"Do Engineering" with TIERA

MASTER THE SKILL SET FOR ACADEMICS, INDUSTRY AND R&D

TIERA

DEVELOPING INDUSTRY-READY ENGINEERS

- ◉ World Class Training Equipment
- ◉ "HANDS ON" Engineering
- ◉ Research And Development
- ◉ Certified Trainers

➢ Master the IIoT (Industrial Internet of Things)

➢ Specialize in pneumatics, electro-pneumatics, hydraulics, servo-hydraulics, PLC

➢ Experience Data Acquisition, Industrial automation and instrument control using LabVIEW and FPGA controller

➢ Understand Finite Element Programming Tools with coding and FE software and experimental correlations

➢ TATA technologies, i-GetIT based course-ware for Solid modeling, GD&T, AutoCAD etc.

➢ ISO, ASNT based curriculum with coaching for International Certification Examinations (CLAD, ISO CAT I, CAT II etc.).

GNU Octave

TATA
TATA TECHNOLOGIES
i GET IT®

CAE ENGINEERING
CAD DESIGN
CAM MANUFACTURING

Altair

NATIONAL INSTRUMENTS™

JANATICS Pneumatic

HYPERMESH

SHORT TERM COURSES AND INTERNSHIPS:15 TO 40 HRS.

- LabVIEW programing for engineers
- Hands on training in Robotics, sensors and algorithms
- Sensors , Data acquisition & IIoT
- Strain, displacement, pressure and load measurement in structures
- Vibration control system design
- Condition monitoring system design
- Introduction to industrial automation: PLC, HMI, VFD with real time interfacing
- Finite element modelling using ANSYS and MATLAB
- Arduino programming for beginners
- Machine vision using LabVIEW/Matlab
- Introduction to Geometric dimensioning and tolerancing with basic machine assembling/dissembling
- Motion control using LabVIEW (Stepper, servo, DC, AC and BLDC motors and drives)
- Product Design Using AutoCAD/Solidworks/Hypermesh
- Industrial pneumatics and electro-pneumatics, hydraulics

ECE

Civil Engineering

EE Electrical & Electronic Engineering
The University of Hong Kong

Mechanical ENGINEERING

LONG-DURATION SPECIALIZATION COURSES: 60 TO 180 HRS

- Diploma in industrial electro-pneumatics with PLC
- Diploma in industrial drives and controls
- Computer Aided Engineering Analyst Level I, II and III
- Diploma in Machine Drawing: 2D, 3D and GD&T
- Industrial Vibration Analyst Level I, II courses
- Diploma in Data acquisition using LabVIEW, DAQ and FPGA
- Certificate course in Machine Balancing and Condition monitoring
- Automation Engineer Grade I, II: Sensors, actuators and PLC

GET CERTIFIED

ISO International Organization for Standardization   8436

MOBIUS INSTITUTE **iLEARN VIBRATION**

MOBIUS INSTITUTE **iLEARN BALANCING**

MOBIUS INSTITUTE **iLEARN ALIGNMENT**

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