#### **Software Development Life Cycle (SDLC) for LearnSphere – An Online Learning Platform**

#### **Design (Creating a Blueprint of the Project)**

The design phase focuses on creating a visual and technical blueprint for LearnSphere.

* **Wireframe and UI Design**:
* Home Page – Displays featured courses, search bar, and user login/signup.
* Course Listing Page – Shows available courses with filters (category, difficulty).
* Course Detail Page – Includes course overview, syllabus, and enrollment button.
* User Dashboard – Shows enrolled courses, progress tracking, and certificates.
* Admin Panel – Manages courses, students, and instructors.
* **Technical Structure**:
  + Folder structure: Fee main project folder for code,icons and images.
  + No database required.
* **Technology Stack**:
  + **Frontend**: HTML for structure, CSS for styling, JavaScript for interactivity.
  + **Tools**: Git and GitHub for version control and collaboration.
* **Tracking**: Progress is monitored using GitHub Projects, with tasks assigned to team members.

This blueprint guides the development team in building a cohesive and visually appealing website.