Enterprise Application

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

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| Date | 15 October 2022 |
| Team ID | PNT2022TMID52205 |
| Project Name | Retail Store Stock Inventory Analysis |
| Maximum Marks | 4 Marks |

# Technical Architecture:

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

**Example:** Creating an E commerce website for ordering, delivering and knowing the products regions with its locations

Customer

Information Service

Transaction

Information Service

User

Transaction

Web Server

Data

Service Component

Contract

Management System

Online Transaction

Service

Database

Enterprise

Insurance Company

Customer

Bank

Enterprise

Service

Insurance

Company Service

Customer

Support Servicer

Bank

Business Service

# Table-1: Components & Technologies:

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Component** | **Description** | **Technology** |
| 1. | User Interface | How user interacts with application e.g. Web UI, Mobile App, etc. | HTML, CSS, JavaScript / Angular Js / React Js etc. |
| 2. | Customer Engagement | How the customer searching for his product with his/her unknown deliverables | Chatbots. |
| 3. | Standardization Of Product Prices | Creating sort list based on the rate, features, distance, colour | Smart Search. |
| 4. | Enabling M-Commerce. | By enabling M-commerce even the consumer can become as a prosumer’s | Recommendation systems |
| 5. | Utilize The Power of social media. | We should provide the suggestion by the user  search and their needs | Social media monitoring |
| 6. | Warehousing fulfilment and shipping | Ensuring the availability of product by their  warehouse detail and its shipping information is stored in cloud | Cloud computing |
| 7. | Reliable and Trusted Customer Support. | 24/7 customer support will provide a customer satisfaction on their product and resolvent in their  problems | Indicator analysis tools |

|  |  |  |  |
| --- | --- | --- | --- |
| 8. | Ensuring Security. | Creating a security wall for accessing the user,  with their own identity to be safe without any fraudulent | Encryption, Hash, Authentication, Firewall |

**Table-2: Application Characteristics:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Characteristics** | **Description** | **Technology** |
| 1. | One-Step Registration. | Providing a authentication step for verifying the user whether he/she or not? | Fingerprints |
| 2. | Super-fast checkout. | Clearing the orders as soon as possible will make  the customer satisfaction. | RFID scanner gates |
| 3. | Detailed Product Information. | Maki9ng a detailed information about the product  could clear the customer doubts and fulfil the expected information. | Artificial intelligence (AI) |
| 4. | Availability | Knowing the availability of product will show the availability of the product based on the customer location | Location-based marketing |
| 5. | Product Review | For Creating a customer standard will make suggestion data base for future use | Basic web tool |