

HIGHER EDUCATION COMMISSION
Higher Education Development in Pakistan (HEDP)

Job Description

Network Engineer

Job Title:	Network Engineer
Category:	Project Management
Duty Station:	Islamabad
Type of Contract:	Contractual Appointment
Duration of Assignment:	Till the completion of the project, based on satisfactory performance
No. of Position(s):	1

BACKGROUND:

Higher Education Commission (HEC) is embarking upon the Higher Education Development in Pakistan (HEDP) Project funded by the World Bank. The project aims, among other objectives, to strengthen governance in the higher education sector of Pakistan.

Given information technology's cross-cutting and transformative nature, HEDP has several activities that aim to leverage IT to improve Pakistan's teaching, learning, and research environment. One of the key components is to put in place a private cloud for HEIs to be utilized.

HEDP is looking for a detail-oriented professional, with a clear understanding of tools and technologies available in the field of Networking and in relation to the cloud. Physical and virtual environments, config, support and maintenance.

PROJECT DESCRIPTION:

The project supports the implementation of a subset of activities from the Higher Education Commission's (HEC's) Vision 2025, which is in line with the broader development framework for Pakistan as envisaged in the Government's Vision 2025. The project will be implemented over a five-year period of 2019/20 – 2023/24.

In essence the objectives of the project are to support research excellence in strategic sectors of the economy, improve teaching and learning, and strengthen governance, in the higher

education sector. More information on HEDP can be found here: <http://projects.worldbank.org/P161386?lang=en>.

CORE RESPONSIBILITIES:

A Network Engineer will be part of the Project Coordination Unit responsible for working with internal and external stakeholders to ensure technical delivery. Should have the experience to understand the network design, topologies, risk, and how to work around it. Should have the ability to analyze the system data, set up tests, and conclude the outcome. Should have an understanding of different cloud models, public and private cloud along with national and international providers

Job Responsibilities:

- Review the design and implementation plans while working with the internal and external stakeholders.
- Review and verify the deliverables as per design.
- The position will report directly to the Cloud Engineer.
- Setup the analytic and report around the performance and utilization.
- Work with NOC to setup points of monitoring and alerting for the system.
- Work in collaboration on the design and access points with HEC IT Division and solution providers.
- Develop technical specifications for the procurement of hardware and software.
- Analyze and prepare the services models.

Key Skills and Competencies:

- Hands-on experience in configuring, troubleshooting and recovering the network equipment.
- Familiarity with the equipment of major vendors.
- Comprehensive knowledge of using Application Programming Interfaces (APIs).
- Have the knowledge of networking, network management and secure connectivity across resources (or it may be across clouds).
- Skilled resource on the Development, Operations, and integration
- Good understanding of cyber-security in today's cloud-focused world.

- Excellent communication and organizational skills, and the ability to stay focused on completing tasks and meeting goals within a busy workspace.

MINIMUM QUALIFICATIONS:

Education:-

- At least sixteen years of education (a Master's degree would be a plus) specializing in ICT/Engineering/Computer Science/Information Management or equivalent.
- Certification related to network and cloud technologies would be a plus.

Work Experience

- 5+ years of practical relevant experience in a similar role.