



**Nelson Mandela  
Metropolitan  
University**

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

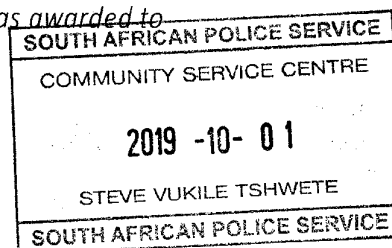
*National Diploma*

**INFORMATION TECHNOLOGY  
(Software Development)**

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

**Noluvuyo Joyce Xalisile**

(ID no.: 8708170754089)



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

**20-APRIL-2012**

**Certificate No.: 20121502**

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SIGNATURE *[Signature]*

FORCE NO. *0628905-9* RANK *W/O*

NAME IN PRINT *Wukile K. Khorweli*



*[Signature]*  
Vice-Chancellor

*[Signature]*  
Registrar



## Certificate of Course Completion

# CCNA Discovery: Networking for Home and Small Businesses

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

- Set up a personal computer system, including the operating system, interface cards and peripheral devices
- Plan and install a small business network and connect it to the Internet
- Verify and troubleshoot network and Internet connectivity
- Share resources such as files and printers among multiple computers
- Recognize and mitigate security threats to a home network
- Configure and certify common Internet applications
- Configure a basic router through a GUI

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SIGNATURE: *[Signature]*  
FORCE NO. 063245-9  
NAME: NOLUVUYO XALISILE

SOUTH AFRICAN POLICE SERVICE  
COMMUNITY SERVICE CENTRE  
2019 -10- 01  
STEVE VUKILE TSHWETE  
SOUTH AFRICAN POLICE SERVICE

Noluvuyo Xalisile

Student

NMMU North Campus LA

Academy Name

Port Elizabeth

Location

van de Haar, Helen

Instructor

August 4, 2009

Date

*[Signature]*

Instructor Signature

## Certificate of Course Completion

# IT Essentials: PC Hardware and Software

During the IT Essentials: PC Hardware and Software course, administered by the undersigned instructor, the student demonstrated the following competencies:

- Define Information Technology (IT) and describe the components of a personal computer.
- Protect themselves, equipment and the environment from accidents, damage, and contamination.
- Perform a step-by-step assembly of a desktop computer.
- Explain the purpose of preventive maintenance and identify the elements of the troubleshooting process.
- Install and navigate an operating system.
- Upgrade or replace components of a laptop, printer, or scanner based on customer needs.
- Configure computers to attach to an existing network
- Apply good communications skills and professional behavior while working with customers.
- Perform preventive maintenance and basic troubleshooting.

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SIGNATURE: *[Signature]* FORCE NO. *0633905-9* RANK: *2/10*  
NAME IN FULL: *PIVUKILE TSHWETE*

SOUTH AFRICAN POLICE SERVICE  
COMMUNITY SERVICE CENTRE  
2019 -10- 01  
STEVE VUKILE TSHWETE  
SOUTH AFRICAN POLICE SERVICE

**Noluvuyo Xalisile**

Student

**NMMU North Campus LA**

Academy Name

Location

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Instructor

**August 13, 2009**

Date

*[Signature]*  
Instructor Signature