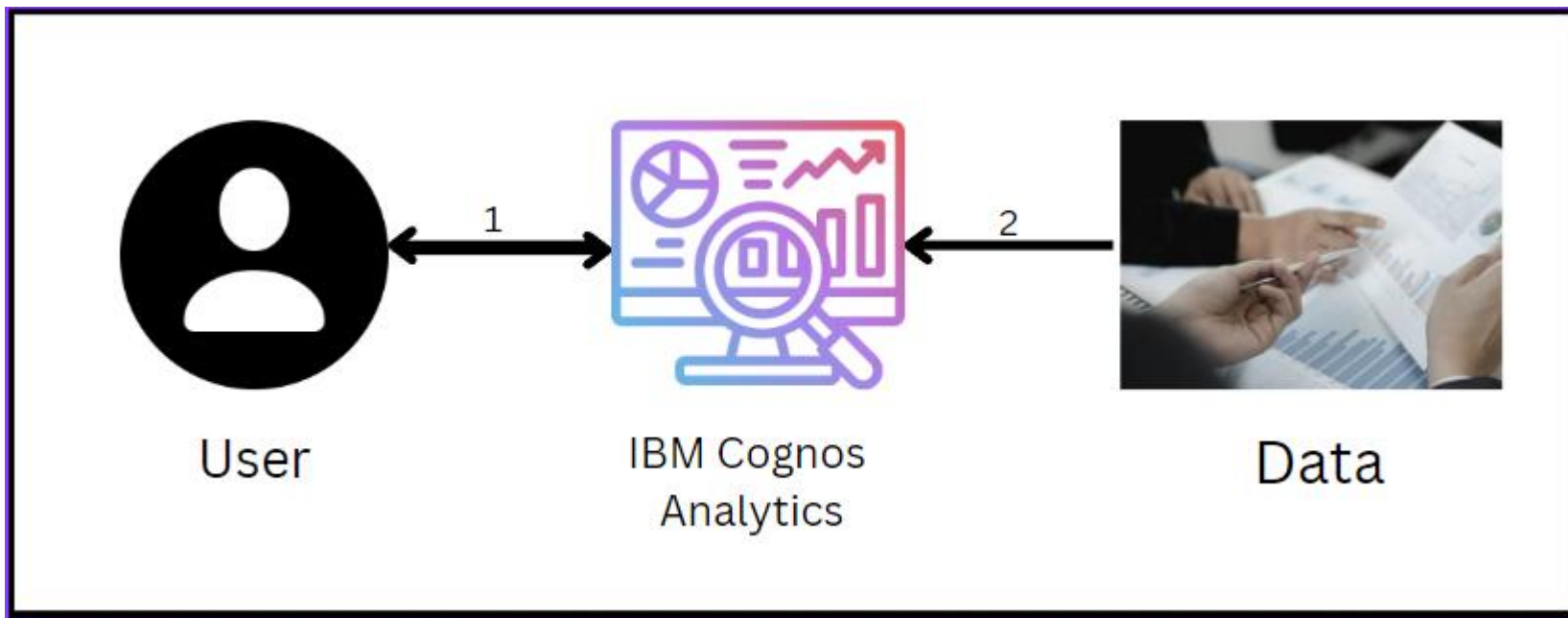


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

|               |                                       |
|---------------|---------------------------------------|
| Date          | 13-10-2022                            |
| Team ID       | PNT2022TMID21528                      |
| Project Name  | Project - GLOBAL SALES DATA ANALYTICS |
| Maximum Marks | 4 Marks                               |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



**Components & Technologies:**

| S.No | Component                       | Description   | Technology                       |
|------|---------------------------------|---|----------------------------------|
| 1    | User Interface                  | How the user feels comfortable with the interface (ie) UI/UX design.  | IBM Cognos Analytics with Watson |
| 2    | UPLOAD DATA                     | Logic for a process in the application  | IBM Cognos Analytics with Watson |
| 3    | PREPARE DATA                    | Logic for a process in the application  | IBM Cognos Analytics with Watson |
| 4    | EXPLORATION                     | Logic for a process in the application  | IBM Cognos Analytics with Watson |
| 5    | PRESENT DATA                    | Logic for a process in the application  | IBM Cognos Analytics with Watson |
| 6    | Cloud Database                  | Database Service on Cloud   | IBM DB2, IBM Cloudant            |
| 7    | File Storage                    | File storage requirements   | IBM CLOUD                        |
| 8    | Infrastructure (Server / Cloud) | Application Deployment on Local System / Cloud<br>Local Server Configuration:<br>Cloud Server Configuration : | IBM CLOUD.                       |

**Application Characteristics:**

| S.No | Characteristics          | Description  | Technology  |
|------|--------------------------|--|---|
| 1.   | Open-Source Frameworks   | Framework used in the application  | IBM COGNOS With Watson,IBM CLOUD                                    |
| 2.   | Security Implementations | All the security implemented using firewalls etc.  | LDAP OR Active Directory  |
| 3.   | Scalable Architecture    | Architecture of the application  | Three server tiers: Web Tier.                                       |
| 4.   | Availability             | Availability of the application in any platform without any user discrepancy and also check the availability 24/7. | WebSphere® Application Server, Cognos® Business Intelligence server |
| 5.   | Performance              | Check the efficiency and Performance of the application.   | 3IBM® Cognos® Performance Management Hub (PMHub)                    |

**Is the system robust?**

Yes, the software that is being developed for data analysis is robust

**Is it highly modifiable?**

Yes, the system is user friendly and ready for developers to make changes and enhance it

**Is it scalable?**

Yes, the system can be scaled up when there is a need and is flexible.

**Is it buildable?**

Yes, it is feasible to build at a low budge