**Software Development Life Cycle (SDLC) for Blog Page Website**

**2. Requirement Analysis (Defining What is Needed)**

This phase focuses on identifying the essential features and constraints of the blog application based on user needs and technical feasibility, ensuring the blog web-application is well-defined and meets both user needs and technical standards.

**Functional Requirements:**

* User authentication (sign-up, login, logout) with MySQL storage.
* Profile section displaying the user's name and their blog posts.
* Ability to create, edit, and delete blog posts.
* Commenting system where users can engage with blog posts (excluding their own).
* Responsive design for desktop and mobile usability.

**Non-Functional Requirements:**

* Secure password storage using hashing techniques.
* Fast-loading, optimized pages for smooth user experience.
* Intuitive UI/UX for seamless navigation.
* Scalable architecture to handle multiple users simultaneously.

**Documentation:**

All requirements are documented in a shared GitHub repository or Google Docs for team collaboration and reference.

**Guidance:**

Team members ensure the requirements align with project goals, remain achievable, and meet user expectations.