

# MOHSIN ALI KHAN

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A good team player, having more than 11 years of experience in Network/System Administration and Management in Industry and educational sectors, wants to become an active member of the dynamic team of an organization with professional environment. Accept and enjoy challenges, contribute to organizational goals and further to improve my professional skills.

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## Proficiency

- Network (wired/wireless) planning, design & implementation.
- Fiber optic infrastructure planning and designing.
- Dialer configuration and management (VICI dialer & Trixbox)
- Distribution Layer Devices: Cisco Catalyst (3850X, 3750X, 3560X) series Switches.
- Access Layer Devices: Cisco Catalyst (3560G, 2960G, 2950G) series Switches
- Voice over IP (VOIP) configuration on Cisco Switches.
- Cisco Wireless Controller 5500 and 8500 Series.
- Cisco Access Points (1200, 2700, 3500, 3600 & 3700 series).
- Routing protocols such as EIGRP and OSPF etc.
- Switching protocols such as STP, VTP, VLAN, Private VLAN, PPP, PPTP, DMVPN etc.
- Network Monitoring System such as Whatsup GOLD, Solar wind. HP Network Node Manager System, & Cisco Prime Infrastructure Monitoring & back system for LAN & WLAN.
- Active directory, DNS Server, proxy server, file server, print server configuration and management.

## Experience:

### **Medical Teaching Institution, Mardan Medical Complex, Mardan**

Manager- Information Technology (May 2017 till date)

[www.mmckp.gov.pk](http://www.mmckp.gov.pk)

## Projects

- Planning and supervision of computerization of Accounts & Finance, Human Resource, Private Rooms Admissions.
- Planning, designing and supervision of complete computerization of Fair Price Pharmacy.
- Planning, designing and supervision of installation of CCTV cameras.
- Planning, designing and supervision of implementation of Biometric devices.
- Planning, designing and supervision of computerization of OPD Receipt and inventory management system for Children Hospital.
- Planning and designing of complete IT system for Nursing College at Bacha Khan Medical College.
- Planning and supervision of Mardan Medical Complex website.
- Planning, designing and identification of needs for Network Infrastructure and hardware for HMIS implementation.
- Analyzing the requirements for HMIS- Software according to need of Hospital in modules.

## JOB RESPONSIBILITIES

- Manage information technology and computer systems
- Plan, organize, control and evaluate IT and electronic data operations
- Maintain the hospital's information systems (HMIS) to provide maximum reliability and processing speed, while safeguarding data and providing access to data according to approved user profiles
- Maintain Internet and Intranet services 24 hours a day, 7 days a week, based on provider availability
- Manage IT staff by training and coaching, communicating job expectations, setting performance standards and appraising/evaluation their performance with comparison of standard defined.
- Develops and implements policies and procedures related to network, hardware and software acquisition, use, support, security, and backup.
- Ensure security of data, network access and backup systems
- Identify problematic areas and implement strategic solutions in time
- Maintains and upgrades network and application software as needed.
- Responds to the needs and questions of network users concerning their access to resources on the network and the operation of various software applications.
- Communicates with other departments to report and resolve hardware, software and operations problems.
- Liaison with Head of Departments to address their software needs related to IT department and ordered to ensure delivery of better health services
- Audit systems and assess their outcomes
- Preserve assets, information security and control structures
- Handle annual budget and ensure cost effectiveness

## **King Fahad University of Petroleum and Minerals (KSA)**

Network Engineer (December 2012 – April 2017)

[www.kfupm.edu.sa](http://www.kfupm.edu.sa)

## Projects

- Upgrade the Distribution Layer Network Switches for 44 academic/Admin buildings.
- Upgrade the Access layer Network Switches for 44 academic/Admin buildings.
- Upgrade the Wireless LAN from Autonomous to Light Weight Access Point (LWAP) for 44 academic/Admin buildings.
- Supervision of new Light Weight Access Point (LWAP) installation in 50 student dormitories.
- Supervision of upgradation the distribution switches in 50 student dormitories.
- Upgrade the Access layer Network switches in 20 student dormitories.
- Supervision of laying and terminations of Fiber (2\*288 cores) backbone in the ring road (5km) and terminations in 24 buildings with the two Data centers (Main & DR).
- IP Telephony deployment over network equipment for Voice over IP (VoIP).
- Designed and configured the network equipment for Biometric devices (Time Attendance Machines).
- Designed and configured the network equipment for Point of sale machines (POS).
- Designed, Installation and configuration and complete network setup for many new academic buildings.
- Provided the design and configured network equipment for CCTV Cameras.

## **JOB RESPONSIBILITIES**

- Provide the L2 and L3 support like; configuration, monitoring, and troubleshooting.
- Provide support to Telecommunication department in IP Telephony Project.
- Carrying out the survey for new LAN and Wireless installation.
- Installation and configuration of new wireless access points.
- Assist the staff and help-desk personals in resolving network and internet related issues.
- Upgrading network by consulting with vendors; developing, testing, evaluating, and installing enhancements.
- Provide support over the network for Time Attendance Machine Project.
- Provide support over the network for Point of Sale Machine Project.
- Enterprise and student dorms network monitoring using CISCO Prime, HP NNMI & Whatsup gold.
- Administering, maintaining and commissioning of wireless network and controllers.
- Conducting site surveys and collecting information related to network design, implementation and problem resolution efforts.
- Network equipment installation (wired and wireless) and configurations in new buildings.
- Provide network (LAN & Wireless), for events, seminars, and sessions.

## **Hamdard University**

Asst. Manager Systems & Network (January 2011 – October 2012)

[www.hamdard.edu.pk](http://www.hamdard.edu.pk)

## **PROJECTS**

- Design, install and configure the complete LAN and Wireless infrastructure for Hamdard Medical College.
- Design and implement the complete wireless coverage in Hamdard University Main Campus.
- Interconnecting of five different campuses and locations of Hamdard University to the Central site.
- Provide Remote Access VPN solution for the employees of Hamdard University to connect the Hamdard intranet (for accessing Digital Library) from remote location.

## **JOB RESPONSIBILITIES**

- Deploy new technology advancements.
- Initiate new projects and proposals.
- Design and Administration of Networks Management.
- Configured routing protocols on routers.
- Writing of technical proposals/reports/policies/procedures etc. for projects.
- Configuration and monitoring Cisco, HP and 3 Com Switches, Routers and other Network devices.
- Planning, deployment and administrate corporate network Infrastructures for the different Units.
- Responsible for layer 3 & 2 design and implementation, routinely performed planned maintenance on Cisco routers and 3com switches to upgrade features to ensure network interoperability and functionality.
- Managing and administering networked data platforms between two-building campus utilizing wireless point to point bridges.
- Developed and documented configuration guidelines for use by Network Operations staff.
- Plan, Schedule and coordinate all Network administration activities, including Design, installation, configuration and implementation of hardware and software.

## **HURCCON- A Project of Hamdard University**

Manager IT (March 2010 – December 2010)

[www.hurcccon.org](http://www.hurcccon.org)

### **PROJECTS**

- Design and implement Call Center (12 seats) complete LAN, WAN, Voice setup for Duct campaign.
- Design and implement Call Center (25 seats) complete setup for Bell Canada campaign.
- Provide dialer support for other call centers connected to HURCCON-BPO.

### **JOB RESPONSIBILITIES**

- Server System and Network Administration.
- VOIP Link Administration and monitoring
- Dialer installation, configuration, and operation.
- Calls Recording on dialer operations.
- Leads and DNCs scrubbing on dialer.
- Bandwidth Monitoring through PRTG & MRTG
- Management of Data Network and Servers for Calls
- Installs and Configure Server, Routers and Switches

## **GSESIT- Hamdard University**

Network/System Administrator (September 2008 – February 2010)

[www.hamdard.edu.pk](http://www.hamdard.edu.pk)

### **PROJECTS**

- Assist in designing and implementing the network infrastructure at LAW campus of Hamdard University.
- Upgrade the internet link from lease line of GSESIT campus to Fiber optic line.
- Design and implement the wireless infrastructure for GSESIT campus.

### **JOB RESPONSIBILITIES**

- Installation, configuration, and management of layer 3 and layer 2 network switches.
- Configuration & Management of WAN links on **Cisco®** Routers.
- Deployment, Configuration and Troubleshooting of **Microsoft® ISA** Server.
- Deployment, Configuration and Troubleshooting of **Microsoft® Active Directory** Infrastructure.
- Managing WIFI, and WIMAX devices
- Using of fiber Optic CIR bandwidth
- Install, analyses and coordinates network utilization by other departments
- Diagnose network problems and initiate repair  
Installing and configure the hardware and software.

## **GSESIT- Hamdard University**

Network Engineer (Aug, 2007 – Aug, 2008)

[www.hamdard.edu.pk](http://www.hamdard.edu.pk)

### **PROJECTS**

- Assist the Wateen telecom team in installing WiMAX devices in campus for wireless clients.
- Upgrade the Microsoft ISA 2000 to TMG Server.

### **JOB RESPONSIBILITIES**

- Assemble, install, configure, and test new and existing hardware and all components to be used on the LAN.
- Install, analyses and coordinates network utilization by Other departments
- Diagnose network problems and initiate repair
- Assist in installing and configure Hardware and Software.

## Education

**2009 | Master of Science in Information Technology (MS-IT)- 18 years**  
**GSESIT, Hamdard University, Karachi**  
**Major:** Communication & Networking.  
**CGPA:** 3.88 out of 4.00

**2006 | Master of Computer Science (MCS)- 16 years**  
**Agri. University (IBMS-Department), Peshawar**  
**Major:** Database & Programming  
**CGPA:** 3.17 out of 4.00

## Certifications and trainings:

- Cisco Certified Network Professional (CCNP- Route & Switch).
- Cisco Certified Network Associate (CCNA).
- Microsoft Certified IT Professional- System Administrator (MCITP)
- Microsoft Certified Technology Specialist (MCTS)
- Microsoft Certified Professional (MCP)
- Training on Implementing Cisco Unified Wireless Voice Network (IUWVN).
- Training on Implementing Cisco Unified Wireless Mobility Services (IUWMS).
- Training on Implementing Advanced Cisco Unified Wireless Security (IAUWS)
- Training on Cisco Infrastructure Expert Route & Switch(CIERS-I)
- Training on Cisco Infrastructure Expert Route & Switch (CIERS-II)
- Training on Supply Chain Management at LUMS- Lahore
  - Training on Procurement for KPPRA Rules.

## Academic Projects

- **“The computerization of super store System”**, developed for handling the daily inventories. i.e., Sale and Purchase. This application developed in Dot Net Technology. This project is final year project of Master of Computer Science (**MCS**).
- Research on Wireless Communication **“Exploitation of Domain Translation Using DFT Techniques to counter the ISI effects” (MS-IT)**

## PERSONAL PROFILE

Marital status:	Married
Date of birth:	19 <sup>th</sup> Apr, 1981
Nationality:	Pakistani

## REFERENCES

- **Mohammad Asif Sayani**- Manager Network Services, King Fahad University of Petroleum & Minerals (KFUPM), Saudi Arabia.  
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