



سوداكاند sudacad

كاديمية السودان للتكنولوجيا

## Certificate

This is to certify that :

**ABUBAKERELSIDEG FADLALLAH HAMDAN MOHAMMED**

Has successfully completed a training course on

**CCNA**

From 28/07/2015 to 26/08/2015

Course Contents:

- ❖ Networking Fundamentals
- ❖ LAN Switching
  - Ethernet LAN Switching Concepts
  - Operating Cisco LAN Switches
  - Ethernet Switch Configuration
  - Ethernet Switch Troubleshooting
  - Wireless LANs & Virtual LANs
  - Spanning Tree Protocol
  - Troubleshooting LAN Switching
- ❖ IP Routing
  - IP Addressing and Subnetting
  - Operating Cisco Routers
  - Routing Protocol Concepts and Configuration
  - Troubleshooting IP Routing
- ❖ Wide-Area Networks
  - WAN Concepts & Configuration
  - Point-to-Point WANs
  - Frame Relay Concepts, Configuration and Troubleshooting
  - Virtual Private Networks
- ❖ Scaling the IP Address Space
  - Network Address Translation
  - IPv6

  
**Training Manager**  
**Eng. Mustafa Agab Seido**

**Date of Issue**  
**06/09/2015**