# Industry Oriented Training & Application Institute





Consulting
Training, Applications based on Hard Core Engineering
in Various Dimensions of Science.

Innovating Passion for Excellence to Enhance the Technocrats



#### Things We Deals With

- MATLAB & Simulink
  - o Signal Processing
  - o Image Processing
  - Communication Systems
  - o Control Systems
  - Mechanical Designs
  - Virtual Reality
- Embedded Systems
  - o 8051 Based Design
  - o ARM Based Design
  - PIC Based Design
- Mechatronics
  - o Robotics
  - Humanoid Based Design
- Auto Cad
- Web Solutions
  - o JSP, PHP, #.Net
- Linux Programming
  - o Shell Programming
  - Network Design
  - Routing
- Database Systems
  - o Oracle
  - o DB2
- ERP Solutions

#### **EXECUTIVE SUMMARY**

'**iota**' is an initiative, is become necessary, taken **to** make students aware of the latest modifications done in Engineering Design & Applications.

- ✓ We firmly believe in the infinitely accessible capacity of the human mind.
- ✓ We believe that all we need is that single second of inspiration.
- ✓ We believe that it's our entire destiny to solve the problems
  of our path.
- ✓ We believe that ideas are not constrained by age, color or creed.
- ✓ We believe that each one of us has that potential to change the way we look at ourselves.
- ✓ We believe in the boundless possibility within the human race.
- ✓ We believe that the Human Mind have got Infinite Capabilities to work out without getting tired of doing the things in best possible ways, which needs the right commands to initiate it & to get involved solely to get a complete throughput thoroughly.

Be a cut above the rest. Get inspired.

"**iota**" is an industry level challenge to provide convenient solution to the Modeling & designing in the field of Engineering.

#### **OBJECTIVE**

**Iota** is an organization aimed to boost the skills of the engineering professionals and provide them an opportunity to showcase their conceptual depth and skill sets. **Iota** is to prove the ultimate strength in accuracy and skills of designing. We deal with the development of the system according to the requirement and also the up gradation in solutions.

#### **MATLAB & Simulink**

MATLAB and Simulink is a set of soft tool which help the students for learning by work on mathematical modeling & realworld problems develop programming skills. Students get the freedom to explore and to experiment with data, algorithms, and models by the implementation of their own steps. They learn the analysis, and design while using the industry-standard tools.

#### **EMBEDDED SYSTEM DESIGN**

Embedded System design Includes the Software based Hardware Control along with self executable task handling. There are large numbers of Processors available in the market but Master is that person who can deal with the changes to enhance the science world.

## INDUSTRY ORIENTED SOFT SOLUTIONS

Software Solutions includes the use of Various Technologies to enhance the efficiency over the network & also the enhanced Capabilities of the System. For the purpose of Industry automation we deal with various automation tools.



#### **TRAININGS**

#### **Embedded Systems**

Embedded System Design using 8051 Microcontroller Embedded System Design using PIC, ARM, AVR Microcontroller Real Time Hands on Practice

#### **MATLAB**

Steady Space Analysis
Bio-Medical Instrumentation
Speech/Audio Processing
Data Encryption/ Decryption
Image Processing/ Bio-Metric Security Systems
Control of Motors, Engine, Aircrafts
Implementation of Robots/ Humanoids

## **Communication Systems**Study of Frequency Spectrum

Study of High Frequency Spectrum Design
Study of Cellular Systems (GSM, FDMA, CDMA)
Study of Satellite Link Design
Study of GPS Module
Study of Baud Rate Control in Mobile Systems
Study of Error Control Coding
Design & Implementation of Various Algorithms for Efficient Communication

#### **AUTOMATION**

PLC (Programming Logic Controllers)
SCADA (Supervisory Control & Data Acquisition)
Instrumentation
A.C. Drives/ Site Visit/ Panel Designing

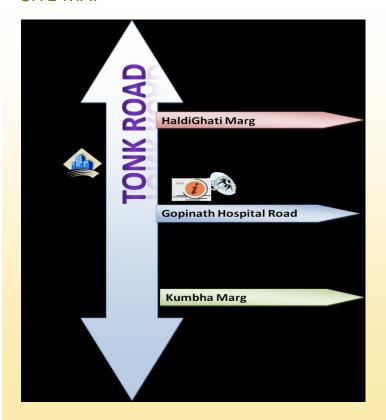
#### **ERP/ Web Development**

Industry Oriented Software Solution Web Designing Linux Programming Database Management

#### **Mechanical Design**

AUTOCAD Design
Design of Machines
Design in 3D & Animation

#### **SITE MAP**





Enhancing Technology

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