**Name of the Project** – Wealth Management Transformation Cloud

**Objectives/Vision**

Vriyya Inc. is into Wealth Management of premium clients with a high number of HNIs (individuals having more than a Million Dollars in net worth) They provide consultancy cum assistance services to clients who want their wealth to be invested securely and with good returns. Vriyya currently caters to 1 Million HNI backed with a technology infrastructure settling around $10 Trillion in Fund Management. Besides HNI individuals, stakeholders of Vriyya also include more than 50K Wealth Managers / Advisors Vriyya now wants to migrate and take the advantage of the Cloud Infrastructure. In the first phase, Vriyya wants to transform its current Wealth Management IT infrastructure into a cloud. Assuming you as a Data Engineer, help Vriyya in its transformation.

**Functional Requirements**

1. Understand Data Engineering Discipline and can work on Azure Cloud services.
2. Design and develop a complete ETL process based on the analysis of input data from various sources using ETL tools like Spark etc.
3. Get exposure to data migration into the cloud.
4. Understand monitoring and security aspects and implementation.
5. Understand Hadoop big data, Hadoop fundamental, and Data warehouse fundamental.
6. Overview of a real-time ETL pipeline with Kafka.
7. Overview of PySpark, if there is a scope in the respective use case.
8. Get exposure to data visualization and a corresponding tool like Tableau.

**Non-Function Requirement:**

1. Analyze the problem domain
2. Analyze the input data formats and design for data clean-up
3. Address data migration from the current system to the cloud (Can Include selecting and applying an ETL Tool)
4. Identifying the optimal cloud services aligned to the business commercial goal
5. Define and document your proposed architecture
6. Create and present a Minimal Viable Release (MVP) to the stakeholders.

**Tools and Technologies to be used**

- Data Extraction, Data transformation, data loading, and migration tools,Hadoop,Pyspark,Sparksql

- Visualization tool: Tableau

- Cloud components