MDB Electrosoft

Simulation of basic ckts. using Protius and PCB Designing

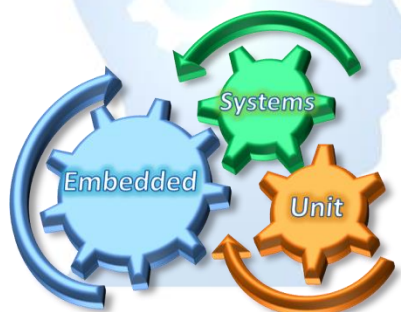# Technical Skill Development Program

About Us :

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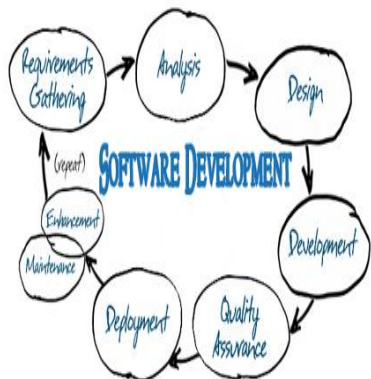
Our Mission is to develop the technically sound, well skill students for industries and create maximum employment.

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.

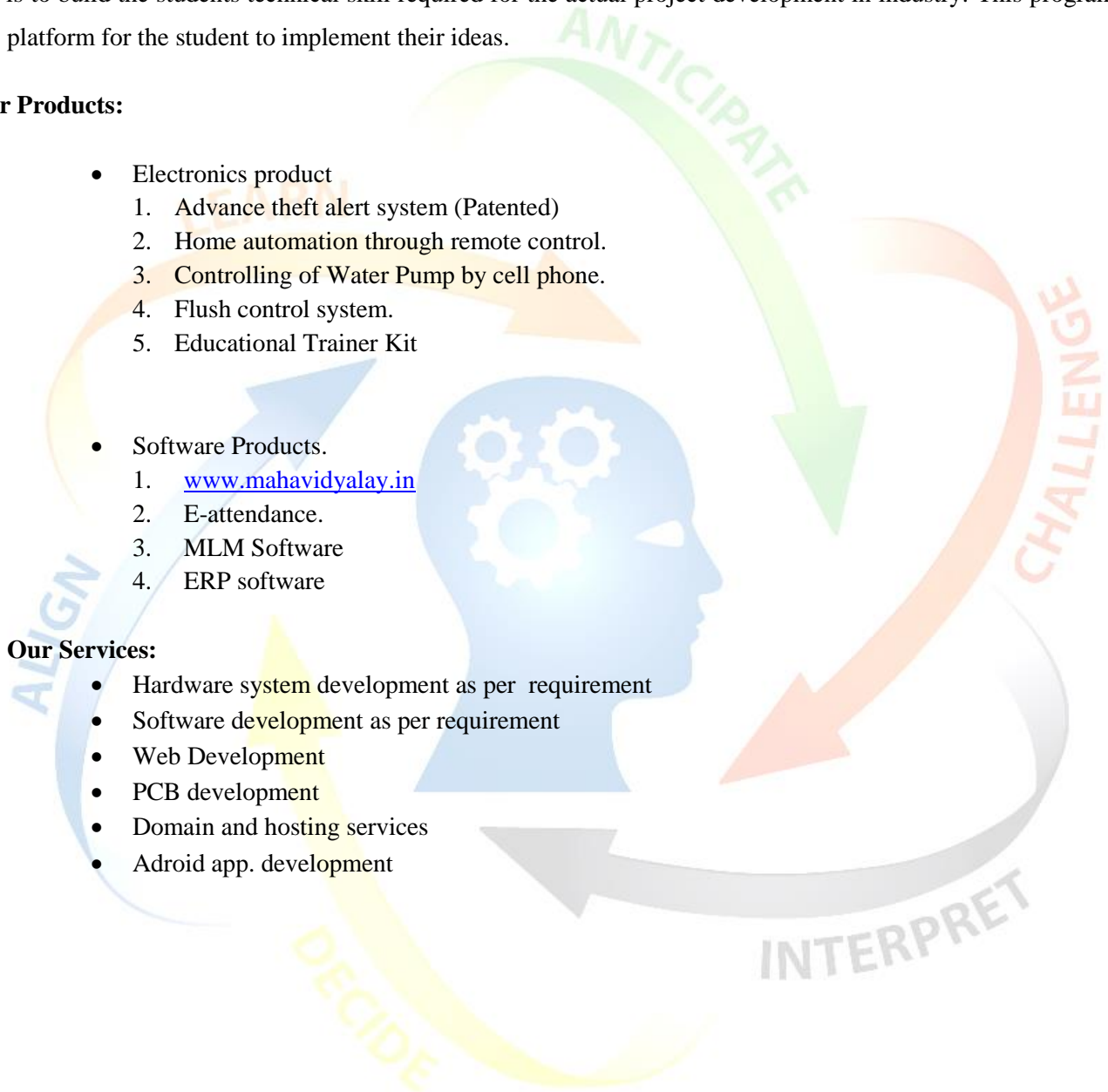**What is Project Development Training Program?**

We have started project development training program for the Engineering, Polytechnic as well as for Professional students. The concept behind this program is to provide Practical project development training, so that students get interact with latest project development strategy and emerging technologies. Our vision behind this program is to build the students technical skill required for the actual project development in industry. This program provides platform for the student to implement their ideas.

Our Products:

- Electronics product
    1. Advance theft alert system (Patented)
    2. Home automation through remote control.
    3. Controlling of Water Pump by cell phone.
    4. Flush control system.
    5. Educational Trainer Kit

- Software Products.
    1. www.mahavidyalay.in
    2. E-attendance.
    3. MLM Software
    4. ERP software

Our Services:
- Hardware system development as per requirement
- Software development as per requirement
- Web Development
- PCB development
- Domain and hosting services
- Adroid app. development

Course Content

Sr. No.	Content
1.	Instuallation of Protius
2.	Introduction to Protius • Introduction to ISIS and ARES • How to select component • Introduction to different options available in Protius
3.	Simulation of Ckt. Based on LED Switch & Battery
4	• Understanding parameters of transister with the help of datasheet. • Automatic street light control ckt simulation using transister
4.	Ckt based on IC 555 • Astable Multivibrator • Monostable Multivivrator • Automatic street light controll using IC555 • Water tank full indicator using IC555
5	Running LED ckt simulation • Clock design using IC555 • Introduction to 4017 from detasheet
6	Interfacing of 7 segment display, and counter design to count no. of items • Introduction to 7 segment display and its pin configaration from datasheet • Introduction to counter and seven segment decoder 4026/4033 • Ckt. Connection and simulation.
7.	Design and simulation of Obstacle detector ckt. • Introduction to opamp lm358 using datasheet • Working of Opamp as comparator. • Ckt. Connection and simulation.
8.	Design and simulation of Fire alarm. • Introduction to temperature sensor using LM35 • Ckt. Connection and simulation.
9.	Design and simulation of coridoor light. • How to design ckt. For coridoor light based on above learning • Sensor requirement.

	• Ckt. Connection and simulation.
10.	Design and simulation of fixed power supply with PCB Design • Design and development of ckt for fixed power supply • Design of ckt in protius. • Design of PCB using ARES. • How to take PCB layout on physical PCB • Eatching Process. • Drilling and Mounting of componemt. • Testing of board.
11.	Design and simulation of Varible power supply with PCB Design • Design and development of ckt for fixed power supply • Design of ckt in protius. • Design of PCB using ARES. • How to take PCB layout on physical PCB • Eatching Process. • Drilling and Mounting of componemt. • Testing of board.

Note : 1) Kit cost = Rs.300/-

2) Fees = Rs. 600/- Per candidate (Including Kit)

3) Workshop will be of 2 days.

4) Trainner Team : Main Trainer – 12 Year eperience (Teaching 8 years Industry 5 yeays)

: Two subordinate to solve the difficulties of students.

5) Expected Entries of more than 40 students.

Kit Include

Sr. No.	Component List	Quantity
1	Diode In4007	6
2	Transformer 12-0-12/500 MA	1
3	Mains Cord	1

4	Cap	
	1000uF	2
	100uF	2
	10uF	1
5	Mail, Female connector	1
6	Glass Epoxy PCB 3cm X 4cm	1
	4cm X 7cm	1
7	IC7805	1
8	IC 317	1
9	Soldring Gun	1
10	Soldring Wire	1
11	Sodring Paste	
12	LED	2
13	Resister 330Ω	2
	100 Ω	1
	1k	1
	POT 5k	1

Key Features of Our Training Program:

- ➢ Well experience trainer
- ➢ Practical approach in each program.
- ➢ Certificate to each participant
- ➢ Interaction with each and Every participant
- ➢ Offer a global platform for innovative developers (Internship Program)

Kit Provided :

- : 1. Hardware Development Kit

- : 2. Certificate

Contact Us @

MDB Electrosoft

Mudholkar Peth ,In front

of Oswal Bhavan,

Amravati,MS

www.ibasehosting.com

+91-9552811938

+91-9970217556

mdbelectrosoft@gmail.com

Our Ventures

In Vidarbha & Hyderabad...

mahavidyalay.in
....because you deserve a right place of study

iB@se Educational
Spreading knowledge till the end

Our Products

e- Attendance

WL- Operator

Farma Switch

Our Patent

Authority Alert System

Workshop On Project & PCB Design @ PRMIT & R Badnera, Amravati

Workshop on Embedded system @ P.R. Pote Polytechnic

TPSI Program

Hyderabad

Android Workshop

Amravati

Skill Improvement Program

Secundarabad