

# **Centre For Industrial Solution and Advanced Training**

**(ISO 9001: 2008 Certified)**



**INDUSTRIAL TRAINING**

**+**

**FINAL YEAR  
ACADEMIC PROJECT**

**+**

**INDUSTRIAL VISIT**

**(June 2013- March 2014)**

# PROPOSAL TO ENHANCE INDUSTRIAL/TECHNICAL SKILLS

For Whom

- **FOR ENGINEERING GRADUATES**
- **SESSION JUNE 2013- MARCH 2014**
- **(BE/ BTECH /DIPLOMA IN ENGG/ B Sc / M Sc)**

What

- **VARIOUS CUSTOMIZED INDUSTRY ORIENTED CERTIFICATE TRAINING PROGRAMS**

How

- **CUSTOMIZED TRAINING**
- **ACADEMIC PROJECT (FINAL YEAR)**
- **INDUSTRIAL VISIT**

# ABOUT US

We are a group (**ISO 9001:2008 certified**) of industrial experts with a passion of teaching from various fields such as Electrical, Mechanical, Process Control, Computer from Power, Aluminium, Steel, Oil and Cement Industries.

We deliver various trainings to employees of many esteemed corporate.

Customized Skill Development program along with Industrial Visit and Final Year Academic project is available at our various locations of Pune, Nagpur & Bhilai.

# OBJECTIVE

- It has been observed widely that Engineering students are lacking various skills required for an Industry such as Industrial technical Skills and Basic skills mainly Behavior (Communication, Soft Skill, Attitude, personal grooming).
- A solution is proposed herewith by various specialized Training programs of duration 3-4 weeks each along with customized Academic Project and Industrial visits to get knowledge and fulfill academic requirement.
- Through these programs which are completely Industry oriented, we propose to share our Practical expert knowledge with them so that they are prepared for future.
- This also help them in enhancing their skills and knowledge required for an Industry. To complete their academic requirement through Project.

# Area of Training/Project Expertization

- **Technical Skill (Operation/Maintenance/Design)**
  - Electrical/ Power
  - Mechanical/ Mechatronics
  - Electronics/ Elx & Communication/Embedded System
  - Instrumentation / Process Control/ PLC/SCADA
- **Behavioral Skill**
  - Soft Skill: Communication
  - Etiquettes, Personal Grooming and Appearance
  - Interviewing Skill

# HOW WE WILL DELIVER KNOWLEDGE

## Training Delivery Methodology:

- ❖ Presentations to emphasis more on Basics of Engineering
- ❖ Simulations, Animations and short clips.
- ❖ Hands on Practice as applicable.
- ❖ Industrial examples on various Applications (from various Industries).
- ❖ Case studies
- ❖ Simple thought process Improving Projects/Quiz/Seminar.
- ❖ Assignments & Evaluation
- ❖ Industry Visits 2-4 Days.
- ❖ **Selection and Completion of Projects to fulfill Academic requirement.**
- ❖ A valuable **Certification** along with a knowledge

# WHO WILL DELIVER THE KNOWLEDGE

## **Expert:**

Eminent Expert/faculty having brilliant academic background and long professional experience in industry having passion for teaching will conduct this workshop.

These Faculties conduct the Training to all major Industry Employees as mentioned. All Faculties is having min 10 Yrs rich experience in industry in operation and Maintenance and well versed to all the processes & requirement in an Industry.

Surely these faculties are the assets who will share their Practical industrial Applications , Case studies etc.

Guidance to complete the project through these experts.



# WHERE, WHEN & DURATION

All the customized Certificate Training programs will be delivered at various our Locations **Pune, Nagpur & Bhilai.**

But we are open if college provides the Facility then to conduct at their premises for everyone's benefit.

Customized Program are of **3-4 weeks duration** and to be conducted during **May 2013 to March 2014** till completion of Projects.

Students have options to select the Courses from the mentioned topics as per their interest which they feel to be more useful.

We are also open to design specialized program and deliver the same as per students requirement.

# CERTIFICATION

A Participation as well successful completion **Certificate** of Training Program will be issued to all Individual.

Industry sponsored certification for completion of Project sponsored by an Industry.

Surely it will be an asset to all. But we believe in the knowledge which we will impart to be more fruitful in future and core Industries.

# Details of Training Programs

**Project/Industry Oriented**

**Certificate programs in INSTRUMENTATION engg**

**Training Programme & Project On**

# **Industrial Automation**

- **Contents**
- **PLC/SCADA/HMI/Drives**
- **Engineering PLC Programming**
  
- **Project Domain**
  - **Any Industrial Application using PLC/SCADA**
  - **Various Control Application**
  - **PLC Programming & Hardware Interface**

# Certificate programs in INSTRUMENTATION Engg

## Training Programme & Project On

# Industrial Instrumentation & Control

- **Contents**
  - Various Sensors and Transducers
  - Control Valves
  - Automation (PLC/SCADA)
  - Engineering PLC
- **Project Domain**
  - Any Industrial Application using PLC/SCADA
  - Various Control for Applications
  - PLC Programming & Hardware Interface
  - Measurement techniques

# Certificate programs in Communication and Networking

## Training Programme & Project On

# Industrial Communication and Networking

- **Contents**
  - Industrial Communication
  - Ways of Communication
  - Network topology
  - Hardware Support & Software Requirement
- **Project Domain**
  - Any Industrial Application using Networking
  - Various Control & Applications
  - Software Hardware Interface
  - Various techniques

# Training programs in MECHATRONICS Engg

## Course outline

### Module 1

- Introduction to Mechatronics
- Digital and analog Sensors and transducers
- Control System Components

### Module 2

- Actuators , electric , pneumatic and hydraulic
- Servomotors, stepper motors
- Controller for Mechatronic systems
- Drives for servomotors and stepper motors
- Introduction to TCP/IP

### Module 3

- Logic controller, PLC and HMI
- Introduction to Motion Control
- Motion Control Terminologies
- Basics of Rotary encoder and other transducers
- Mechanical consideration for Mechatronic systems

### Module 4

- Mechatronics Project Engineering
- Mechatronics Applications case studies
- Real Life Project Case Studies

# **TRAINING PROGRAM ON PERSONAL GROOMING & INTERVIEWING SKILL**

- A. Personal grooming and Interview Preparation**
- B. Communication and Business Etiquettes**
- C. Group Discussion**
- D. Aptitude Preparation**
- E. Professional CV preparation**
- F. Campus Connect Offerings**
  - Short Term Workshop Programs
  - Job Oriented Programs
  - Long Term Continuous Development Programs



# For Whom

- Final Year student of Engineering (BE/ B Tech & Diploma) May 2013- March 2014.
- Diploma/ M Sc/ B Sc Students.
- Engineering Graduates who wish to attend.

## Intention

## SKILL DEVELOPMENT

## & Ethics

No ready made projects will be given to Students.  
They have to prepare themselves. Training, All Valuable Support & Guidance will be provided to get absolute knowledge.

# Contact us For More Details

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