

HIGHER EDUCATION COMMISSION
Higher Education Development in Pakistan (HEDP)

Job Description

Implementation Engineer (Blockchain & Identity Access Management)

Job Title:	Implementation Engineer (Blockchain & Identity Access Management (IAM))
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):	Four (4)

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 blockchain and identity access management system that will provide location transparency to the resource who are accessing the PERN educational network.

HEDP is looking for a detail-oriented professional, with a clear understanding of tools and technologies available in the field of Identity Access Management (IAM) & Blockchain.

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:

Blockchain & Identity Access Management Implementation Engineer will be part of the Project Coordination Unit responsible for working with internal and external stakeholders to ensure technical delivery.

Job Responsibilities:

- Ability to understand different Identity Access management solutions.
- Understand the design and implementation plans while working with the internal and external stakeholders.
- Assist in defining operating processes and people models to address day to day functions.
- Work with internal IT staff to implement governance and access management protocols and policies.
- Work with NOC to set up points of monitoring and alerting for the system
- Testing, troubleshooting, and application maintenance.
- Evaluating blockchain and IAM applications.
- Preparing docs and user manuals.

Key Skills and Competencies:

- Hands-on experience on any IAM platforms
- Good understanding of cloud public and private clouds.
- Familiarity with the market-based IAM and Blockchain service providers.
- Good understanding of Application Programming Interfaces (APIs) and/or middleware.
- At least a good understanding of blockchain however any hands-on experience would be added advantage
- Good understanding of security, Access management platforms
- 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 cloud, blockchain and/or IAM technologies would be a plus.

Work Experience

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