

**HIGHER EDUCATION COMMISSION**  
Higher Education Development in Pakistan (HEDP)

**Job Description**

**Data warehouse Engineer**

Job Title:	Data warehouse 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):	Three

**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 regarding Data warehousing and Business Intelligence.

**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:

The Data warehouse Engineer will be part of the Project Coordination Unit responsible for working with internal and external stakeholders to ensure technical delivery. Should have hands on experience in data warehousing, IT management systems in general, and understand networking.

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### Job Responsibilities:

- Assist in setting up the data warehouse solution.
- Work with data warehouse specialists to review and verify functional or technical documentation for data warehouses.
- Assist IT staff in verification and accuracy of data, its structure, accuracy, quality.
- Ensure the connectivity of all sources and setup their monitoring with NOC engineers.
- Work with the end user in defining and Implementing business rules.
- Assist in developing respective documentation to assist end users
- Review and ensure the supporting documentation in place for IT support staff
- Work with the internal and external stakeholders to manage the technical side of the project
- The position will report directly to the Project Manager Data warehouse.

### **Key Skills and Competencies:**

- Hands-on experience with Data warehouse solutions.
- Hands-on experience in databases, Application configuring, and troubleshooting.
- Familiarity with today's databases and data warehouse technologies.
- Good understanding of data modeling, data types and data security
- 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.
- Related Certification would be a plus.

#### Work Experience

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