

MindSpark - Student Attendance System (Mobile App)

Project Type: Individual Project

Project Duration: 6 Weeks

Scope: Advanced (Automation, Analytics, Notifications)

Work Breakdown Structure (WBS)

1.0 Project Planning

- 1.1 Requirement Gathering
- 1.2 Feasibility Study
- 1.3 Project Scheduling
- 1.4 Resource Allocation

2.0 System Design

- 2.1 UI/UX Design
- 2.2 Database Design
- 2.3 System Architecture

3.0 Development

- 3.1 Frontend (Flutter UI) Development
- 3.2 Backend (Firebase / API Integration)
- 3.3 Attendance Automation Module
- 3.4 Analytics and Reports Module
- 3.5 Notifications Module

4.0 Testing

- 4.1 Unit Testing
- 4.2 Integration Testing
- 4.3 User Acceptance Testing

5.0 Deployment

- 5.1 App Packaging
- 5.2 Play Store Submission
- 5.3 Post-deployment Review

6.0 Maintenance

- 6.1 Bug Fixing
- 6.2 Feature Updates
- 6.3 System Monitoring

Gantt Chart (6 Weeks Timeline)

Task / Phase	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Project Planning	■					
System Design		■				
Development			■	■		
Testing					■	
Deployment						■
Maintenance						■