# Project Plan for Research Publishing Web Application

## Introduction

This document outlines the project plan for developing a web application that allows users to publish their research. The plan includes the phases, activities, and estimated timelines required to successfully design, develop, and deploy the application.

## Phases and Timeline

### 1. Planning and Requirement Analysis (2–3 Weeks)

- Define the scope, features, and user roles (researchers, reviewers, editors, readers).  
- Create wireframes, mockups, and user flow diagrams.  
- Finalize the tech stack and tools for development.

### 2. Design (2–3 Weeks)

- Develop UI/UX designs for all screens (submission, review, profiles, search, admin dashboard, etc.).  
- Iterate on feedback to ensure the designs are user-friendly and accessible.

### 3. Backend Development (6–8 Weeks)

- Set up database schema for users, submissions, reviews, and other entities.  
- Develop APIs for user authentication, submissions, search, and notifications.  
- Implement workflows for document upload, review, and approval processes.  
- Integrate third-party tools (e.g., plagiarism checkers, file storage services).

### 4. Frontend Development (6–8 Weeks)

- Build user-facing pages (home, profile, submission, search, etc.).  
- Develop interactive features (e.g., file upload, document preview, notifications).  
- Connect the frontend with backend APIs.

### 5. Peer Review and Collaboration Features (3–4 Weeks)

- Implement the peer review system (assignment, feedback, and blind reviews).  
- Enable co-author collaboration and version control for submissions.

### 6. Testing and Quality Assurance (3–4 Weeks)

- Conduct unit, integration, and end-to-end testing.  
- Ensure compatibility across devices and browsers.  
- Address any bugs or performance issues.

### 7. Deployment (1–2 Weeks)

- Set up cloud hosting, domain configuration, and SSL certificates.  
- Deploy the application to a staging environment for final review.  
- Launch the application to the production environment.

### 8. Post-Launch Support and Maintenance (Ongoing)

- Monitor app performance and user feedback.  
- Regularly fix bugs, update features, and scale infrastructure as needed.

## Total Timeline

The estimated total timeline for the project is 4–6 months, depending on the complexity and resources available. For a team of 2–5 developers, the timeline may be closer to 4 months, while a solo developer might take 5–6 months.