



**Nelson Mandela  
Metropolitan  
University**

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Signature.....

Personal Number.....

Name in print.....

*This is to certify that, all the requirements  
having been met, the three-year*

*National Diploma:*  
*Information Technology*  
Support Services



*with all the associated rights and privileges, was awarded to*

**Siphosethu Thembani**

ID no.: 9304020490089

*at a congregation of the Nelson Mandela Metropolitan University on*

**08 APRIL 2017**

Certificate no.: 20176566

Vice-Chancellor

Registrar

*Proclaimed as Nelson Mandela University, in terms of Government Gazette Number 40090 of 23 June 2016*

*Folding on this certificate indicates its authenticity.*

17/0741



Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706

Direct: 408 526 4000  
FAX: 408 526 4100  
www.cisco.com

Jul 16, 2016

Dear SIPHOSETHU THEMBANI

Congratulations on completing the Cisco® CCNA Routing and Switching: Routing and Switching Essentials course as part of the Cisco Networking Academy® program. This hands-on, lab-oriented course has prepared you for exciting career opportunities in the technology industry.

By completing this course you have earned a Certificate of Completion for **CCNA Routing and Switching: Routing and Switching Essentials**, and acquired competencies that include the following:

- Understand and describe basic switching concepts and the operation of Cisco switches
- Understand and describe enhanced switching technologies
- Understand and describe dynamic routing protocols, distance vector routing protocols, and link-state routing protocols
- Configure and troubleshoot basic operations in a small switched and routed network
- Configure and troubleshoot VLANs and inter-VLAN routing
- Understand and describe the purpose and types of access control lists (ACLs)
- Configure, monitor, and troubleshoot ACLs for IPv4 and IPv6
- Understand and describe the operations and benefits of Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) for IPv4 and IPv6
- Understand, describe, configure and troubleshoot the operations of Network Address Translation (NAT)

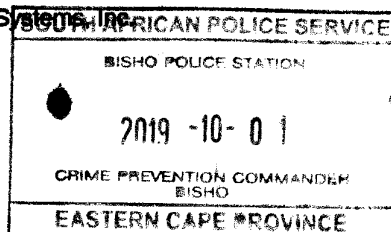
Technological literacy is more important today than ever before, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain computer networks.

Please accept my best wishes for your continued success.

Sincerely,

Chuck Robbins  
Chief Executive Officer  
Cisco Systems, Inc.

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San Jose, CA 95134-1706

Direct: 408 526 4000  
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Dec 13, 2017

Dear SIPHOSETHU THEMBANI

Congratulations on completing the Cisco® CCNA Routing and Switching: Scaling Networks course as part of the Cisco Networking Academy® program. This hands-on, lab-oriented course has prepared you for exciting career opportunities in the technology industry.

By completing this course you have earned a Certificate of Completion for **CCNA Routing and Switching: Scaling Networks**, and acquired competencies that include the following:

- Understand, configure, and troubleshoot enhanced switching technologies such as VLANs, Rapid Spanning Tree Protocol (RSTP), Per VLAN Spanning Tree Plus Protocol (PVST+), and EtherChannel
- Understand, configure, and troubleshoot first hop redundancy protocols (HSRP) in a switched network
- Understand, configure, and troubleshoot wireless routers and wireless clients
- Configure and troubleshoot routers in a complex routed IPv4 and IPv6 network using single-area OSPF, multiarea OSPF, and Enhanced Interior Gateway Routing Protocols (EIGRP)
- Manage Cisco IOS® Software licensing and configuration files

Technological literacy is more important today than ever before, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain computer networks.

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Sincerely,

Chuck Robbins  
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