



DEPARTMENT OF POLITICAL SCIENCE

UNIVERSITY OF KERALA

Kariavattom Campus, Thiruvananthapuram - 695 581, Kerala, India.

Web : www.keralauniversity.ac.in E-mail : politicalscience@keralauniversity.ac.in

Phone: 0471- 2308307, +91 9447145381

(Reaccredited by NAAC with 'A++' Grade)

No. POL/629/404/2026

14/07/2026

TENDER NOTICE

Sealed tenders are invited from reputed firms/manufacturer/authorized dealers for the supply and installation of following items for implementing the electronic version of departmental research journal, under the 'IT Enabled Academic Initiatives' project at the Department of Political Science, University of Kerala, Kariavattom

1. JOURNAL WEBSITE DEVELOPMENT & AMC

1.1 Objective

To design, develop, deploy, host, and maintain a professional scholarly journal website that complies with international academic publishing standards and supports open-access dissemination of research articles.

1.2 Website Features

A. Homepage and General Information

- Professional, modern, and responsive website design
- Journal branding and identity integration
- Journal aims and scope
- Editorial policies and publication ethics
- Peer-review policy
- Open-access policy
- Copyright and licensing information
- Privacy policy and data protection statement
- Publication frequency and publication schedule
- Contact information
- Announcement and news section

B. Editorial Information

- Editorial Board details
- Advisory Board details
- Reviewer Panel information
- Editor-in-Chief profile

- Associate Editors and Section Editors
- Editorial office information

C. Author Resources

- Author Guidelines
- Manuscript Preparation Guidelines
- Submission Process Information
- Publication Ethics Statement
- Copyright Forms
- Templates and Downloads
- APC (if applicable) information

D. Article Archive and Search

- Volume-wise and Issue-wise article archive
- Advanced article search
- Full-text article access
- PDF download facility
- Metadata-based search
- Keyword-based search
- Author-based search
- DOI linking support

E. Responsive Design

- Mobile-responsive interface
- Tablet compatibility
- Desktop browser compatibility
- Cross-browser support (Chrome, Firefox, Edge, Safari)

F. e-ISSN Compliance Requirements

Website shall include:

- Journal title and ISSN display
- Editorial board information
- Publisher information
- Publication policies
- Archival information
- Article Metadata pages
- Publication ethics statement
- Contact details

G. Accessibility and Security

- WCAG-compliant design principles
- SSL security integration
- Protection against spam and bots
- Secure content management
- Regular security updates

H. Annual Maintenance Contract (AMC)

The AMC shall include:

- Technical support
- Security monitoring
- Bug fixing and troubleshooting
- Software updates
- Content support
- Backup management
- Performance optimization
- Uptime monitoring

2. JOURNAL MANAGEMENT SYSTEM (JMS) DEVELOPMENT AND DEPLOYMENT

2.1 Objective

To provide a secure online manuscript submission, peer review, editorial management, and publication workflow system

2.2 User Roles

A. Administrator

- System configuration
- User management
- Workflow management
- Reports and analytics

B. Editor-in-Chief

- Complete manuscript oversight
- Editorial decision management
- Reviewer assignment approval
- Publication scheduling

C. Associate/Section Editors

- Manuscript handling
- Reviewer assignment
- Recommendation submission
- Editorial correspondence

D. Reviewers

- Review invitation management
- Manuscript evaluation
- Structured review submission
- Recommendation submission

E. Authors

- Registration and profile management
- Manuscript submission
- Revision submission
- Status tracking
- Communication with editorial office

2.3 Editorial Workflow

Manuscript Submission

- Online manuscript submission
- Multiple file uploads
- Supplementary file submission
- Metadata capture
- ORCID integration

Initial Screening

- Scope verification
- Compliance verification
- Plagiarism verification
- Editorial assessment

Peer Review Management

- Reviewer database management
- Reviewer invitation system
- Automated reminders
- Blind review support
- Double-blind review support
- Structured review forms

Editorial Decision Management

- Accept
- Minor Revision
- Major Revision
- Reject
- Resubmit

Revision Management

- Version tracking
- Author revision submission
- Reviewer reassessment
- Decision history

Publication Workflow

- Copyediting management
- Layout preparation
- Proofreading workflow
- Final publication approval
- Online publication scheduling

2.4 Communication and Notifications

- Automated email notifications
- Submission acknowledgement
- Reviewer invitations
- Review reminders

- Decision notifications
- Publication notifications
- Custom email templates

2.5 Reports and Analytics

- Submission statistics
- Acceptance rate reports
- Reviewer performance reports
- Editorial activity reports
- Publication reports
- Author reports
- Journal performance dashboards

2.6 Security Requirements

- Role-based access control
- Secure authentication
- Password encryption
- Audit trails
- Activity logs
- Data backup and recovery
- GDPR-compatible data handling

3.SUBSCRIPTION-BASED INTEGRATED SERVICES AND ADD-ONS

3.1 DOI Integration

Features

- DOI registration integration
- Automated DOI assignment
- DOI metadata submission
- DOI resolution management
- Crossref/DataCite compatibility

Deliverables

- DOI registration setup
- DOI assignment workflow
- DOI metadata export

3.2 Plagiarism Detection Integration

Features

- Integration with plagiarism detection platforms
- Similarity checking during submission
- Detailed plagiarism reports
- Editorial review access

Supported Services

- iThenticate
- Turnitin (where applicable)
- Similar approved plagiarism services

3.3 AI-Based Editorial Support Tools

Features

- Manuscript formatting assistance
- Language enhancement suggestions
- Grammar and style checking
- Reference validation
- Metadata extraction
- Copyediting support
- Editorial quality assessment

AI-Assisted Functions

- Title optimization
- Abstract quality checks
- Citation consistency checks
- Language improvement recommendations

3.4 Indexing Platform Submission Automation

Features

- Metadata export
- XML generation
- Automated indexing feeds
- Repository integration

Supported Platforms

- Google Scholar
- Crossref
- DOAJ
- Scopus (metadata preparation support)
- Web of Science (metadata preparation support)
- OpenAIRE
- BASE
- Dimensions
- Other indexing services as required

3.5 ORCID Integration

Features

- ORCID authentication
- ORCID profile synchronization
- Author identity verification
- Automatic ORCID linking in publications

3.6 Additional Services

Digital Preservation and Archiving

- LOCKSS compatibility
- CLOCKSS compatibility
- PKP PN support

- Institutional repository integration

Metadata Standards

- Dublin Core support
- Crossref XML export
- JATS XML support
- OAI-PMH compliance

Search Engine Optimization (SEO)

- Article-level SEO
- Metadata optimization
- Schema.org integration
- Search engine indexing optimization

Usage Statistics

- Article views
- Download counts
- Citation tracking support
- Altmetric integration support

Multi-Journal Support (Optional)

- Multiple journals under a single platform
- Centralized administration
- Shared reviewer database

Additional Features Requested by Editorial Board

The system shall support future enhancements and custom modules as requested by the Editor-in-Chief, Editorial Board, or Publisher, subject to technical feasibility and mutually agreed scope.

TECHNOLOGY REQUIREMENTS

End-to-End Enterprise Technology Stack

To support the high performance, scalability, and security requirements of the Journal Website and Journal Management System (JMS), a modern, cloud-native architecture hosted on Microsoft Azure is specified. The system is designed to handle asynchronous task workloads, secure scholarly data, and automate publication workflows end-to-end.

A. Frontend Application (Single Page Application)

- **Core Framework:** React.js 18.x (using functional components, React Hooks, and Context API for modularity and performance).
- **State Management & Routing:** Redux Toolkit (RTK) for predictable client-side state management and React Router 6.x for secure client-side routing.
- **Styling & Responsive Design:** TailwindCSS 3.x for modern utility-first CSS styling, ensuring fully responsive, accessibility-compliant layouts across mobile, tablet, and desktop viewports.

- **API Integration:** Axios HTTP client with interceptors for automatic JWT authentication token injection, refresh handling, and global error handling.
- **Frontend Hosting:** Azure Static Web Apps (SWA) to host the production-built React application. Leverages Azure's global CDN for low-latency asset delivery, automated SSL certificate generation/renewal, custom domain routing, and enterprise-grade DDoS protection.

B. Backend API Application

- **Core Frameworks:** Django 5.0 (for comprehensive, secure administration capabilities, migrations, ORM, and integrated auth) and FastAPI 0.111.x (for high-performance, asynchronous REST API endpoints utilized by the frontend and AI integrations).
- **Python Version:** Python 3.12 or 3.13 (utilizing modern typing, performance enhancements, and async capabilities).
- **Asynchronous Task Queue:** Celery 5.4.x (using Python Celery workers) to handle long-running, resource-intensive asynchronous operations such as automated PDF generation, plagiarism report indexing, email notifications, and metadata indexing feeds.

C. Database, Caching & Message Broker

- **Relational Database:** Azure Database for PostgreSQL Flexible Server (PostgreSQL 16.x). Configured with connection pooling (PgBouncer), daily backups (7-day retention), high-availability (HA) zone redundancy, and automated security patching.
- **Caching & Session Store:** Azure Cache for Redis (Redis 7.x). Configured as the cache, session store, and Celery backend database for rapid query caching and real-time dashboard analytics.
- **Message Broker:** Azure Service Bus (Standard tier, AMQP 1.0 protocol) or RabbitMQ (3.13.x). Configured as the reliable message queue and broker to distribute tasks to background workers.

D. Storage Solutions

- **Cloud Object Storage:** Azure Blob Storage (Hot Tier). All uploaded manuscripts, reviewer forms, author supplementary files, generated article PDFs, XML feeds, and journal media assets are securely stored in private containers.
- **Access Control & Security:** Access to private blobs is secured using Shared Access Signatures (SAS tokens) with short-lived TTLs generated dynamically by the backend, ensuring files cannot be accessed publicly without authorization.

E. Deployment & Infrastructure Architecture

- **Backend App Hosting:** Azure App Service (Linux Web App, Basic B1 or Premium P1v3 tier) to host the Docker-containerized Django/FastAPI applications with auto-scaling rules based on CPU/Memory usage.
- **Background Workers:** Azure Container Apps (ACA) to host serverless Celery worker containers. Scale-to-zero configurations are implemented to optimize costs, automatically scaling up when tasks enter the queue and scaling down when idle.
- **Web Server & Ingress Gateway:** Nginx 1.26.x configured as a reverse proxy, ingress controller, and load balancer. Nginx handles SSL/TLS termination (TLS 1.3 only, enforcing HTTPS), custom headers (HSTS, Content Security Policy (CSP), X-Frame-Options, X-Content-Type-Options), rate limiting, and client-side compression (Gzip/Brotli).

F. DevOps, CI/CD Pipeline & Monitoring

- **Source Control:** GitHub repositories with branching strategies, branch protection rules, and mandatory peer pull-request reviews.
- **CI/CD Workflows:** GitHub Actions workflows trigger on commits/PRs to run automated linting (Ruff/ESLint), unit testing (Pytest/Jest), build Docker containers, push to Azure Container Registry (ACR), and trigger deployments to Azure App Service / Container Apps. Jenkins pipelines are optionally integrated for custom on-premises pipeline tasks.
- **Monitoring & Observability:** Azure Monitor and Application Insights integration for end-to-end distributed tracing, real-time error logging, performance alerts, and container status telemetry.

DELIVERABLES

1. Fully functional Journal Website
2. Journal Management System (JMS)
3. DOI Integration
4. Plagiarism Detection Integration
5. ORCID Integration
6. AI-Based Editorial Support Tools
7. Indexing Support Modules
8. Documentation and User Manuals
9. Training for Editorial Team
10. Deployment documentation
11. Backup and Recovery Configuration
12. Multi-year technical support with annually recurring AMC

13. Proper project handover protocol with checklist and documentation

The tender form can be downloaded from the Website of the University of Kerala - www.keralauniversity.ac.in. The cost of tender form and Earnest Money Deposit (EMD) should be submitted as Demand Draft (DD) issued from a Nationalised / Scheduled Commercial Banks, drawn in favour of the Head, Department of Political Science, University of Kerala, payable at State Bank of India, P.B No.1, South Block, University Campus, Kariavattom Branch (IFS Code: SBIN0070043), as described below.

Cost of Tender Form	₹590/- (₹500+18% GST)
Earnest Money Deposit (EMD)	₹2500/-

- The cost of tender form will not be refunded and the separate DD towards the cost of the tender form and the EMD should be submitted. For more details, please log on to www.keralauniversity.ac.in.
- The rate quoted should be inclusive of GST, transportation charges, installation charges and any other charges.
- Complaints with the items supplied should be rectified/replaced to the satisfaction of the Department by the suppliers at their own cost.
- Payment will be made only after the satisfactory installation of the item at our site.
- Compliance Statement should be submitted that includes all parameters as in specification, as detailed in Tender Document.
- Negotiation on the price of the product/work is applicable as per rules.
- The undersigned reserves the right to reject /accept any quotation without assigning any reason.

The sealed tenders along with the tender document, separate DD towards the cost of the tender form and the EMD, Compliance Statement and the technical specification/brochure should be addressed to " The Head, Department of Political Science, University of Kerala, Kariavattom, Thiruvananthapuram - 695581" superscribing as "IT Enabled Academic Initiatives". **The last date of receipt of tenders is 3rd August 2026 at 4:30 pm.** The tenders will be opened at the Department of Political Science, University of Kerala on 4th August 2026 at 11:00 am in the presence of vendors then present.



Rosemary

Dr. ROSE MARY GEORGE
Associate Professor & Head
Department of Political Science
University of Kerala, Kariavattom
Thiruvananthapuram - 695 581



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**TENDER DOCUMENT FOR THE SUPPLY OF ITEMS FOR THE
DEPARTMENT OF POLITICAL SCIENCE, UNIVERSITY OF KERALA,
KARIAVATTOM**

Tenderer Details

Registered Name and Address of Tenderer	
Address for communication	
Other contact information Telephone Office : Mobile : E- mail :	
Signature	

FORM OF TENDER

From

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.....
.....

To

.....
.....

Sir,

I/We hereby tender to supply, under the annexed general conditions of contract, the whole of the articles referred to and described in the attached specification and schedule, or any portion thereof, as may be decided by the Department of Political Science, University of Kerala, Kariavattom at the rates quoted against each item. The articles will be delivered within the time and at the places specified in the schedule.

*I/We am/are remitting/have separately remitted the required amount of ₹
(Rupees.....only) as
earnest money.

Yours faithfully

Signature.....

Address.....

Date :

*(To be scored in cases where no earnest money deposit is furnished)

Important: This tender form may be printed on A4 size paper. Editing of the pre-printed text in the tender form in any way other than as indicated (like ticking, filling in with ink/typing, scoring off inapplicable material etc.) will render the tender form invalid and liable for rejection.

GENERAL CONDITIONS

Sealed tenders are invited for the supply of the materials as specified in schedule attached below.

1. The tenders should be addressed to the Head of the Department, Department of Political Science, University of Kerala, Kariavattom -695581 in a sealed cover with the tender number and name – " IT Enabled Academic Initiatives'" duly superscribed on the cover.

2. The cost of tender forms once paid will not be refunded. Tenders which are not in the prescribed form are liable to be rejected. The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection.

3. Intending tenderers should send their tenders so as to reach the officer mentioned in the tender notification, on or before the due date and time noted therein. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned therein. Tenders not stipulating period of firmness and tenders with price variation clauses and/or 'subject to prior sale' condition are liable to be rejected.

4. (a) Every tenderer who has not registered his name with the State Government (Stores Purchase Department), should send along with his tender, an earnest money of ₹2500/-. The amount may be paid by remitting as Demand Draft (DD) drawn in favour of The Head, Department of Political Science, University of Kerala, as described in the tender notification. Cheques will not be accepted. The earnest money of unsuccessful tenderers will be returned as soon as possible after the tenders are settled.

(b) Tenderers whose names are registered with Government (Stores Purchase Department) are generally exempted from furnishing earnest money for such articles for which they have registered their names. If they tender for stores other than those for which they have registered their names, they will have to furnish earnest money as in the case of unregistered firms. Registered firms will have to quote invariably in every tender they submit the registration number assigned to them by the Stores Purchase Department. Attested copy of registration certificate may be enclosed with the tender for reference.

(c) Micro, Small & Medium Enterprises and Cottage Industries and Industrial co-operatives within the State which are certified as such by the Director of Industries and commerce or by the Regional Joint Directors of Industries and Commerce will be exempted from furnishing earnest money deposits in support of tenders submitted by them. The Khadi and village Industries Co-operative Societies and the institutions registered under the Literary, Scientific and Charitable Societies Act and financed by the Kerala Khadi and Village Industries Board within that State which are certified as such by the Secretary, Kerala Khadi Village Industries Board will be exempted from furnishing earnest money deposits in support of tenders submitted by them. Government Institutions/State Public Sector Industries which manufacture and supply stores will also be exempted from furnishing earnest money for tenders submitted by them. Attested copy of the same may be enclosed with the tender for the exemption of earnest money. (d) In the matter of purchase of stores by the State Government Departments, Small Scale Industrial Units sponsored by the National Small-Scale Industries Corporation Limited, New Delhi and in respect of which competency certificates are

issued by the Corporation will be exempted from payment of Earnest Money Deposits. Attested copy of the same may be enclosed with the tender for the exemption of earnest money.

5. The tenders will be opened on the appointed day and time in the office of the Head, Department of Political Science, in the presence of such of those tenderers or their nominees who may be present at that time.

6. If any tenderer withdraws from his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any deposited by him will be forfeited to the Department of Political Science or such action taken against him as the Department think fit.

7. Tenderers shall invariably specify in their tenders the delivery date and the time for the supply of tendered articles, as per the tender notification.

8. The final acceptance of the tenders rests entirely with the Department who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tender as may be allotted to them.

9. In the case of materials of technical nature, the successful tenderer should be prepared to guarantee satisfactory performance for warranty period.

10. In cases where a successful tenderer, after having made partial supplies, fails to fulfil the contracts in full, all or any of the materials not supplied may at the discretion of the Head of the Department, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the Department shall thereby, together with such sums as may be fixed by the Department towards damages, be recovered from the defaulting tenderer.

11. Payments will be made only after the supplies are actually verified and taken to stock. The firms will produce stamped pre-receipt for releasing the payment, after the satisfactory supply/installation of the items at our site.

12. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Head of the Department who shall have absolute power to refuse such consent or to rescind such content (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such recession. Provided always that is such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

13. The tenderer shall undertake to supply materials according to the standard sample and/or specifications mentioned in the Tender Document.

14. No representation for enhancement of rates once accepted will be considered.

15. Any attempt on the part of the tenderers or their agents to influence the Department in their favour by personal canvassing with the officers concerned will disqualify the tenderers.

16. Tenderers should be prepared to accept orders subject to the penalty clause for forfeiture of earnest money in the even of default in supplies or failure to supply within the stipulated period.



Rosemary

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SCHEDULE OF MATERIALS

Sl. No	Item Name	Quantity (Nos)	Rate (₹)	Total Rate (Qty x Rate) (₹)	GST Rate (%)	GST Amount	Total Amount (Total Rate + GST Amount)	Remarks
1.	Journal Website Development & AMC							
2.	Journal Management System (JMS) Development and Deployment							
3.	Subscription-Based Integrated Services and Add-Ons (All items shall comply with the specifications outlined in the Tender Notice)							

Rate quoted should be inclusive of all charges such as packing, forwarding, freight, loading/unloading/handling or installation charges and Government duties leviable, if any.

Rate quoted should be inclusive of GST, transportation charges, installation charges and any other charges.

Period within which goods should be delivered: deliver the items within 15 days of placing the Supply Order.

Other special conditions: Defective items, if any, supplied should be rectified/replaced to the satisfaction of the Department by the suppliers at their own cost.

General Tender Terms & Conditions for technical verification

1. Tenderers who are blacklisted by State / Central Government departments and organizations are not eligible to participate in this tender and such tender will be summarily rejected.
2. The Tenderer should have registered office/Own service center in Kerala preferably in Thiruvananthapuram.
3. Compliance Statement should be submitted separately that includes all parameters including Make and Model of the quoted item, as in specification.
4. Detailed equipment data sheet should be submitted
5. All the items must have a warranty period, as mentioned in the specification.

Technical Specification and Compliance Statement

Specify Model:				
Sl. No.	Parameters	Specifications	Compliance (Yes/No)	Remarks
1	Journal Website Development & Amc	1.2 Website Features A. Homepage and General Information - Professional, modern, and responsive website design - Journal branding and identity integration - Journal aims and scope - Editorial policies and publication ethics - Peer-review policy - Open-access policy - Copyright and licensing information - Privacy policy and data protection statement - Publication frequency and publication schedule - Contact information - Announcement and news section B. Editorial Information - Editorial Board details - Advisory Board details - Reviewer Panel information - Editor-in-Chief profile - Associate Editors and Section Editors - Editorial office information C. Author Resources - Author Guidelines - Manuscript Preparation Guidelines - Submission Process Information - Publication Ethics Statement		

		• Copyright Forms • Templates and Downloads • APC (if applicable) information D. Article Archive and Search • Volume-wise and Issue-wise article archive • Advanced article search • Full-text article access • PDF download facility • Metadata-based search • Keyword-based search • Author-based search • DOI linking support E. Responsive Design • Mobile-responsive interface • Tablet compatibility • Desktop browser compatibility • Cross-browser support (Chrome, Firefox, Edge, Safari) F. e-ISSN Compliance Requirements Website shall include: • Journal title and ISSN display • Editorial board information • Publisher information • Publication policies • Archival information • Article Metadata pages • Publication ethics statement • Contact details G. Accessibility and Security • WCAG-compliant design principles • SSL security integration • Protection against spam and bots • Secure content management • Regular security updates		
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		H. Annual Maintenance Contract (AMC) The AMC shall include: • Technical support • Security monitoring • Bug fixing and troubleshooting • Software updates • Content support • Backup management • Performance optimization • Uptime monitoring		
2	Journal Management System (JMS) Development and Deployment	2.2 User Roles A. Administrator • System configuration • User management • Workflow management • Reports and analytics B. Editor-in-Chief • Complete manuscript oversight • Editorial decision management • Reviewer assignment approval • Publication scheduling C. Associate/Section Editors • Manuscript handling • Reviewer assignment • Recommendation submission • Editorial correspondence D. Reviewers • Review invitation management • Manuscript evaluation • Structured review submission • Recommendation submission E. Authors • Registration and profile management • Manuscript submission		

		• Revision submission • Status tracking • Communication with editorial office 2.3 Editorial Workflow Manuscript Submission • Online manuscript submission • Multiple file uploads • Supplementary file submission • Metadata capture • ORCID integration Initial Screening • Scope verification • Compliance verification • Plagiarism verification • Editorial assessment Peer Review Management • Reviewer database management • Reviewer invitation system • Automated reminders • Blind review support • Double-blind review support • Structured review forms Editorial Decision Management • Accept • Minor Revision • Major Revision • Reject • Resubmit Revision Management • Version tracking • Author revision submission • Reviewer reassessment • Decision history Publication Workflow • Copyediting management • Layout preparation • Proofreading workflow • Final publication approval		
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		• Online publication scheduling 2.4 Communication and Notifications • Automated email notifications • Submission acknowledgement • Reviewer invitations • Review reminders • Decision notifications • Publication notifications • Custom email templates 2.5 Reports and Analytics • Submission statistics • Acceptance rate reports • Reviewer performance reports • Editorial activity reports • Publication reports • Author reports • Journal performance dashboards 2.6 Security Requirements • Role-based access control • Secure authentication • Password encryption • Audit trails • Activity logs • Data backup and recovery GDPR-compatible data handling		
3	Subscription-Based Integrated Services and Add-Ons	3.1 DOI Integration Features • DOI registration integration • Automated DOI assignment • DOI metadata submission • DOI resolution management • Crossref/DataCite compatibility Deliverables • DOI registration setup • DOI assignment workflow • DOI metadata export		

		3.2 Plagiarism Detection Integration Features • Integration with plagiarism detection platforms • Similarity checking during submission • Detailed plagiarism reports • Editorial review access Supported Services • iThenticate • Turnitin (where applicable) • Similar approved plagiarism services 3.3 AI-Based Editorial Support Tools Features • Manuscript formatting assistance • Language enhancement suggestions • Grammar and style checking • Reference validation • Metadata extraction • Copyediting support • Editorial quality assessment AI-Assisted Functions • Title optimization • Abstract quality checks • Citation consistency checks • Language improvement recommendations 3.4 Indexing Platform Submission Automation Features • Metadata export • XML generation • Automated indexing feeds • Repository integration Supported Platforms • Google Scholar		
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	• Crossref • DOAJ • Scopus (metadata preparation support) • Web of Science (metadata preparation support) • OpenAIRE • BASE • Dimensions • Other indexing services as required 3.5 ORCID Integration Features • ORCID authentication • ORCID profile synchronization • Author identity verification • Automatic ORCID linking in publications 3.6 Additional Services Digital Preservation and Archiving • LOCKSS compatibility • CLOCKSS compatibility • PKP PN support • Institutional repository integration Metadata Standards • Dublin Core support • Crossref XML export • JATS XML support • OAI-PMH compliance Search Engine Optimization (SEO) • Article-level SEO • Metadata optimization • Schema.org integration • Search engine indexing optimization Usage Statistics • Article views • Download counts		
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		• Citation tracking support • Altmetric integration support Multi-Journal Support (Optional) • Multiple journals under a single platform • Centralized administration • Shared reviewer database Additional Features Requested by Editorial Board The system shall support future enhancements and custom modules as requested by the Editor-in-Chief, Editorial Board, or Publisher, subject to technical feasibility and mutually agreed scope. TECHNOLOGY REQUIREMENTS End-to-End Enterprise Technology Stack To support the high performance, scalability, and security requirements of the Journal Website and Journal Management System (JMS), a modern, cloud-native architecture hosted on Microsoft Azure is specified. The system is designed to handle asynchronous task workloads, secure scholarly data, and automate publication workflows end-to-end. A. Frontend Application (Single Page Application) • Core Framework: React.js 18.x (using functional components, React Hooks,		
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		and Context API for modularity and performance). • State Management & Routing: Redux Toolkit (RTK) for predictable client-side state management and React Router 6.x for secure client-side routing. • Styling & Responsive Design: TailwindCSS 3.x for modern utility-first CSS styling, ensuring fully responsive, accessibility-compliant layouts across mobile, tablet, and desktop viewports. • API Integration: Axios HTTP client with interceptors for automatic JWT authentication token injection, refresh handling, and global error handling. • Frontend Hosting: Azure Static Web Apps (SWA) to host the production-built React application. Leverages Azure's global CDN for low-latency asset delivery, automated SSL certificate generation/renewal, custom domain routing, and enterprise-grade DDoS protection. B. Backend API Application • Core Frameworks: Django 5.0 (for comprehensive, secure administration capabilities, migrations, ORM, and integrated auth)		
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		and FastAPI 0.111.x (for high-performance, asynchronous REST API endpoints utilized by the frontend and AI integrations). • Python Version: Python 3.12 or 3.13 (utilizing modern typing, performance enhancements, and async capabilities). • Asynchronous Task Queue: Celery 5.4.x (using Python Celery workers) to handle long-running, resource-intensive asynchronous operations such as automated PDF generation, plagiarism report indexing, email notifications, and metadata indexing feeds. C. Database, Caching & Message Broker • Relational Database: Azure Database for PostgreSQL Flexible Server (PostgreSQL 16.x). Configured with connection pooling (PgBouncer), daily backups (7-day retention), high-availability (HA) zone redundancy, and automated security patching. • Caching & Session Store: Azure Cache for Redis (Redis 7.x). Configured as the cache, session store, and Celery backend database for rapid query caching and real-time dashboard analytics.		
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		• Message Broker: Azure Service Bus (Standard tier, AMQP 1.0 protocol) or RabbitMQ (3.13.x). Configured as the reliable message queue and broker to distribute tasks to background workers. D. Storage Solutions • Cloud Object Storage: Azure Blob Storage (Hot Tier). All uploaded manuscripts, reviewer forms, author supplementary files, generated article PDFs, XML feeds, and journal media assets are securely stored in private containers. • Access Control & Security: Access to private blobs is secured using Shared Access Signatures (SAS tokens) with short-lived TTLs generated dynamically by the backend, ensuring files cannot be accessed publicly without authorization. E. Deployment & Infrastructure Architecture • Backend App Hosting: Azure App Service (Linux Web App, Basic B1 or Premium P1v3 tier) to host the Docker-containerized Django/FastAPI applications with auto-scaling rules based on CPU/Memory usage. • Background Workers: Azure Container Apps (ACA)		
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		to host serverless Celery worker containers. Scale-to-zero configurations are implemented to optimize costs, automatically scaling up when tasks enter the queue and scaling down when idle. • Web Server & Ingress Gateway: Nginx 1.26.x configured as a reverse proxy, ingress controller, and load balancer. Nginx handles SSL/TLS termination (TLS 1.3 only, enforcing HTTPS), custom headers (HSTS, Content Security Policy (CSP), X-Frame-Options, X-Content-Type-Options), rate limiting, and client-side compression (Gzip/Brotli). F. DevOps, CI/CD Pipeline & Monitoring • Source Control: GitHub repositories with branching strategies, branch protection rules, and mandatory peer pull-request reviews. • CI/CD Workflows: GitHub Actions workflows trigger on commits/PRs to run automated linting (Ruff/ESLint), unit testing (Pytest/Jest), build Docker containers, push to Azure Container Registry (ACR), and trigger deployments to Azure App Service / Container Apps. Jenkins pipelines are optionally		
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		integrated for custom on-premises pipeline tasks. • Monitoring & Observability: Azure Monitor and Application Insights integration for end-to-end distributed tracing, real-time error logging, performance alerts, and container status telemetry. DELIVERABLES 14. Fully functional Journal Website 15. Journal Management System (JMS) 16. DOI Integration 17. Plagiarism Detection Integration 18. ORCID Integration 19. AI-Based Editorial Support Tools 20. Indexing Support Modules 21. Documentation and User Manuals 22. Training for Editorial Team 23. Deployment documentation 24. Backup and Recovery Configuration 25. Multi-year technical support with annually recurring AMC 26. Proper project handover protocol with checklist and documentation		
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Terms and conditions

1. The Tenderer shall quote price in clear terms. The rates quoted must be inclusive of all taxes, cost of supply at site, warranty and installation charges etc...
2. The price should be quoted only in Indian rupees. The tender shall be typed and signed by the Tenderer.
3. All the documents mentioned shall be submitted without fail.
4. All the documents must be typed and clear.
5. Detailed specifications of the items together with quantity required are available within the schedule of Materials/Compliance appended to the tender notification/tender document.
6. **Validity:** - The tender will be valid for 180 days from its date of opening. Further extension can be done by mutual consent.
7. **Delivery:** - The item should be delivered at the Department of Political Science, University of Kerala, Kariavattom - 695581.
8. **Period of Completion:** - The supply and installation shall be completed within a period 15 days from date of placing the Supply Order.
9. **Payment:** Full payment will be made only after successful completion of the supply and the installation of items and advance payment will not be allowed under any circumstances. No part payments shall be made.
10. Complaints if any with the items supplied should be rectified/replaced to the satisfaction of the Department by the suppliers at their own cost.
11. The undersigned reserves the right to reject or accept any or all the tenders received fully or partly without assigning any reason thereof.
12. General rules relating to purchase of materials/equipment will also applicable to this tender.



Rosum

Dr. ROSE MARY GEORGE
Associate Professor & Head
Department of Political Science
University of Kerala, Kariavattom
Thiruvananthapuram - 695 581