Project Proposal: Academic Journal Publishing System

1. Project Overview

The Academic Journal Publishing System is a web-based platform designed to streamline the end-to-end process of publishing scholarly journals. This system aims to cater to multiple user roles-Authors, Editors, Admins, and Visitors-to facilitate article submission, peer review, journal management, and publication in a structured, scalable, and user-friendly environment.

2. Objectives

- To provide a centralized online platform for academic publishing.
- To ensure transparent and efficient handling of article submissions and peer reviews.
- To simplify journal and issue management for publishers.
- To offer communication channels between authors, editors, and administrators.
- To maintain version control and tracking of submitted manuscripts.

3. Key Features

A. Publisher Website

- Display dummy publishing company details (for demo purposes).
- Showcase detailed information about each journal (scope, editorial board, submission guidelines, etc.).
- List journals with their respective issues and published articles.
- Support public user registration and login functionality.

B. User Features (Authors/Researchers)

- User Profile Management

  Update and manage personal and academic credentials.
- Manuscript Submission

  Submit new articles or revised versions with support for metadata and file uploads.
- Article Processing Charges (APC)

Integration with payment gateways for APC collection (if applicable).

- Track Article Processing Status

Real-time tracking of submission stages: Submitted -> Under Review -> Revision -> Accepted/Rejected -> Published.

- Manuscript Search

Ability to search submitted manuscripts and check their status.

- Version Control

Maintain and track changes across multiple versions of the same manuscript.

- Communication with Editors

Messaging interface for direct correspondence with handling editors.

C. Editor Features

- Review Submissions

Access and assess manuscripts assigned by the admin.

- Provide Feedback

Comment and suggest revisions for authors.

- Manage Submissions

Accept, reject, or forward articles for further review.

- Post-Publication Management

Handle corrections, retractions, and post-publication updates.

D. Admin Panel Features

- User Management

View user list, create/suspend/delete accounts, assign roles (author, editor, reviewer), monitor user activities, and send notifications.

- Editor Management

Add or remove editors, manage permissions, assign manuscripts, and send updates or reminders.

- Submission Management

Monitor the lifecycle of article submissions, perform initial screenings, and decide on approval for review or

direct rejection.

- Journal and Issue Management

Create new journals, manage journal information, create issues, assign accepted articles to issues, and schedule publication.

4. Technologies to Be Used

- Frontend: HTML5, CSS3, JavaScript (React or Vue.js)
- Backend: Node.js / Django / Laravel
- Database: MySQL / PostgreSQL
- Authentication: JWT / OAuth 2.0
- File Storage: Local or Cloud (e.g., AWS S3)
- Payment Gateway (for APC): Stripe / PayPal
- Deployment: Docker, AWS / Azure / DigitalOcean

5. Timeline (Tentative)

Phase	Duration
Requirement Gathering	1 Week
UI/UX Design	2 Weeks
Core Development	5 Weeks
Testing & Bug Fixing	2 Weeks
Deployment & Launch	1 Week
Total Project Duration	11 Weeks

6. Expected Outcomes

- A fully functional, role-based academic journal platform.
- Streamlined process for submission, review, and publication.
- Transparent article tracking for authors and editors.
- Centralized admin dashboard for system oversight.

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7. Future Enhancements (Optional)

- Integration of plagiarism detection tools (e.g., Turnitin or iThenticate APIs).
- DOI generation and CrossRef integration.
- ORCID integration for author identity verification.
- Multi-language support.
- Mobile app version for author/editor convenience.