

## Certificate of Course Completion

## CCNA Routing and Switching: Scaling Networks

The student has successfully achieved student level credential for completing CCNA Routing and Switching: Scaling Networks course administered by the undersigned instructor. The student was able to proficiently:

- Describe the operations and benefits of the Spanning Tree Protocol (STP).
- Configure and troubleshoot STP operations.
- Describe the operations and benefits of link aggregation and Cisco VLAN Trunk Protocol (VTP).
- Configure and troubleshoot VTP, STP, DTP, and RSTP.
- Configure and troubleshoot inter-VLAN routing
- Configure and troubleshoot EtherChannel and HSRP.
- Configure and troubleshoot basic operations of routers in a complex routed network for IPv4 and IPv6.
- Configure and troubleshoot advanced operations of routers and implement OSPF and EIGRP routing protocols for IPv4 and IPv6.

**Mert Gül**

Student

**İSMEK (İstanbul Büyükşehir Belediyesi Sanat ve Meslek Eğitimi Kursları)**

Academy Name

**Turkey**

Location

**Aug 28, 2018**

Date

**Ebubekir Kaya**

Instructor

Instructor Signature