



# KARNATAKA GERMAN TECHNICAL TRAINING INSTITUTE-BENGALURU



## CERTIFICATE

Sl. No : 23284

*This is to certify that*

**ARUNKUMAR H**

*has successfully completed a training*

*Programme under CMKKY in  
Information Technology*



**CISCO CERTIFIED NETWORK ASSOCIATE (CCNA)**

*Course Duration : 210 Hrs*

*Student ID*

GS-0600

*Batch Code*

2023-KG-CNA-009

*Certificate No*

GBR - 0630

*Ravinder K*  
**Course Co-Ordinator**

**Date Of Issue :- 29- FEB -2024**



*U. M. D.*

**Director**

**KGTTI - GBR**

*Project Promoted by*



GOVERNMENT OF KARNATAKA

*Technical Consultancy by*

**giz** International  
Services

Behind Kenna Metals  
Nagasandra, Manjunatha Nagar  
Bengaluru - 560073  
Phone: 080-26642526  
Web: [www.kgtti.com](http://www.kgtti.com)

Certificate of Course Completion

## CCNAV7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAV7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

**ARUNKUMAR H**

Student

**Karnataka German Technical Training Institute (Bengaluru)**

Academy Name

**India**

Location

**29 Apr 2024**

Date

**Raviraj .**

*Raviraj H*

Instructor

Instructor Signature





Certificate of Course Completion

## CCNAV7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAV7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

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Academy Name

**India**

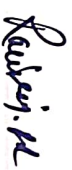
Location

**29 Apr 2024**

Date

**Raviraj .**

Instructor

  
Instructor Signature



Certificate of Course Completion

## CCNAV7: Enterprise Networking, Security, and Automation

The student has successfully achieved student level credential for completing CCNAV7: Enterprise Networking, Security, and Automation course administered by the undersigned instructor. The student was able to proficiently:

- Configure single-area OSPFv2 in both point-to-point and multiaccess networks.
- Explain how to mitigate threats and enhance network security using access control lists and security best practices.
- Implement standard IPv4 ACLs to filter traffic and secure administrative access.
- Configure NAT services on the edge router to provide IPv4 address scalability.
- Explain techniques to provide address scalability and secure remote access for WANs.
- Explain how to optimize, monitor, and troubleshoot scalable network architectures.
- Explain how networking devices implement QoS.
- Implement protocols to manage the network.
- Explain how technologies such as virtualization, software defined networking, and automation affect evolving networks.

**ARUNKUMAR H**

Student

**Karnataka German Technical Training Institute (Bengaluru)**

Academy Name

**India**


Location

**29 Apr 2024**

Date

**Raviraj .**

Instructor

  
Instructor Signature

