



KAVAYITRI BAHINABAI CHAUDHARI
NORTH MAHARASHTRA UNIVERSITY, JALGAON

NOTICE INVITING REQUEST FOR PROPOSAL (RFP)

KBCNMU, Jalgaon, invites Technical Concept Proposals from reputed Information Technology (IT) companies and Enterprise Resource Planning (ERP) solution providers for the design, development, and implementation of an Integrated Digital Ph.D. Research Management System (PRPMS).

The proposed system shall automate the entire Ph.D. Programme life cycle, including the Ph.D. Entrance Test (PET), Supervisor/Research Centre management, RRC/RAC digital workflows, thesis evaluation, and digital archival etc, in strict compliance with the Maharashtra Public Universities Act, 2016, and UGC Regulations from time to time.

Important Information: · RFP Document Availability: From 02/07/2026 to 31/08/2026 on the University website (www.nmu.ac.in) & Mahatender.

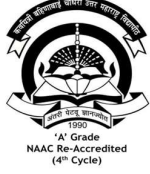
Note: This RFP is intended for technical requirement assessment and solution evaluation only. It does not constitute a formal tender or a request for commercial quotes. The University reserves the right to use the technical insights gained to finalize a formal Request for Quotation (RFQ) at a later stage from the same participant vendors.

RFP Cost Rs. 2,000/- (Rs Two Thousand only)

O.No.: KBC NMU/11/RFP/737/2026

Date : 01/07/2026

Registrar



**KAVAYITRI BAHINABAI CHAUDHARI
NORTH MAHARASHTRA UNIVERSITY, JALGAON
कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव**

RESEARCH SECTION

**KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA
UNIVERSITY, JALGAON
NOTICE REQUEST FOR PROPOSAL (RFP) DOCUMENT**

Issued by
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RFP Notification No. : KBCNMU/11/737/2026

Dated– 01/07/2026

Bid Submission End Date : 31/08/2026

Total Pages – 01 to 07

RFP Cost- Rs. 2000/-

**KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON NOTICE Request
for Proposal (RFP) Document**

Note:

- **Pre-Proposal Meeting:** 10 July 2026 @ 11 AM at the Administrative Building.
- **Final Clarification Meeting:** 30 July 2026 @ 11 AM at the Administrative Building.
- **Proposal Submission Deadline:** 31 August 2026. On line on Maha tender portal
- **Contact Person:** Mr Pravin Chandankar, A.R.(Rtd.) Research Section - 02572257224

-Project Details-

- 1) **Project Introduction:** KBCNMU is a public state university governed by the **Maharashtra Public Universities Act, 2016**. The University intends to transition from existing online computerised system to more user friendly, secure, AI enabled, latest technology based, web-based, workflow-driven platform to manage the complete lifecycle of its Doctor of Philosophy (Ph.D.) programmes.

Information of Ph.D. Admitted Students

The University conducts the Ph.D. Entrance Test (PET) For admission to the Ph.D. programme, For each PET examination is conducted every year along with pre PhD Course work examination every year.

PET applications are invited from eligible candidates through a public advertisement. Generally, around **4,000+ applications** are received for each PET cycle. Based on these applications, separate lists are prepared for:

- Candidates exempted from appearing for the PET examination, and
- Candidates required to appear for the PET examination.

After accounting for exemptions and cancellations of exemptions, approximately **2500+ candidates appear for the PET examination** in each cycle.

Out of these candidates, around **1,000+ students qualify** the PET examination. After the allocation of research supervisors and successful completion of the course work examination, approximately **800–900 students are finally admitted to the Ph.D. programme as per guide vacancy** in the respective year. Around 250-300 students are conferred PhD Degree every year.

From the PET examinations conducted in **2017, 2019, 2021, 2023, and 2024**, nearly **4,000 Ph.D. students are currently pursuing their research programmes**. The entire process, from admission to various notifications and related academic procedures, is carried out through an **online system**.

The proposed platform shall provide complete digital transformation of research programme administration and shall be aligned with:

- University Grants Commission (UGC) Regulations governing Ph.D. programmes from time to time;
- National Education Policy (NEP) 2020;
- Digital India Mission initiatives;
- National Assessment and Accreditation Council (NAAC) requirements;
- National Institutional Ranking Framework (NIRF) requirements;
- All India Survey on Higher Education (AISHE) reporting requirements;
- Cyber Security and Data Protection standards applicable to Higher Education Institutions.
- To maintain confidentiality of examiner-related activities.
- To maintain secure digital repositories and archival systems.
- To provide seamless integration of proposed system with existing University systems (finance, affiliation) and external platforms.
- To improve stakeholder services and operational efficiency.

2) **Statutory Compliance:** The implementation must adhere to the provisions as per **Maharashtra Public Universities Act, 2016, Maharashtra Universities Common Account Code & UGC Regulations & NEP 2020:** Ensuring academic standards and digital archival requirements (e.g., Shodhganga, etc) are met.

3) **Scope of Work:** The selected partner will undertake a six-phase implementation:

1. **Requirement Study:** Gap analysis and Business Process Re-engineering (BPR) to align digital workflows with University Statutes.
2. **System Design:** Application, database, and security architecture design.
3. **Development:** Configuring modules for PET, Pre-PhD course work exam, Guide management, RRC/RAC workflows, 6 monthly monitoring research progress, synopses, draft thesis, final thesis submission, evaluation and award of Notification.
4. **Testing:** Comprehensive UAT and Vulnerability Assessment and Penetration Testing (VAPT).
5. **Deployment:** Legacy data migration, staff training and Go-live
6. **Maintenance:** Ongoing support, security updates, and Functional & Technological version upgrades.

To comply with above phases the bidder shall:

- Design, Develop, Configure and integrate all modules.
- Configure workflows and approval hierarchies.
- Develop reports and dashboards.
- Implement integrations.
- Configure notification systems.
- Develop mobile-responsive interfaces.
- Import existing legacy data in proposed system for around 3000 researchers.

4) **Functional Modules:** The system must include, but is not limited to, the following:

- **Admissions & PET:** Online registration, merit list generation, and CBT management.
- **Academic Workflows:** Digital processing for the **Research and Recognition Committee (RRC)** and **Research Advisory Committee (RAC)** as defined in the Act.
- **Supervisor & Centre Management:** Tracking guide workloads, vacancies, and research centre recognition norms.
- **Examination & Evaluation:** Confidential examiner panel generation and plagiarism report management.
- **Finance Integration:** Real-time tracking of various types of Ph.D. fees and automated processing of examiner TADA and remunerations as per the policies set in the PhD department from time to time and in compliance with **Income Tax Rules**.
- **Digital Repository:** Metadata management and integration with the **Knowledge Resource Centre** for digital preservation.

The proposed system shall include the following modules:

1. Ph.D. Entrance Test (PET) Management Module Including:
 - Notification Management
 - Online Registration
 - Exemption Processing
 - Application Scrutiny
 - Document Verification
 - Online Fee Collection
 - Hall ticket generation/examination scheduling
 - Computer Based Test (CBT)
 - Result Processing

- Merit List Generation
 - Reservation Roster Reports
 - Alerts()
2. Research Supervisor (Guide) Management Module Including:
 - Guide Registration(brief profile, recognition norms checking)
 - Recognition and Approval
 - Renewal Management
 - Vacancy Management
 - Workload Monitoring
 - Guide/ Co-Guide Management (profile/ Ph.D. Scholar enrolment/ vacancy updation)
 - Alerts()
 3. Research Centre Management Module Including:
 - Centre Recognition
 - Infrastructure Management
 - Faculty Profile Management
 - Facility Management
 - Performance Monitoring
 - Alerts()
 4. Guide Allocation Management Module Including:
 - Online guide consent
 - Scholar Preferences (list of guide with brief profile, vacancies, AI based guide recommendation)
 - Merit-Based Allocation
 - Interview Scheduling
 - Guide Allotment
 - Digital Allotment Letters
 - Alerts()
 5. Ph.D. Registration Management Module Including:
 - Provisional Registration
 - Eligibility Verification
 - Registration Approval
 - Registration Certificate Generation
 - Alerts()
 6. Research Title and Synopsis Approval Module Including:
 - Title Submission (constraint: title should not be repeated)
 - Research and Recognition Committee (RRC) Workflow
 - Synopsis Processing
 - Approval Management
 - Alerts()
 7. Research Advisory Committee (RAC) Management Module Including:
 - RAC Constitution
 - Meeting Management
 - Progress Reviews
 - Recommendation(?) Management
 - Alerts()
 8. Coursework Management Module Including:
 - Enrollment
 - Attendance
 - Internal Assessment
 - Computer Based Test (CBT)
 - Grade Generation
 - Alerts()

9. Multiple Choice Question (MCQ) Question Bank Management Module Including:
 - Question Entry
 - Question Moderation
 - Secure Storage
 - Random Question Generation
 - Multilingual Support
 - Alerts()
10. Research Scholar Progress Monitoring Module Including:
 - Six-Month Progress Reports
 - Publication Monitoring
 - Seminar Tracking
 - Conference Tracking
 - Alerts and Notifications
11. Publication Management Module Including:
 - University Grants Commission–Consortium for Academic and Research Ethics (UGC-CARE) Verification
 - Scopus Publications
 - Web of Science Publications
 - Patent Management
 - Alerts()
12. Synopsis Management Module: Upload from candidate login & Approval from university login
13. Thesis Management Module Including:
 - Draft Thesis Submission
 - Final Thesis Submission
 - Plagiarism Report Management
 - Thesis Repository
 - Alerts()
14. Examiner Management Module Including:
 - Confidential Examiner Panel Generation
 - Appointment Workflow
 - Acceptance Tracking
 - Evaluation Report Management
 - Alerts()
15. Viva-Voce Management Module Including:
 - Scheduling
 - Offline / Online Viva-Voce
 - Result Processing
 - Alerts()
16. Degree Award Management Module Including:
 - Final Approval Workflow
 - Degree Recommendation
 - Convocation Processing
 - Alerts()
17. Digital Repository and Archival Module Including:
 - Metadata Management
 - Full Text Search
 - Digital Preservation
 - Shodhganga Integration
 - Alerts()
18. Fee and Remuneration Management Module Including:
 - Fee Collection
 - Late Fee Management
 - Payment Gateway Integration

- Remuneration Processing
- Alerts()
- 19. Management Information System (MIS) and Dashboard Module Including reports required for:
 - UGC, NAAC, AISHE, NIRF, Government of Maharashtra, University Authorities, Custom Reports
 - Alerts()
- 20. AI Integration:
 - Smart form assistance to reduce errors.
 - AI document reader to pre-filled data from marksheets, certificates and ID documents.
 - AI validation to detect missing, blurred or incorrect documents.
 - Duplicate candidate detection using name, mobile, email and document patterns.
 - AI-based eligibility recommendation engine.
 - Certificate classification and document matching.
 - Risk flagging for doubtful or inconsistent documents.
 - Auto-generation of scrutiny remarks for officer review.

5) Information Security and Data Recovery

- **Security:** Mandatory support for SSL/TLS, Multi-Factor Authentication (MFA), Roll based authorisation, and data encryption at rest and in transit with restricted manual overrides.
- **Audit Trails:** Detailed logging of all users' actions to facilitate internal and statutory audits.
- **Data Ownership:** All records and assets generated shall remain the **sole property of the University.**
- **Disaster Recovery:** A robust mechanism for daily incremental and weekly full backups with a minimum retention period of ten years.

6) User Roles And Access Control: The system shall support role-based access for:

- Role creation and management (Authorization and Authentication)
- Research Scholars
- Research Supervisors (Guides)
- Co-Guides
- RAC Members
- RRC Members
- Examiners
- Chairpersons
- Heads of Departments (HoDs)
- Deans
- Research Section Officials
- Registrar
- Pro-Vice Chancellor
- Vice Chancellor
- System Administrators
- Alerts()

7) Eligibility Criteria: Applicants must meet the following minimum requirements:

- **Software Development Experience:** Minimum 5 years.
- **Turnover:** Average annual turnover of ₹10 Crore from software development business.
- **Experience:** Successful completion of at least 3 university(not limited to public universities) projects and 02 similar government projects in HE.
- **Registrations:** Mandatory registrations with ROC/LLP, GST, PAN, CMMI level 3 & above, ISO 9001/2015.

- **Declaration:** Non-Blacklisting Declaration
- **Audited Financial statements for last 3 years.**
- **Customer list with Contact details**

8) Submission Framework (Non-Commercial): Technology partners are invited to submit a **Technical Proposal** including:

- **Organizational Profile** and experience in high-stakes academic environments.
- **Requirement Analysis Report** detailing process flowcharts and identifying potential "grey areas".
- **Technical Solution** walkthrough, demonstrating how the software meets the requirements of the **Maharashtra Public Universities Act** and **Account Code**.
- **Implementation Plan** with a timeline for completion within 120 days.
- **Support Mechanism** for post-implementation stabilization.

9) Data Backup, Recovery And Retention: The selected bidder shall provide:

- Daily Incremental Backup
- Weekly Full Backup
- Monthly Archival Backup
- Disaster Recovery Mechanism
- Backup restoration
- Editable Database Backup
- Point-in-Time Recovery

Data export shall be available in:

- Microsoft Excel
- Comma Separated Values (CSV)
- Portable Document Format (PDF)
- Structured Query Language (SQL)
- JavaScript Object Notation (JSON)

All backups shall be retained for a minimum period of ten years.

10) Hosting Model: The University prefers a Software as a Service (SaaS) deployment model on secure cloud infrastructure. The solution shall provide:

- Dedicated Database Environment
- Secure Hosting Infrastructure
- Disaster Recovery Site
- Backup and Replication Mechanism
- University Ownership of Data

The bidder may additionally propose a University Hosted or Hybrid Deployment Model.

11) Format of RFP

- Brief Profile of the organization.
- List of Completed Projects with cost and brief project synopsis
- Requirement Gathering and Analysis report pointing out Process flow charts and grey areas
- Technical Design/Solution (meeting the Functional Specifications/ requirements mentioned above)
- Technical Platform
- Data ownership and Import/Export facilities
- Salient features of Technical Design/Solution
- Commercial Model/offering(s)(tentative)
- Project Implementation plan

- Support Mechanism
- Tentative BoM and estimated cost
- Clientele with contact information
- Evidences with respect to eligibility criterion (as per section 7)

12) Bidding Process

- a. The project will follow two-step process which includes
 - i. Call for RFP
 - ii. Call for RFQ
- b. Technical Presentation & Evaluation of RFP as submitted by eligible vendors.
- c. List of vendors eligible for submitting RFQ will be announced on the website/ communicated personally.
- d. Finalization of RFQ document by university.
- e. Call for RFQ (only vendors who have qualified the RFP evaluation round will be allowed to participate in RFQ)

13) Bid Evaluation Methodology

Technical Evaluation of RFP document – 50 Marks

Presentation and Documentation: 50 Marks

Minimum Qualifying Score: 60 Marks

Registrar, KBC NMU, Jalgaon