CRISP

Centre for Research and Industrial Staff Performance

(AN INDO-GERMAN TECHNICAL CO-OPERATION PROJECT)

BHOPAL

gtz

CERTIFICATE

Devesh C. Lal

has successfully completed the training course on

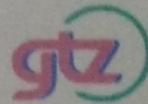# INSTRUCTIONAL MATERIAL DEVELOPMENT

conducted from 10-09-2001 to 14-09-2001

Course Co-ordinator

General Manager

TF 010

Issue 01

CRISP

CENTRE FOR RESEARCH AND INDUSTRIAL STAFF PERFORMANCE

(AN INDO-GERMAN CO-OPERATION PROJECT)

gtz

BHOPAL (M.P.)

This Certificate is awarded to Shri / ~~Smt.~~ / ~~Ku.~~

Devesh Chandra Lal   s/o Shri A.C. Lal

of **Tech. Asst. (Networking)**   ,   **CRISP**

on successful completion of a ~~seminar~~ / ~~work-shop~~ / short course
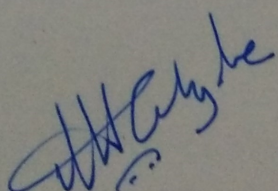
on   **AutoCAD (Rel. 13)**

organised by the Centre for Research and Industrial Staff

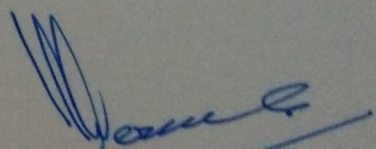Performance at **Bhopal**   ,

from   **02.12.97**   to   **12.12.97**

BHOPAL
DATE : 12.12.97

COURSE
CO-ORDINATOR

GTZ
TEAM LEADER

INDIAN
TEAM LEADER

CRISP

CERTIFICATE

Mr. D. C. Lal
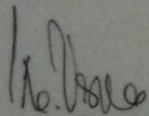
has attended a workshop on

Developing Competency Based Training Units

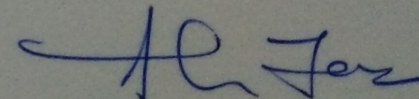from   02 November   to   07 November 1998

Organised by

CENTRE FOR RESEARCH AND INDUSTRIAL STAFF PERFORMANCE, BHOPAL .

(An Indo-German Technical Co-operation Project)

Course Coordinator

gtz

General Manager

Sr. No. 010989

ASSET
International
CERTIFIED COMPUTER COURSES

Certificate of Participation

This is to certify that

Devesh Lal

has participated in the course

Configuration & Implementation of Cisco Routers

at the _____ Bhopal _____ centre.

06-July-2001

Date : _____

Challen
Authorised Signatory

CTR0131

IBM

CERTIFICATE

This is to certify that
Devesh Chandra Lal

has successfully completed
the AS/400 e Series Course Conducted at

Mukand Infotech, Mumbai

22nd Jun,2000 - 07th Jul, 2001

and in recognition thereof
is awarded this certificate.

IBM

_____
Centre Manager

_____
Manager
IBM Global Services India

CRISP

gtz

Centre for Research and Industrial Staff Performance

(AN INDO-GERMAN TECHNICAL CO-OPERATION PROJECT)
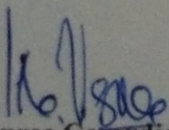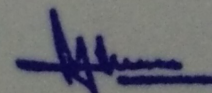
BHOPAL

CERTIFICATE

Devesh C. Lal

has successfully completed the training course on
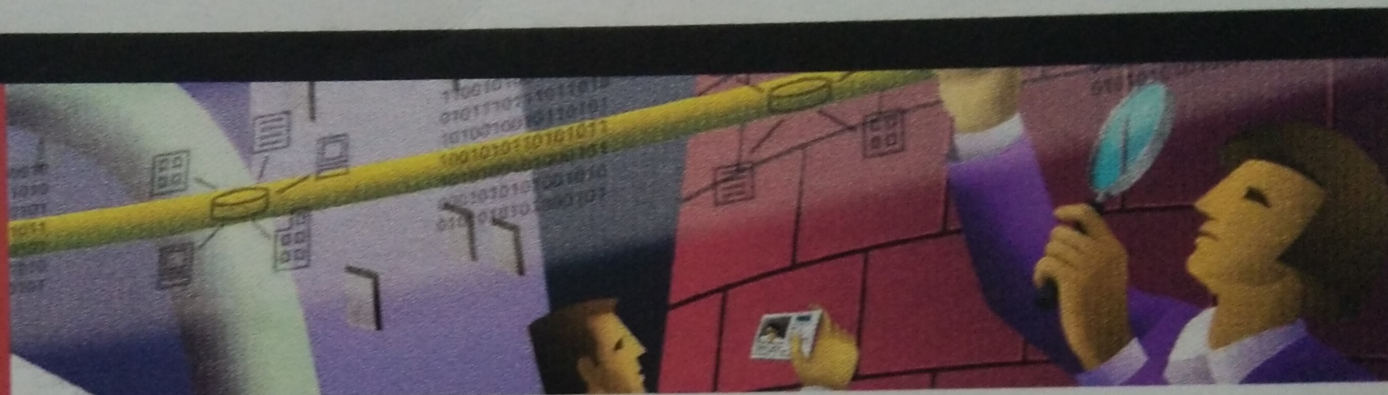
INSTRUCTIONAL MATERIAL DEVELOPMENT

conducted from 10-09-2001 to 14-09-2001

Course Co-ordinator

General Manager

TF 010

Issue 01

CISCO SYSTEMS

NETWORKING ACADEMY

Certificate of Course Completion

CCNA 1 Networking
Basics

Devesh Chandra Lal

Date :	September 4, 2003
Instructor :	Reddy, Ramana
Location :	Hyderabad
Academy Name :	International Institute of Information Technology, Hyderabad

_____

Instructor's Signature

During the Networking Basics course, administered by the undersigned instructor, the student demonstrated the following competencies:
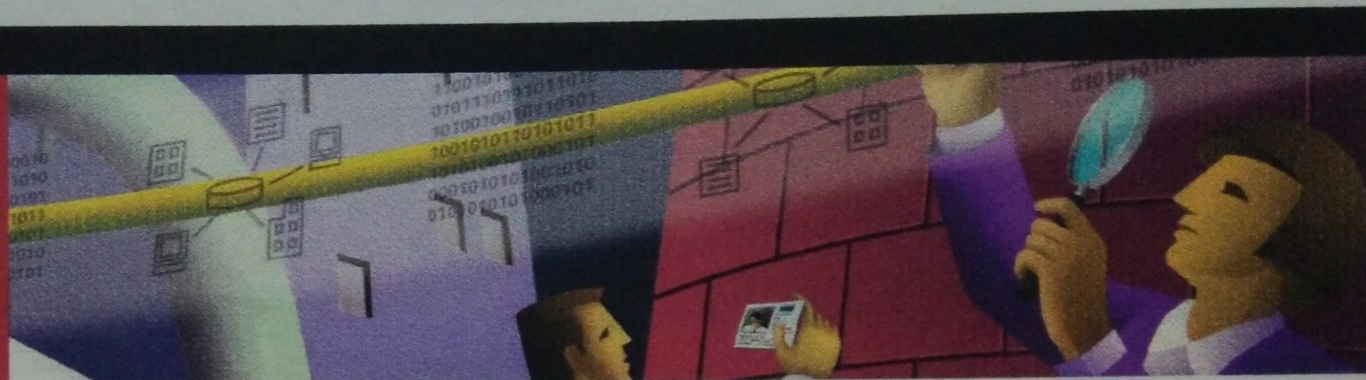
- Be able to identify and describe IP Address Classes.
- Proficient in using the binary number system.
- Proficient in IP address subnetting techniques.
- Proficient in the use of the three basic Boolean functions (AND, OR, NOR).
- Be able to describe the purpose of the OSI Model and the functions of each layer.
- Be able to describe the process of data encapsulation
- Be able to make a patch cable.
- Proficient in detailing the specifications of networking media (copper, fiber, wireless).
- Be able to describe and apply CAT 5 cabling standards.
- Be proficient in the use of a cable tester.

- Proficient in planning, designing, and installing work group and peer-to-peer LANs.
- Be able to describe the purpose of the TCP/IP Protocol Stack (DoD Model) and the functions of each layer.
- Be able to identify which layer of the OSI Model specific TCP/IP protocols reside.
- Be able to compare and contrast the OSI Model and TCP/IP Protocol Stack.
- Proficient in detailing the specifications of Ethernet.
- Be able to identify and describe Ethernet families (10BaseT, Fast Ethernet).
- Be able to describe the function of MAC addresses.

CISCO SYSTEMS

NETWORKING
ACADEMY

Certificate of Course Completion

CCNA 2 Routers and
Routing Basics

Devesh Chandra Lal

Date : September 12, 2003
Instructor : Reddy, Ramana
Location : Hyderabad
Academy Name : International
Institute of
Information
Technology,
Hyderabad

_____

Instructor's Signature

During the Routers and Routing Basics course, administered by the undersigned instructor, the student demonstrated the following competencies:

- Proficient in Internetwork Operating System command set, configuration files, IOS images.
- Proficient using IOS commands to interrogate the router and the network.
- Proficient in manipulating the router start-up sequence.
- Proficient in manipulating router configuration files.
- Proficient in manipulating IOS image files.
- Proficient in completing a basic configuration on one router.
- Be able to identify multiple routing protocols and describe their data flow.

- Be able to identify multiple routed protocols and describe their data flow.
- Proficiently configure routing and routed protocols.
- Be able to troubleshoot routing and routed protocol problems.
- Be able to identify and describe the function of router components.
- Be able to configure and apply subnetting techniques to a multiple router topology.
- Proficiently configure a multiple router topology.
- Be able to troubleshoot problems in a multiple router topology.

CERTIFICATE OF COURSE COMPLETION

CCNA 3 SWITCHING BASICS AND INTER-MEDIATE ROUTING

Devesh Chandra Lal

Date : December 24, 2004

Instructor : Reddy, Ramana

Location : Hyderabad

Academy Name : International Institute of Information Technology, Hyderabad

_____

Instructor's Signature

During the CCNA 3 Course administered by the undersigned instructor, the student was able to proficiently:

• Compute and use Variable Length Subnet Masking (VLSM) techniques to design and implement effective and efficient IP addressing

• Configure and use the RIP v2 distance vector routing protocol

• Describe the concepts and techniques of link-state routing, and compare and contrast with distance vector routing

• Configure and use the Open Shortest Path First (OSPF) link-state routing protocol in a single area mode of operation

• Configure and use the Extended IGRP (EIGRP) routing protocol

• Demonstrate an ability to troubleshoot routing protocol problems, specifically using and interpreting the show and debug commands

• Describe the operation and technology of the IEEE 802.3 "Ethernet" variants

• Describe and compare the concepts and techniques used within Ethernet switched LANs

• Describe and compare the concepts and techniques used by Ethernet LAN switches

• Design a simple LAN using tiered techniques

• Describe the three tier process as used by Cisco for internetwork design purposes

• Configure and administer a Cisco Catalyst LAN switch

• Compare and contrast various forms of redundancy built networks, and explain the associated advantages and disadvantages

• Describe the operation of the spanning tree algorithm, and describe the methods by which it is implemented and used in switched network

• Describe and compare the concepts, advantages and disadvantages of virtual LANs

• Configure and administer inter-switch VLANs on Cisco switches

• Solve a simple VLAN problem

• Configure and administer VTP on Cisco switches

• Configure and administer routing between VLANs on Cis switches

CISCO SYSTEMS

NETWORKING ACADEMY

CERTIFICATE OF COURSE COMPLETION

CCNA 4 WAN TECHNOLOGIES

Devesh Chandra Lal

Date :　　　　　December 30, 2004

Instructor :　　　Reddy, Ramana

Location :　　　　Hyderabad

Academy Name : International Institute of Information Technology, Hyderabad

Instructor's Signature

During the CCNA 4 Course administered by the undersigned instructor, the student was able to proficiently:

• Describe the concepts and characteristics of Network Address Translation, and explain its configuration, use, and administration on a network

• Describe the concepts and characteristics of the Dynamic Host Configuration Protocol (DHCP), and explain its configuration, use, and administration on a network

• Describe, compare, and contrast the essential features of WAN technology

• Classify WAN link options and explain the differences between circuit switched and packet switched technologies

• Make recommendations about the provision of WAN services based on needs

• Design a simple WAN system using a hierarchical tiered approach to the design

• Describe the operation, configuration, and functionality of serial point—point links

• Configure and administer serial point—point links

• Describe the concepts, characteristics, and functionality of the Point to Point Protocol (PPP)

• Configure and administer PPP on a serial link

• Describe the concepts, characteristics, and functionality of ISDN

• Configure and administer a router ISDN interface

• Describe the concepts, characteristics, and functionality of on Demand Routing (DDR)

• Configure and administer DDR in a network

• Describe the concepts, characteristics, and functionality of Frame Relay

• Configure and administer permanent virtual circuit (PVC) Frame Relay WAN operations

• Describe, compare and contrast workstation and server operating systems and the associated hardware

• Describe the concepts of network management, and expla how network management tools are utilized on a modern network

• Describe the concepts and technologies associated with op data transmission

Cisco Systems, Inc.

Certificate of Completion

Cisco Certified Academy Instructor

Devesh Chandra Lal

Has successfully completed all requirements

necessary to be an Instructor of the

Cisco Certified Network Associate (CCNA)

Curriculum for the Cisco Networking Academy Program

John Chambers

President and CEO
Cisco Systems, Inc.

Certified on: February 25th, 2005

Certificate Number: 3214091CCNA

Academy Name: Information Technology Enabled Services

CISCO SYSTEMS

NETWORKING
ACADEMY

NATIONAL INSTITUTE OF CONSTRUCTION MANAGEMENT AND RESEARCH NICMAR
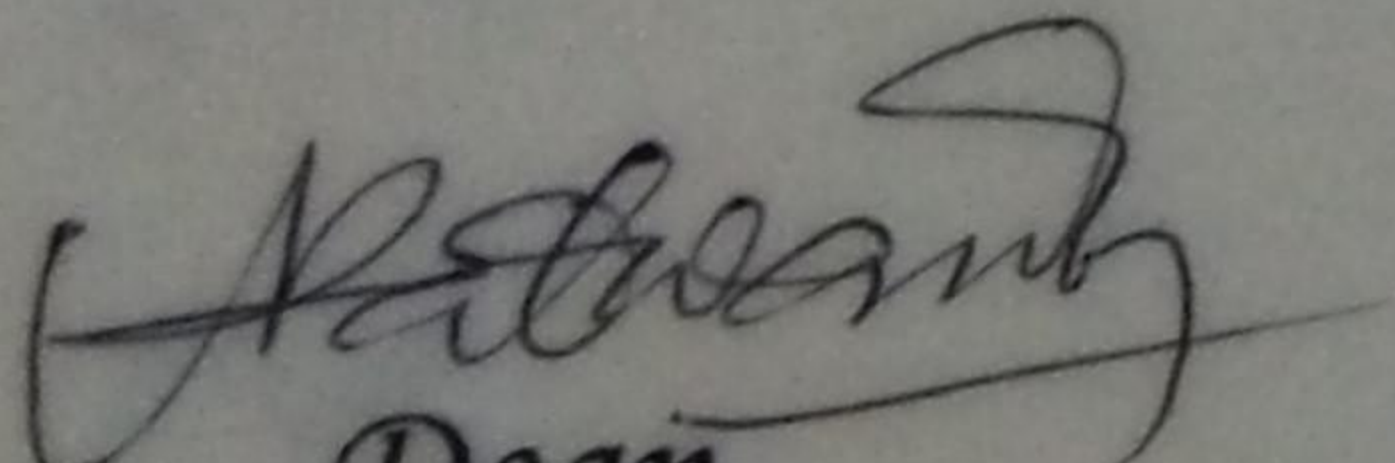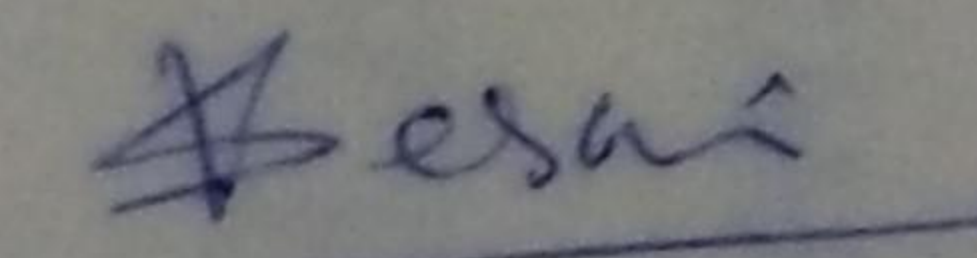
This certifies that

Mr. Devesh Chandra Lal

attended the Management Development Programme

COMPUTERISED PROJECT MANAGEMENT

held at Pune from April 12, 2005 to April 15, 2005

Dean

NICMAR
PUNE - 411 045

Programme Coordinator

Certificate of Course Completion

Fundamentals of
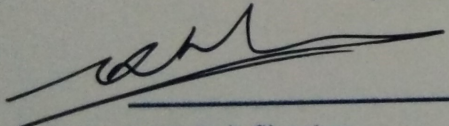## Network Security

Devesh Chandra Lal

Date : November 18, 2005

Instructor : Reddy, Ramana

Location : Hyderabad

Academy Name : International
Institute of
Information
Technology,
Hyderabad

_____

Instructor's Signature

During Fundamentals of Network Security, administered by the undersigned instructor, the student demonstrated the following proficiencies:

- Select appropriate security hardware, software, and configurations based on organizational requirements to protect a network against vulnerabilities and threats;

- Develop and manage a security policy protecting against current security attacks, threats, and vulnerabilities;

- Demonstrate advanced installation, configuration, monitoring, troubleshooting, and maintenance on IOS Firewalls and PIX Security Appliances;

- Describe and configure basic switch security;

- Demonstrate advanced access control list configuration and troubleshooting on IOS Firewalls and PIX Security Appliances;

- Install and configure CSACS for AAA service on IOS Firewalls and PIX Security Appliances;

- Configure static and dynamic network address translation on IOS Firewalls and PIX Security Appliances;

- Configure site-to-site VPNs on IOS Firewalls and PIX Security Appliances;

- Configure remote access VPNs between Cisco VPN Clients, IOS Firewalls and PIX Security Appliances;

- Configure intrusion detection and monitoring on the IOS Firewalls and PIX Security Appliances;

- Configure failover for PIX Security Appliances and advanced protocol handling;

- Install and configure PDM to manage PIX Security Appliances;

- Implement various cryptography measures to ensure privacy and confidentiality.

ℚcon CONSULTANTS

TOTAL QUALITY SOLUTIONS

● B-14, T.T.T.I. Campus, Shamla Hills, Bhopal - 2 ☎ : 0755-660939
● Email : asmitanu@sancharnet.in
● 58, Vasudeo Nagar, Indore 452 004 ☎ : 0731-470800

CERTIFICATE

This is to certify that

Mr. Devesh Chandra Lal

of

Centre for Research and Industrial Staff Performance, Bhopal

has successfully completed the Training Programme on

Certified Internal Quality Auditor

organized on 20th , 21st & 22nd December.' 2006

at
Hotel Surendra Villas, Bhopal.

A.S. KHAJANCHEE
Qualified Lead Auditor
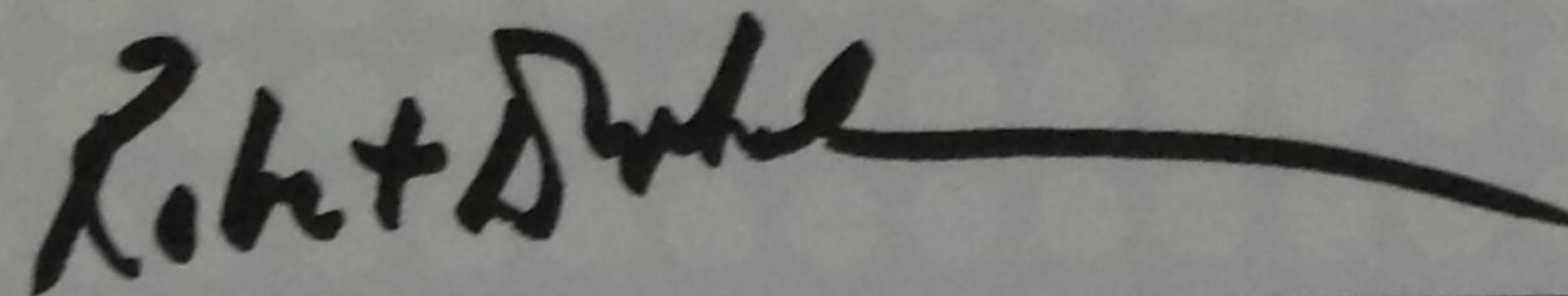Course No: A5190
Certified by IRCA

Pearson VUE Certified Test Administrator

this certifies that

Devesh Chandra Lal

has successfully completed the requirements to become a
Pearson VUE Certified Test Administrator on

10 Mar 2008

Robert D. Whelan, President and General Manager

PEARSON
VUE

CISCO

Dear Mr. Devesh Chandra Lal,

On behalf of Cisco and the Networking Academy program, I would like to thank you for your participation in the Cisco Networking Academy Instructor Advisory Group. Your contributions commitment, time and feedback have been instrumental in helping us improve the quality of the curricula and Cisco Networking Academy offerings.

Please accept this USB key as a small token of our appreciation. Thank you for helping us improve the quality and impact of the Networking Academy program in fostering access to education and professional opportunities to people around the world.

We look forward to your continued participation in 2010-2011 Instructor Advisory Group.

Sincerely,

Nathalie Barreneche
Product Manager
Cisco Networking Academy

CERTIFICATE OF PARTICIPATION

Cisco | Networking Academy®

Mind Wide Open™

This certifies that

DEVESH CHANDRA LAL

Has participated

in

**CISCO NETWORKING ACADEMY
TEACHING RESOURCE DESIGN COMPETITION**

1 March 2012

DATE

JOHN LIM

SENIOR MANAGER

CISCO NETWORKING ACADEMY

WORLDWIDE

201203-0037

Expert Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of expert level instructor excellence and outstanding contributions to
Cisco Networking Academy.

CISCO Networking Academy

Award date: 2012

Laura Quintana

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

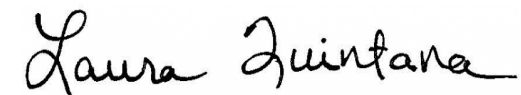# Instructor Years of Service

Networking Academy
CISCO

10 YEARS ★★★

This award is presented to

Devesh Chandra Lal

for **TEN YEARS** of active participation and dedicated service in Cisco Networking Academy.

Laura Quintana

Laura Quintana,

Vice President and General Manager

Cisco Networking Academy

Award date: 2013

Expert Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of expert level instructor excellence and outstanding contributions to
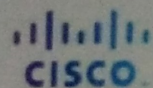Cisco Networking Academy.

CISCO Networking Academy

Award date: 2013

Laura Quintana

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

Certificate of Course Completion

CCNP ROUTE: Implementing IP Routing

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Explain complex network requirements and design models for implementing advanced routing services in an enterprise network

- Implement EIGRP and OSPF in an enterprise network

- Exchange routing information between interior gateway protocols

- Implement various mechanisms for controlling routing updates and traffic

- Implement BGP to allow an enterprise network to connect to an ISP

- Describe a basic implementation for branch office and mobile worker connectivity

- Implement IPv6 in an enterprise network

Devesh Chandra Lal
Student

Centre for Research & Industrial Staff Performance (CRISP)
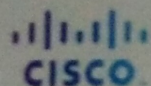Academy Name

India
Location

Ananth B Shankar Rao
Instructor

Nov 19, 2014
Date

Instructor Signature

Certificate of Course Completion

CCNP SWITCH: Implementing IP Switching

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Implement, monitor, and maintain switching in an enterprise campus network

- Implement appropriate spanning tree protocols in campus networks

- Implement VLANs in campus networks

- Configure and optimize high availability and redundancy on switches

- Describe and implement LAN security features

- Plan and prepare for advanced services in a campus infrastructure

Devesh Chandra Lal

Student

Centre for Research & Industrial Staff Performance (CRISP)
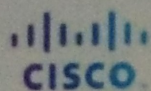
Academy Name

India

Location

Ananth B Shankar Rao

Instructor

Dec 22, 2014

Date

Instructor Signature

Certificate of Course Completion

CCNP TSHOOT: Maintaining and Troubleshooting IP Networks

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Monitor, maintain, and troubleshoot a complex network
- Plan and document the most common maintenance functions in complex enterprise networks
- Develop a troubleshooting process to identify and solve problems in complex enterprise networks
- Select tools that best support specific troubleshooting and maintenance processes in large, complex enterprise networks
- Practice maintenance procedures and fault resolution in switched and routed environments

- Troubleshoot IPv4 addressing services
- Troubleshoot IPv6 routing issues
- Troubleshoot network infrastructure services
- Troubleshoot network performance issues on switches and routers
- Troubleshoot network integration issues affecting wireless connectivity, VoIP, and video
- Practice maintenance procedures and fault resolution in a secure infrastructure

Devesh Chandra Lal
Student

Centre for Research & Industrial Staff Performance (CRISP)
Academy Name

India
Location

Ananth B Shankar Rao
Instructor

Dec 22, 2014
Date

Instructor Signature

Advanced Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of advanced level instructor excellence and overall contributions to
Cisco Networking Academy.

Networking Academy
CISCO

Award date: 2014

Laura Quintana

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

Expert Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of expert level instructor excellence and outstanding contributions to
Cisco Networking Academy.

CISCO Networking Academy

Award date: 2017

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

Instructor Years of Service

Networking Academy
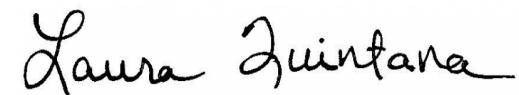CISCO

15 YEARS
★ ★ ★

This award is presented to

Devesh Chandra Lal

for **FIFTEEN YEARS** of active participation and dedicated service in Cisco Networking Academy.

Laura Quintana

Laura Quintana,

Vice President and General Manager

Cisco Networking Academy

Award date: 2018

Expert Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of expert level instructor excellence and outstanding contributions to
Cisco Networking Academy.

CISCO Networking Academy

Award date: 2018

Laura Quintana

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

Advanced Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of advanced level instructor excellence and overall contributions to
Cisco Networking Academy.

CISCO Networking Academy

Award date: 2019

Laura Quintana

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

Advanced Level Instructor

This award is presented to

Devesh Chandra Lal

in recognition of advanced level instructor excellence and overall contributions to
Cisco Networking Academy.

Networking Academy

Award date: 2020

Laura Quintana

Laura Quintana
Vice President and General Manager,
Cisco Networking Academy

manipal ProLearn

CERTIFICATE

OF PARTICIPATION

This certificate is presented to

DEVESH CHANDRA

for their phenomenal participation in

"Cloud Computing Foundation"

course

Issued on 11 Sep 2021

Bhaskaran Srinivasan
Program Director,
Manipal ProLearn

manipal PROlearn

CERTIFICATE

OF PARTICIPATION

This certificate is presented to

DEVESH CHANDRA

for their phenomenal participation in

"Manual Testing"

course

Issued on 11 Sep 2021

Bhaskaran Srinivasan
Program Director,
Manipal ProLearn

Google

COURSE CERTIFICATE

Sep 5, 2021

Devesh Lal

has successfully completed

Technical Support Fundamentals

an online non-credit course authorized by Google and offered through Coursera

Google

Google

Verify at coursera.org/verify/VPKZWSJ34LU2

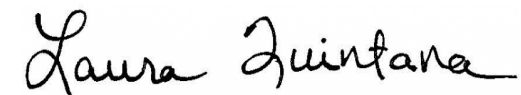Coursera has confirmed the identity of this individual and their participation in the course.

Instructor Years of Service

Networking Academy
CISCO

20 YEARS

This award is presented to

Devesh Chandra Lal

for **TWENTY YEARS** of active participation and dedicated service in Cisco Networking Academy.

Laura Quintana

Laura Quintana,

Vice President and General Manager

Cisco Networking Academy

Award date: 2023