**Project Design Phase**

**Proposed Solution**

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| **Date** | **23 June 2025** |
| **Team ID** | **LTVIP2025TMID20425** |
| **Project Name** | **LearnHub: Your Center for Skill Enhancement** |
| **Mentor Name** | **Dr Shaik Salma Begam** |
| **Maximum Marks** | **2 Marks** |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | **Problem Statement (Problem to be solved)** | Many learners struggle to find quality courses, track their learning progress, and gain certifications in a structured way. Instructors lack tools to manage content efficiently, and admins face challenges maintaining platform integrity. |
| 2. | **Idea / Solution Description** | LearnHub is a comprehensive, user-centric e-learning platform built with the MERN stack. It supports smooth course browsing, secure registration/login, easy enrollment, progress tracking, certification, and complete admin/instructor control. |
| 3. | **Novelty / Uniqueness** | LearnHub offers dynamic progress tracking, certificate generation, responsive UI for all devices, and role-based access (student, instructor, admin). Future AI-based personalization and recommendation systems add innovative value. |
| 4. | **Social Impact / Customer Satisfaction** | LearnHub empowers students with skill-based learning and easy access to quality content. It supports instructors with tools for teaching and boosts institutional credibility with verified learning paths and certifications. |
| 5. | **Business Model (Revenue Model)** | LearnHub can earn revenue through subscription models for learners, course publishing fees for instructors, featured course placements, and partnerships with educational institutions. |
| 6. | **Scalability of the Solution** | The platform is scalable through modular backend design, cloud-hosted databases, and efficient APIs, allowing it to handle increased user load, more courses, and concurrent sessions with minimal performance loss. |