

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 Mechanical Engineering offered at CRISP are :

- AutoCAD - Electrical/ Civil/ Mechanical
- CAD/CAM - CATIA/ UG NX/ Pro-E/ Solid Works
- CNC Technology
- Industrial Hydraulics
- Industrial Pneumatics
- Mechanical Maintenance
- Industrial Hydraulics and Pneumatics



Patron Clients of CRISP



Contact :

Course Co-ordinator
Mr. Sudhir Vishwakarma
Mobile: 9589496819
e-Mail : sudhir.v@crispindia.com

Sr. Manager (Marketing)
Mr. Faisal Jafri
Mobile : 9826334406
e-Mail : faisal@crispindia.com

Centre for Research and Industrial Staff Performance

(Established under Indo-German Technical Co-operation)
Opp. Manas Bhawan, Shyamla Hills, Bhopal – 462 002
Phone : +91 755 2661401, 4223702 Fax : 4220022

CAR MECHATRONICS (BASICS)



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Introduction of Course

Modern vehicle design is driven by the need for increased comfort, safety and security. As a result, automobiles are becoming intelligent and increasingly reliant on electronics by offering compact, highly advanced components, safety system information, power-train systems, radio frequency and sensing technologies. The robust communication system used for diagnostic and fault finding, is one of the finest technology being used in the modern cars today.

With the growing number of cars on roads and increasing/advanced technologies in modern automobiles, there is an urgent need for automotive engineers with knowledge of technologically advanced modern engines.

Seeing to the huge potential in this area, we have designed a training programme in Car Mechatronics, as a step to offer ready-to-market talent pool to support the growing needs of the Indian automotive market.

Course Contents

M1. Mechatronics In Automobile

- Introduction of Mechatronics
- Definition Mechatronics
- Mechanical Controls in Car
- Terms and Abbreviations used

M2. Mechanical Systems and Mechatronics Control

- System Overview
- Engine: Petrol; Diesel
- Brakes and ABS System
- Steering System
- Suspension System
- Transmission System
- Safety and Immobilizer

M3. Automotive Electronics-I

- Basic Electrical Parameters
- Measurement
- Measuring Tools/ Equipments
- Circuit Parameter
- Working Safety with Electrical Circuits

M4. Automotive Electronics-II

- Sensors
- Actuators
- ECM diagnostic and testing KTS-5P

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 Degree/ Diploma in Mechanical/ Production/ Automobile Engineering or equivalent.

Duration

Full time : 5 working days (7 hours/ day)

Part time : 4 weeks (21 working days, 2 hours/ day)

Course Fee

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

Mode of Payment

Cash / Online/ Debit/ Credit Card