**Project Design Phase**

**Solution Architecture**

|  |  |
| --- | --- |
| Date | 6 March 2025 |
| Team ID |  |
| Project Name | FitFlex |
| Maximum Marks | 4 Marks |

|  |  |
| --- | --- |
| **Team Leader : Leela M** [**www.leela978@gmail.com**](http://www.leela978@gmail.com)  **Team member 1: Swetha S** [**punithaswetha06@gmail.com**](mailto:punithaswetha06@gmail.com)  **Team member 2: Supraja M** [**Suprajamanohar2185@gmail.com**](mailto:Suprajamanohar2185@gmail.com)  **Team member 3: Sri Harini S** [**sriharinisasikumar@gmail.com**](mailto:sriharinisasikumar@gmail.com)  **Team member 4: Varunashriya P** [**varunashriya24122004@gmail.com**](mailto:varunashriya24122004@gmail.com) |  |

**Solution Architecture:**

The solution architecture for the Fitness Web Application ensures a scalable, efficient, and user-friendly platform for discovering and accessing exercise routines based on body parts and equipment.

**Goals of the Solution Architecture:**

* Identify the Best Tech Solution: Utilize modern front-end frameworks and APIs to provide a seamless fitness discovery experience.
* Define Structure & Characteristics: Ensure modular, scalable, and maintainable software architecture for future enhancements.
* Outline Features & Development Phases: Clearly structure project milestones for effective development and deployment.
* Establish Specifications for Development & Delivery: Provide well-defined guidelines for the system's architecture, API integration, and data flow.

