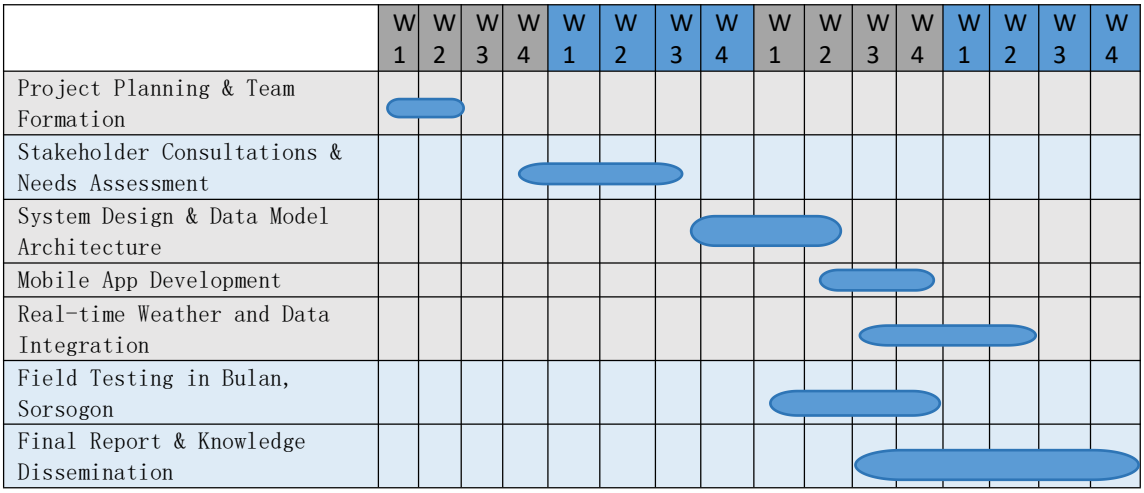
Gantt Chart



Week 1 Project Planning & Team Formation

Define project scope, goals, timelines

Assign roles (researchers, developers, field staff)

Set up project management tools (e.g., Trello, Notion

Week 2 Stakeholder Consultations Begin

Conduct initial meetings with farmers, LGUs, and DA

Collect initial insights on typhoon impacts & data gaps

Draft user requirements

Week 3 Needs Assessment Continues

Finalize survey tools and assessment protocols

Gather baseline data on agricultural areas & risks

Create user personas for the mobile platform

System Design & Data Model Architecture Begins Design for Mobile App Begins

Define data structures for typhoon loss reporting

Create wireframes and user flows

Week 4 Continue System Design

Begin prototyping interface

Design dashboards for real-time weather/agriculture data

Map integration with PAGASA and DA systems

Week 8 Continue Backend + App Development Start Real-Time Data Integration

Integrate PAGASA weather feeds or satellite APIs

Add push notification system for typhoon alerts

Week 9 Mobile App: Map & Data Visualizations

Add GIS components (e.g., affected barangays, crop areas)

Create sample data for testing

Continue improving real-time data pipelines

Week 10 Finalize Core App Features
Real-time Data System Testing

Ensure accurate time-stamped geo-reports

Simulate typhoon impact submissions

Test auto-generated analytics

We are developing a mobile-based platform titled **"Real-time Assessment of Typhoon-Induced Agricultural Losses: A Mobile Platform for Bulan, Sorsogon."** This project aims to provide a real-time reporting and assessment system for agricultural damages caused by typhoons, specifically tailored for the municipality of Bulan, Sorsogon.Our goal is to support faster and more accurate disaster response by enabling local farmers and government units to collect and submit field data through an easy-to-use mobile application. The project involves stakeholder consultations, system and mobile app development, real-time weather and satellite data integration, and on-site field testing. Through this initiative, we hope to improve data accuracy, enhance local resilience, and contribute to more efficient post-disaster planning and recovery.