# AIcademia

#### Academic Paper Management System

"Revolutionizing Academic Publishing Through AI"

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#### Software Engineering Final Project

# **OVERVIEW**

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## INTRODUCTION

Our system (Alcademia) automates and streamlines the workflow of research paper submission, review, and status tracking within academic institutions.

- Replaces manual, paper-based processes
- Centralizes, web-based platform
- Enhances efficiency, transparency, and collaboration

## PROBLEM STATEMENT

- Paper or email-based submissions
- Manual document storage and organization
- Offline review coordination
- Delays and errors in status updates

#### Impact:

Inefficiencies, lack of real-time tracking, and increased administrative overhead.

#### **OBJECTIVES**

- Develop a user-friendly, web-based system
- Automate metadata extraction and handling
- Provide role-based access for users
- Automate review assignments and feedback
- Offer real-time dashboards and reports
- Implement notification mechanisms

# Project Scope

- Initial Features
  - Researcher registration and login
  - Paper submission (PDF/DOCX)
  - Metadata extraction and correction
  - Admin dashboard for monitoring
  - Reviewer assignment and feedback
  - Status tracking
  - Report export

#### Future Enhancements

- Plagiarism detection integration
- Enhanced analytics
- Broader notification channels

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## SIGNIFICANCE

#### **Key Benefits:**

- Reduces administrative burden
- Increases processing speed and accuracy
- Enhances transparency for researchers
- Strengthens security and auditability
- Provides data-driven insights

# Digitized Workflow

## **USER PROFILES**

- Researchers: Submit and manage papers
- Admins: Workflow management
- Students: Discover and organize papers

## FEATURES & BENEFITS

- **Efficient Workflow:** Streamlined submission and review
- Role-Based Access: Secure access for researchers, reviewers, admins
- Real-Time Monitoring: Live dashboards for system activity
- Automated Notifications: Instant updates on submission status
- Audit Logs: Track security events
- Report Generation: Exportable analytics
- **Digital Storage:** Minimizes physical storage needs

# PROCESS MODEL & SCHEDULE

Incremental Development Model

Modules delivered in phases

• Phases:

Feedback

Identification → Design →
Implementation → Testing →

# SYSTEM ARCHITECTURE (3-TIER)

- **Presentation:** React.js + Bootstrap
- Application: Flask/Django (Python)
- Data Layer: PostgreSQL/MongoDB + Al modules

# Hardware & Software Requirements

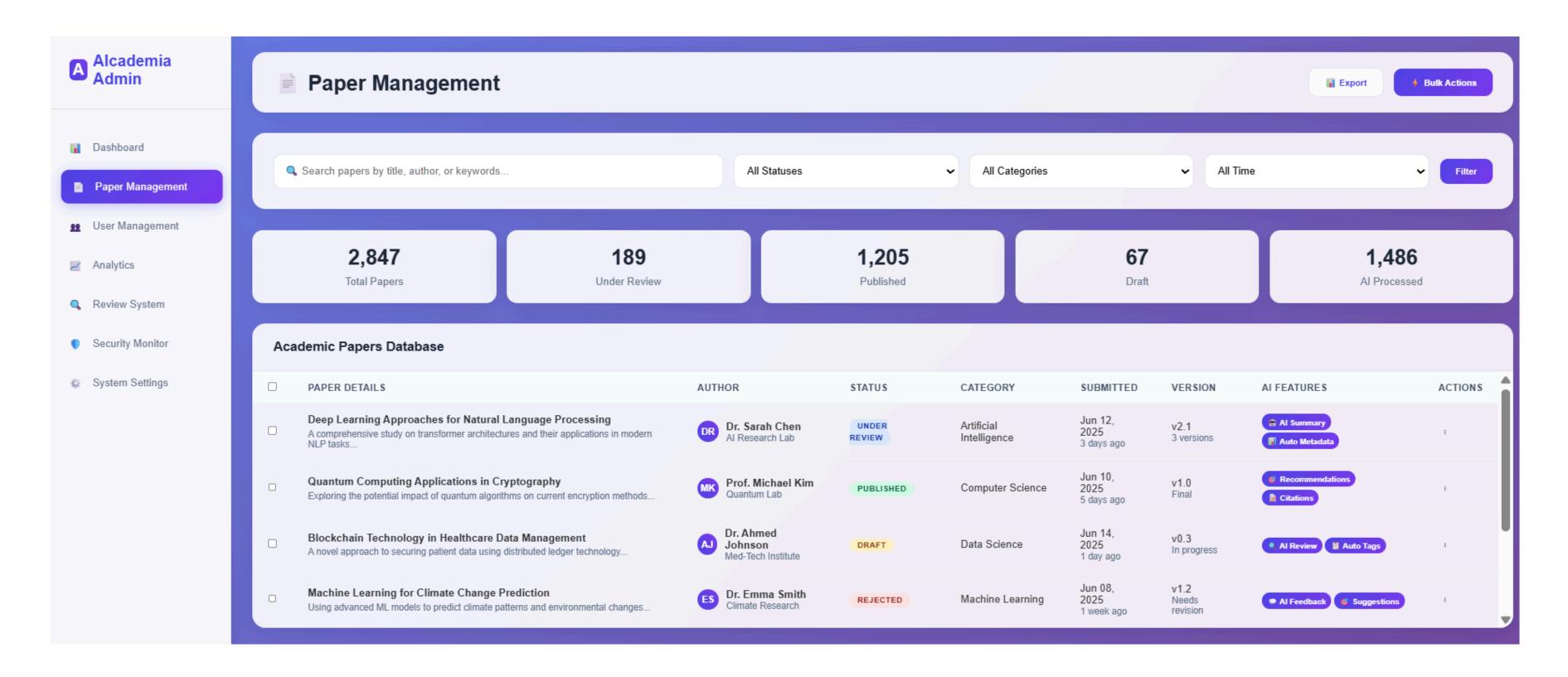
#### **Hardware:**

Item	Specification	Quantity
Server	2 GHz Processor, 256 MB RAM, 80 GB HDD	1
Clients	1.7 GHz Processor, 128 MB RAM, 40 GB HDD	3
LAN	10/100 Mbps	1
Printer	Laser printer	1

#### **Software:**

- Server: Windows 2000, Microsoft SQL Server 2000, Java 2 SDK
- Client: Windows XP, Microsoft Office 2003, SDK/JDK

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## **EXPECTED OUTCOMES**

- Seamless electronic submission and review
- Improved communication and transparency
- Minimized manual errors and delays
- Scalable platform for growing submissions
- Foundation for future enhancements

#### Impact:

A robust, user-friendly platform transforming academic paper management.

## CONCLUSION

- Alcademia = Smart Academic Ecosystem
- Secure, scalable, and efficient
- Supports future AI integrations and global research access

## Ready to transform academic research management!

# THANK YOU

FOR THE ATTENTION

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