

## 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 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.

Other training programmes in Information Technology offered at CRISP are :

- Web Designing
- Computer Networking
- C & C++
- JAVA (J2SE)
- .Net Technology
- PHP Programming
- Oracle (OCA)
- Tally
- MS Office
- CISCO IT Essential (PCRM and Networking)
- CISCO Cyber Security



## Patron Clients of CRISP



### Contact :

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## Centre for Research and Industrial Staff Performance

(Established under Indo-German Technical Co-operation)  
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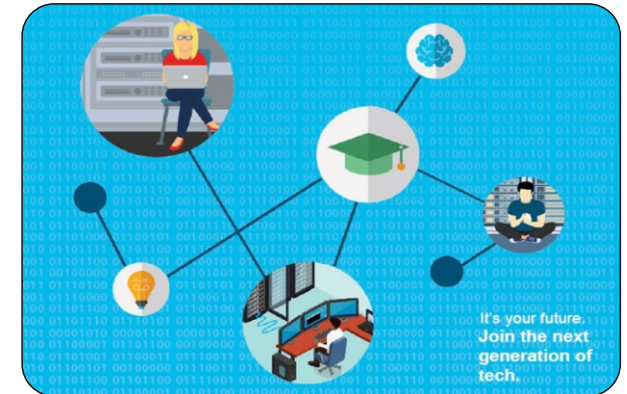
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Academy Years of Service



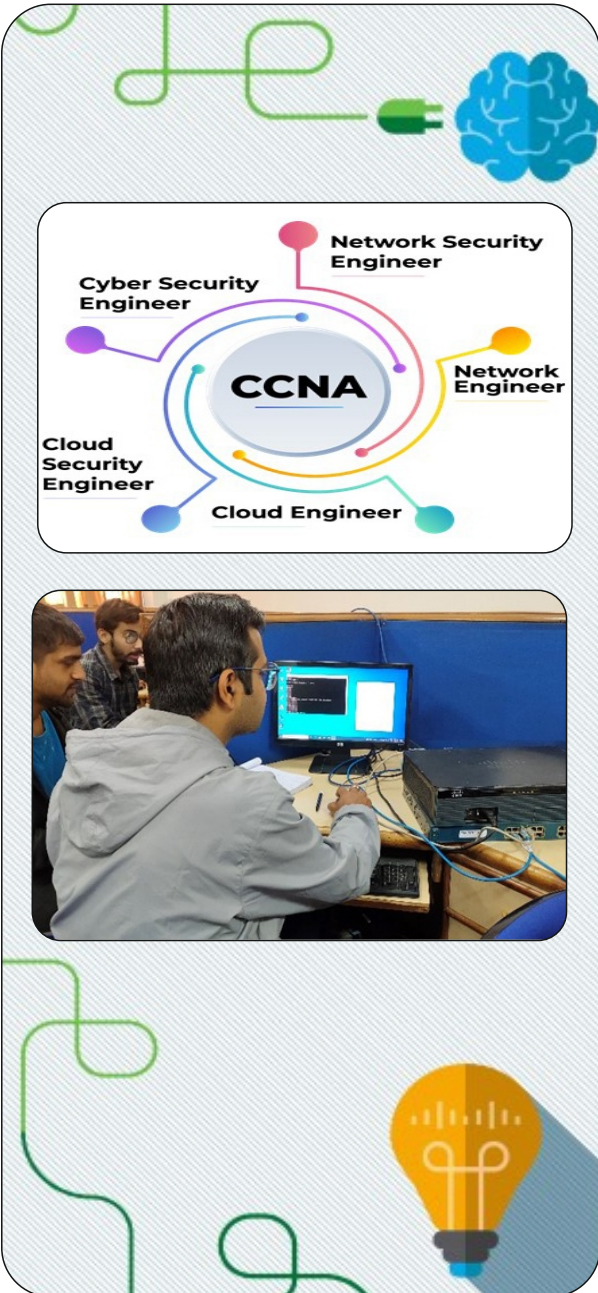
## CCNA (Routing, Switching and Wireless)



It's your future.  
 Join the next  
 generation of  
 tech.

...unleashing the full potential of men & machines

## CCNA (Routing, Switching and Wireless)



### Introduction of Course

CRISP is an authorised "CISCO Networking Academy" since 1999. The salient features of the Academy program are:

- Globally accepted certificate from CISCO Academy
- Online Academy curriculum
- Hands-on-training on CISCO Routers and Switches
- CISCO Academy membership and support

The CISCO Networking Academy CCNAv7 curriculum is designed for those who are seeking entry-level ICT jobs or are planning to pursue more specialized ICT skills. CCNA validates the skills required to manage and optimize today's most advanced networks. The CCNA training course and exam give the foundation to take the career in any direction. When certified with CISCO, you are living proof of the standard and rigor that businesses recognize and trust to meet and exceed market demands.

#### Possible job roles:

- Entry Level Network Engineer
- Network Administrator
- Network Support Technician

### Course Contents

- Internetworking concepts (Introduction to architecture, components and models (OSI and TCP/IP)
- Interconnecting CISCO Devices
- Introduction to CISCO IOS and Router/ Switch/ Wireless configuration
- IP Addressing (IP version 4 with Subnetting (VLSM/CIDR) and IP Address version 6)
- Remote location connectivity using Telnet/SSH and Emulating applications (Putty, Tera term and Secure CRT)
- Switching concepts and configuration: Inter-VLAN routing with L2 & L3 and EtherChannel
- Switch security configuration: Configuration of Port Security, VLAN, DHCP, ARP and STP attacks
- Network security fundamentals
- Routing Essentials Concepts and Configuration (Static and OSPFv2)

- Fundamentals and configuration of Router redundancy (FHRP) and Firewall basics with Access Control Lists
- Configuration of Network Address Translation (NAT), DHCPv4 & SLAAC and DHCPv6 on Router
- Wireless LAN concepts and configuration through WLC
- Modern WAN connectivity concept: Ethernet WAN, MPLS, VPN and IPsec
- Network Management with CDP and NTP
- Network virtualisation concepts Cloud Computing and Software Defined Networking (SDN)
- Overview of Network Automation: APIs and REST

### Methodology

- Lectures and presentation
- Demonstrations
- Interactive discussions with case studies
- Hands-on practice on devices

### Pre-requisite

- Industry personnel with relevant experience
- Graduate or students pursuing Degree/ Diploma in Electronics/ Electrical/ CS/ IT Engineering or equivalent
- Working knowledge of Computer

### Duration

**Full time:** 20 working days (7 Hrs./day)

**Part time:** 16 weeks (80 working days, 2Hrs./day)

### Course Fee

**Corporate participant:** Rs. 72,000/- + GST(non residential)

**Jobseeker student:** Scan QR

**Fee is subsidized for Jobseekers/students**

**Fee may be paid through QR code**

### Mode of Payment

Cash/ UPI/ Online/ Debit/ Credit Card