**Project Design Phase**

**Proposed Solution**

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| Date | 15 February 2025 |
| Team ID | SWTID1743353335 |
| Project Name | Book a doctor using MERN |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
| 1 | Problem Statement (Problem to be solved) | Lack of a centralized, efficient, and user-friendly platform for patients to book doctor appointments and for doctors to manage their availability and schedule. |
| 2 | Idea / Solution description | A MERN stack-based doctor appointment booking system with role-based dashboards for patients, doctors, and admins. Features include appointment booking, availability management, secure login, and payment integration. |
| 3 | Novelty / Uniqueness | Custom-built platform tailored to specific hospital/clinic needs. Role-based access and flexibility with Gmail login, integrated payments, and admin control. |
| 4 | Social Impact / Customer Satisfaction | Reduces waiting times, increases accessibility to healthcare, especially in rural areas. Enhances user convenience and healthcare system efficiency. |
| 5 | Business Model (Revenue Model) | Freemium model: Basic features for free. Premium subscription for clinics/doctors. Possible ad integration or commission per appointment booked. |
| 6 | Scalability of the Solution | Highly scalable using cloud-based infrastructure. Can be expanded to include teleconsultation, pharmacy integration, and multi-language support. |