Training Programs

Course No. : WAMC - 101
Course : Workshop on Automation and Motion Control

Description : 10-12 hours of hands on training providing an insight into the components used for motion control.

For : This course is for students, engineers and executives who are planning to enter the field of automation & motion control, but have no prior experience in the field.

Recognition : A certificate of participation will be issued.

Fees : Rs. 3000 #

Class Size : max. 15

Duration : 2 Days *

Objectives :

- *Introduction to Linear motion components like Screws, Timer Belts and Pulleys, LM Guides, Gearbox, Slides, Bearings etc.*
- *Operation of*
  - *AC Motors & Drives*
  - *DC Motors & Drives*
  - *Stepper Motor & Drives*
- *Motion Controllers – Types*
- *Interfacing peripherals, programming, serial communication & applications for Microcontrollers*
- *Field Sensors*

 # Rs. 500/- concession for students against valid college ID
*** Third day practical training extra @ Rs.1000/-**

Tel : 91 22 25931070/ 71 Email : isec@integratedindia.com

Course No. : **WAMC - 200**
Course : **Workshop on Automation and Motion Control on Site**

Description : 10-12 hours of hands on training providing an insight into the components used for motion control.

For : This course is only for students from any discipline interested in the field of automation, motion control & Mechatronics in their institutes.

Recognition : A certificate of participation will be issued.

Fees : **Rs. 2000** #

Class Size : max. 50

Duration : **2 Days**

Objectives :

- *Introduction to Linear motion components like Screws, Timer Belts and Pulleys, LM Guides, Gearbox, Slides, Bearings etc.*
- *Operation of*
  - *AC Motors & Drives*
  - *DC Motors & Drives*
  - *Stepper Motor & Drives*
- *Motion Controllers – Types*
- *Interfacing peripherals, programming, serial communication & applications for Microcontrollers*
- *Field Sensors*

- ***Third day practical training extra @ Rs.1000/- subject to minimum 25 registrations and permission from institute.***

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Course No. : **WAMC - 110**
Course : **Workshop on Automation and Motion Control**

Description : 18-20 hours of hands on training providing an insight into the components used for motion control.

For : This course is for students, engineers and executives who are planning to enter the field of automation & motion control, but have no prior experience in the field.

Recognition : A certificate of participation will be issued.

Fees : **Rs. 7500** #

Class Size : max. 15

Duration : **5 Days** *

Objectives :

- *Introduction to Linear motion components like Screws, Timer Belts and Pulleys, LM Guides, Gearbox, Slides, Bearings etc.*
- *Operation of*
  - *AC Motors & Drives*
  - *DC Motors & Drives*
  - *Stepper Motor & Drives*
- *Motion Controllers – Types*
- *Introduction to PLC & MMi*
- *Interfacing peripherals, programming, serial communication & applications for Microcontrollers*
- *Field Sensors*
- *System Integration*
- *Case Studies*

Rs. 500/- concession for students against valid college ID
* ***Sixth day practical training extra @ Rs.1000/-***

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Course No. : **IAMC - 100**
Course : **Industrial Automation and Motion Control – 0 Level**

Description : 28 – 30 hours of hands on training familiarizing engineers to see and operate most of motion control equipments.

For : This course is for engineers and executives who are planning to enter the field of automation & motion control, but have no prior experience in the field or for those who want to strengthen their basics before going further.

Recognition : A certificate of participation will be issued.

Fees : **Rs. 12000**

Class Size : max. 15

Duration : **1 month**

Objectives :

- *Power Supplies*
- *Motion Controllers*
- *PLC, MMI, SCADA*
- *Operation & Protection of*
  - *AC Motors & Drives*
  - *DC Motors & Drives*
  - *Stepper Motor & Drives*
  - *Servo Motor & Drives*
- *Motion Controllers – Types*
- *Interfacing peripherals, programming, serial communication & applications for Microcontrollers & Microprocessors*
- *Field Sensors*
- *Integration & Applications in industry*

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Course ID : **IAMC - 200**
Course : **Industrial Automation and Motion Control – A Level**

Description : 58 - 60 hours of hands on training familiarizing engineers to see and operate exhaustively most of motion control equipments.

For : This course is for engineers and executives who have sound knowledge and/or experience in the field of automation & motion control, and want to further enhance their knowledge and technical know-how or those who have already completed O level course.

Recognition : A certificate of participation will be issued.

Fees : **Rs. 36000**

Class Size : max. 15

Duration : **3 months**

Objectives :

- *Power Supplies, Digital Electronics*
- *Process Control Systems*
- *Accuracy, Resolution, Repeatability*
- *Linear Motion Components like Screws, Timer Belts and Pulleys, LM Guides, Gearbox, Slides, Bearings etc.*
- *Selection, Operation, Protection & Troubleshooting of*
  - *AC Motors & Drives*
  - *DC Motors & Drives*
  - *Stepper Motor & Drives*
  - *Servo Motor & Drives*
- *Motion Controllers – Types, Selection, Operation*
- *PLC, MMI, SCADA*
- *Interfacing peripherals, programming, serial communication & applications for Microcontrollers & Microprocessors*
- *Data Acquisition*
- *Field Sensors – Types, Selection & Application*
- *Integration & Applications in industry*

Tel : 91 22 25931070/ 71 Email : isec@integratedindia.com

- **Special Courses in Microcontrollers and Software for Motion Control.**
- **More courses coming up in the fields of Electronics, Mechanical, Electrical Mechatronics & Robotics.**

For Course details and other information contact:
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112, Raja Industrial Estate, P.K. Road, Mulund (W), Mumbai – 400080
Tel : 91 22 25931070/ 71 Fax : 91 22 25684975
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