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

#### **Planning (Understanding the Goal)**

The planning phase establishes the foundation for LearnSphere by defining its purpose, scope, and timeline.

* **Purpose**: LearnSphere is an online learning platform designed to provide high-quality educational content to students. The platform aims to offer interactive courses, quizzes, and progress tracking, ensuring an engaging learning experience.
* **Problem to Solve**: Lack of centralized learning resources for students and

Need for an interactive and engaging learning experience.

* **Target Audience**: Students and professionals.
* **Team Responsibilities**:
  + Project Manager Oversees the project timeline and milestones.
* Front-end Developers Design and develop the user interface.
  + Tester ensures functionality and responsiveness.
* **Project Roadmap**:
  + **Week 1:** Requirement gathering and analysis.
  + **Week 2-3:** Wireframing and database design.
  + **Week 4-6:** Implementation of front-end and back-end.
  + This phase ensures all team members understand the project’s objectives and timeline, setting the stage for a successful development process.