About CRISP

CRISP is established under Indo-German Cooperation agreement as an autonomous organisation of the Dept. of Technical Education and Skill Development, Govt. of M.P.

CRISP provides technical training and consultancy services for Industry Personnel, Government Officers, Faculties of academic and teaching institutions, Students and Jobseekers. CRISP is equipped with the state-of-the-art equipment and technology, latest software, qualified, trained and experienced trainers in the relevant fields.

CRISP has its head office in Bhopal and training centres at several national and international locations.

Other training programmes in Electrical and Electronics offered at CRISP are :

- MMI
- VLSI Design
- AC/DC Drive
- WinCC SCADA
- PLC Networking
- Industrial Automation
- Fiber Optic Networking
- Electronics Maintenance
- Embedded System Design
- Field Instrumentation & Control
- PLC Programming and Application
- Electrical Control & Relay Logic Application

Patron Clients of CRISP

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INTERNET OF THINGS (IoT)

...unleashing the full potential of men & machines

Internet of Things

IoT
Arduino
Cayenne

Introduction of Course

Internet of Things or IoT is the technology of making Embedded devices and sensors smarter by connecting them to the internet cloud . This training program introduces you to IoT and its applications in different fields of engineering using Arduino Development Kit, and Raspberry-Pi.

After the completion of the course, the participans will be able to design IoT based prototypes and projects like Home Automation using IoT, Weather Station, Smat Irrigation Controler for different engineering applications

Course Contents

- Introduction to IOT
- Architecture, possibilities and challenge with respect to software and hardware in IoT
- Basics of Internet of Things and its applications.
- Use Arduino, RaspberryPi & Nodemcu environment for creating the embedded projects.
- Cloud IoT Platform such as Blynk, Thingspeak, Cayenne to store and retrieve sensor data
- Home automation using Bluetooth and Android App.
- Connect Arduino with Android phone.

- Send data to the Internet and talk to the Cloud.
- Update sensor readings on Cayenne , Blynk , Thingspeaks.

Methodology

The programme consists of a mix of :
- Lectures and presentations
- Demonstrations
- Interactive discussions
- Hands-on practice

Pre-requisite

- Industry personnel with relevant experience
- Passouts or students pursuing Diploma/ Degree in Science / Engineering or equivalent

Duration

Full time : 5 working days (7 hours/day)
Part time: Four weeks (20 working days, 2 hours/day)

Course Fee

Kindly refer to our training calendar at www.crispindia.com or can be obtaind from CRISP counselling desk

Mode of Payment

Cash / Online/ Debit/ Credit Card