

1 Project Implementation Plan

The proposed system, *MindSpace: Anonymous Mental Health and Mood-Sharing Community*, will be developed over a period of twelve weeks following an Incremental Software Development methodology. The implementation strategy divides the project into a sequence of manageable development phases. Each phase focuses on a specific software component while maintaining continuous integration and testing. This approach ensures systematic progress, minimizes development risks, and enables the timely completion of project objectives.

1.1 Development Schedule

Table 1: Twelve-Week Project Development Schedule

Week	Development Phase	Major Activities
1	Project Planning	Define project objectives, conduct literature review, identify system requirements, and prepare the project proposal.
2	System Analysis	Develop the Software Requirement Specification (SRS), design the system architecture, prepare use case diagrams, and identify system modules.
3	Database and UI Design	Design the Entity Relationship (ER) diagram, database schema, user interface wireframes, and navigation structure.
4	Authentication Module	Implement user registration, login, logout, password encryption, session management, and profile creation.
5	Mood Sharing Module	Develop anonymous mood posting, CRUD operations, mood categorization, image upload, and feed generation.
6	Community Features	Implement comments, supportive reactions, notifications, and search and filtering functionality.
7	Dashboard Development	Develop user dashboard, profile management, and personalized mood history.
8	Analytics Module	Implement mood calendar, statistical visualization, and dashboard charts using Chart.js.
9	Administration Module	Develop the administrator dashboard, user management, report handling, and content moderation.
10	Artificial Intelligence Integration	Train and integrate the sentiment analysis model using TensorFlow and connect predictions with the web application.
11	Testing and Optimization	Perform unit testing, integration testing, bug fixing, security improvements, and performance optimization.
12	Documentation and Deployment	Prepare technical documentation, user manual, final report, project presentation, and deploy the completed system.

1.2 Project Timeline

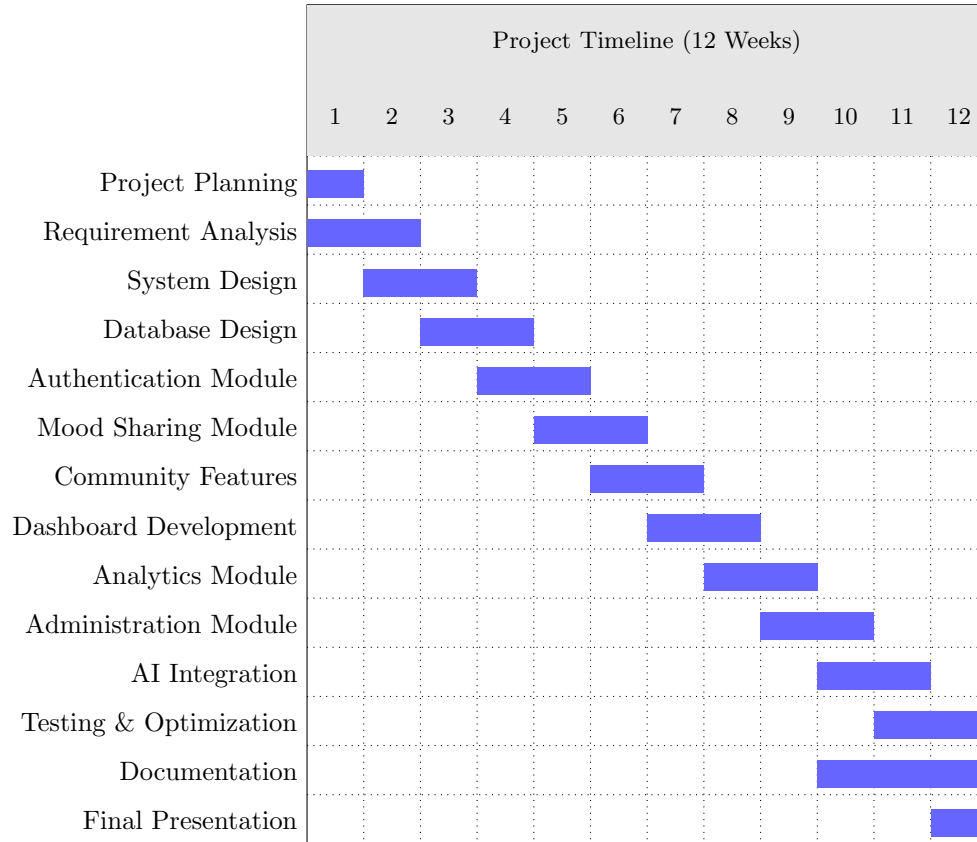


Figure 1: Gantt Chart of the Proposed Twelve-Week Development Schedule

1.3 Project Milestones

Table 2: Project Milestones

Milestone	Expected Completion
Project Planning Completed	Week 1
Requirement Analysis Completed	Week 2
System Design Completed	Week 3
Core Development Completed	Week 7
Analytics and Administration Completed	Week 10
AI Integration Completed	Week 11
Testing and Documentation Completed	Week 12
Final Project Submission	End of Week 12

1.4 Expected Outcome

Upon completion of the proposed twelve-week implementation schedule, the project will deliver a secure and fully functional anonymous mood-sharing platform with user authentication, community interaction features, mood analytics, administrative tools, and AI-assisted sentiment classification. The phased development strategy supports continuous validation and ensures that each software component is systematically integrated, tested, and documented before the final project submission. ““