**🗓️ Planning Phase**

**Date:** 24 June 2025  
**Team ID:** *LTVIP2025TMID52072*  
**Project Name:** LearnHub – Online Learning Platform  
**Maximum Marks:** 2 Marks

**🔍 Objective of the Planning Phase:**

The Planning Phase establishes the foundation for successful project execution. This includes identifying the major features, breaking them down into manageable tasks, allocating them across sprints, and setting clear timelines for delivery.

**🧩 Milestone Planning:**

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| **Phase** | **Description** | **Duration** | **Responsible** |
| Requirement Gathering | Identify functional and non-functional requirements | 2 Days | Team Lead |
| System Design | Decide architecture, database schema, and design wireframes | 3 Days | Full Stack Dev |
| Backend Setup | Node.js server, MongoDB schema, auth, and API routes | 5 Days | Backend Dev |
| Frontend Setup | React app structure, routing, protected routes | 4 Days | Frontend Dev |
| Course Management Module | Create + Add section + Assign + Browse + Delete | 4 Days | Full Stack Dev |
| Student Flow | Enroll + My Courses + Course Player + Certificate | 3 Days | Frontend Dev |
| Admin Features | View users, delete course, manage platform | 2 Days | Backend Dev |
| Testing & QA | Test core features, fix bugs, and validate UI/UX | 3 Days | QA Tester |
| Deployment & Docs | Prepare documentation, deployment on cloud / local | 2 Days | DevOps / All Team |

**📊 High-Level Gantt Chart View (Tentative):**

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Week 1: |█████ Req & Design █████|

Week 2: |█████ Backend & DB █████|

Week 3: |████ Frontend & Logic ████|

Week 4: |██ Final Features + QA ██| Deployment

**✅ Deliverables in Planning Phase:**

* Project Goals and Scope
* User Roles and Responsibilities
* Feature Breakdown and Priority
* Resource and Time Allocation
* Project Timeline and Gantt chart
* Sprint-wise Story Point Estimation

**🔁 Tools and Practices Used:**

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| **Practice** | **Tools/Methods** |
| Project Planning | Notion, Excel Sheets |
| Sprint Management | Manual Backlog Table |
| Version Control | Git & GitHub |
| Deployment (optional) | Render / Vercel / Railway |
| Documentation | MS Word / Google Docs |