**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID14860 |
| Project Name | Project – SMART FASHION RECOMMENDER |
| Maximum Marks | 4 Marks |

**Table-1 : Components & Technologies:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
|  | User Interface | How user interacts with application e.g.  Web UI, Mobile App, Chatbot etc. | HTML, CSS, JavaScript |
|  | Application Logic-1 | Logic for a process in the application | Python |
|  | Application Logic-2 | Logic for a process in the application | IBM Watson STT service |
|  | Application Logic-3 | Logic for a process in the application | IBM Watson Assistant |
|  | Database | Data Type, Configurations etc. | MySQL |
|  | Cloud Database | Database Service on Cloud | IBM DB2 |
|  | File Storage | File storage requirements | IBM Block Storage |
|  | Infrastructure (Server / Cloud) | Application Deployment on : Cloud  Cloud Server Configuratiion:db2/python | Kubernetes, |

**Table-2: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Open-Source Frameworks | FLASK | PYTHON |
|  | Security Implementations | ENCRYPTION AND SALTING. | ENCRYPTIONS |
|  | Scalable Architecture | DISTRIBUTIVE RESOURCE | MICROSERVICES |
|  | Availability | ANYTIME ACCESS | CLOUD |
|  | Performance | 1000 REQUESTS PER DAY | IBW WATSON |