basics of hardware and software • New and Upcoming Technologies
2	Introduction to electronics • Applications of electronics • Different types of Sensors • Accelerometer • Gyro • Barometer • Different Microcontroller Boards • Simulation Practice
3	Microcontrollers and Microprocessor difference • Introduction to embedded system • Simulation Practice • Ground Flying
4	Introduction to KK 2.0 Quadcopter Controller Board • KK 2.0 Controller Board Explanation • Different Controller boards • Connections of ESC to KK 2.0 • Calibration in KK 2.0 • Simulation Practice
5	Flight Mode • **Stabilize Mode** • **Loiter Mode** • **RTL Mode** • **Alt Hold** • **Auto Tune** • **Auto Mode (Mission Planning)** • Final Calibrations and Testing • Weight Calibration • Selecting proper modes for flight • Safety Precautions • Take Off • Simulation Practice

Sr. No.	Content
1	Introduction to IOT
2	IOT Architecture
3	Introduction to IoT Structure
4.	Installation of Software
5.	Interfacing of LED and programming it for blinking
6.	Interfacing of switch and programing it for different purposes Like Switching LED, Increment Display etc
7.	**Developing Complete application to control home appliances through IOT**
8.	Introduction to Thingspeak
9.	1) Opening Account on Thingspeak 2) Creating Channel on Thingspeak
10.	Programming of Hardware to send data on Thingspeak
11.	Vehicle Automation Using IoT(Project)
12.	Self driving car(Project)
13.	Remote Car unlock using Android App(Project)
14.	Motion Detector With NodeMCU (Project)

Fees Structure & Duration :-

BASIC

Internship + Learning Videos

- Training Completion E-Certificate
- 18 Hrs. of Live Classes
- Self Learning Videos
- Online Test & Assessment
- Online Live Session

PLUS

Internship + Learning Videos + Project work

- Training Completion E-Certificate
- 36 Hrs. of Live Classes
- Self Learning Videos
- Online Test & Assessment
- Online Live Session
- Project Work

PRO

Internship + Learning Videos + Project work

- Training Completion Certificate
- 54 Hrs. of Live Classes
- Self Learning Videos
- Online Test & Assessment
- Online Live Session
- Project Work
- Full Access & Course

Summer Internship 2018 (Student From Various Colleges such as COEP, IIIT Nagpur, PRMITR, PRCEAM, HVPM COET, G.H.Raisoni)

STTP Workshop 2018 at P.R.Pote (Patil) Engg

RC Plane & Drone Workshop 2017 at P.R.Pote (Patil) Engg

IOT & Raspberry Pi Workshop At Ram Meghe Institute of Tech.Badnera

**Ram Meghe Institute of Technology
&
Research, Badnera-Amravati**

**P.R.Pote (Patil) College of Engg.
&
MGMT,Amravati**

Government Polytechnic,Arvi

Government Polytechnic, Amravati

**H.V.P.M College of Engg.& Tech.
Amravati**

**Matoshri Vimlabai Jr College,Amravati
&

Independent Jr College Rural Institute,

Amravati**

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