



# Government Polytechnic, Nashik

(An Academically Autonomous Institute of Govt. of Maharashtra State)

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No. GPNSK/ EC /QUO/2023/ 2049

Date: 6 OCT 2023

**Due Date – 18/10/2023**

To,  
Web Site of This Institute

**Subject:- Quotation for development & implementation of Software for conduct of examination & related activity.**

## I. SCOPE OF WORK

### A. Functional Requirements - Multi point Entry, Exit & Credit system (MPEECS)

- **Student Enrollment System (MPEECS)**
  - Student registration and profile management
  - Course registration and scheduling
  - Payment processing and fee management
  - Document submission and verification
  - Reporting and analytics
  - User authentication and access control
- **Result Processing System (MPEECS)**
  - Student data management (e.g., enrollment, registration)
  - Exam Form Filling Process
  - Result data input and validation
  - Calculation of grades and GPA (Grade Point Average)
  - Result publication and distribution
  - Reporting and analytics
  - User authentication and access control

### B. Technical Requirements

- Software should be deployed on reliable cloud server with uptime guarantee of over 99%
- The responsibility of maintaining the server relies on the service provider
- The system should have provision to whitelist/blacklist IP address given by the Organization
- The system should be compatible with windows/IOS & mobile phones

### C. User Interface and Experience

1. The User interface should be User friendly.
2. Software should be customizable as per the Organization requirement
3. If the software involves form submissions (e.g., exam registration), design the forms that are user-friendly with clear labels and validation messages.
4. Provide inline validation to help users correct errors in real-time.
5. Use clear labels and icons for navigation elements to guide users.

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#### **D. Security and Data Privacy**

1. Data should have 256 Encryptions
2. Vendor Should have valid Cert-in & ISO 9001: 2008/2015, ISO/IEC 20000-1:2011, CMMI-SVC V.1.3, Maturity Level - 5 Certification
3. Require strong user authentication, including username/password or multi-factor authentication (MFA).
4. Encrypt sensitive data at rest, including student records, exam questions, and results, using strong encryption algorithms.
5. Implement strong password policies and regular password changes for administrators and users.
6. Encrypt sensitive data at rest, including student records, exam questions, and results, using strong encryption algorithms.
7. Employ robust encryption key management practices to safeguard encryption keys.
8. Ensure that the software is hosted on secure servers with up-to-date security configurations.
9. Regularly update and patch server software and operating systems.
10. Protect the privacy of student information, including personal data and exam results.

#### **E. Reporting and Analytics**

1. Reports and analytics should be generated from software as required by The Organization.

#### **F. Support and Maintenance**

##### **2. Technical Support:**

- Helpdesk Support: Provide a dedicated helpdesk or support team that can assist both faculty and students with technical issues, inquiries, and troubleshooting related to the software.
- Communication Channels: Offer various communication channels such as email, phone, and live chat for users to reach out for assistance.

##### **3. Software Updates and Upgrades:**

- Regular Updates: Release patches, bug fixes, and updates to address security vulnerabilities, improve software performance, and add new features.

##### **4. Security Measures:**

- Security Updates: Stay vigilant about security threats and provide timely updates to protect against emerging risks.
- Data Protection: Implement and maintain data protection measures to safeguard sensitive student information.
- Compliance: Ensure that the software complies with relevant data privacy regulations and standards.

##### **5. Training and Documentation:**

- Training Materials: Offer comprehensive training materials, guides, and tutorials for faculty, staff, and students to become proficient in using the software.
- Onboarding: Provide onboarding sessions and training workshops for new users.



- User Manuals: Maintain up-to-date user manuals and documentation for reference.
6. **Emergency Support:**
- Develop and communicate contingency plans for handling emergencies, technical issues, or system failures that may disrupt exams, and provide emergency support during such situations.
7. **Data Backups and Disaster Recovery:**
- Implement regular data backups and disaster recovery procedures to ensure that exam data is protected and can be restored in case of data loss.

## II. TERMS AND CONDITIONS

Include any legal or contractual terms and conditions that vendors should be aware of, such as intellectual property rights, termination clauses, and payment terms.

- The successful vendor will have to depute at least one member of the developer team at Government Polytechnic, Nashik for a period of minimum one year (365 days). This member will be present full time in the campus of Government Polytechnic, Nashik and provide assistance/help/ training / resolving software bugs etc. as per the requirement of the organization.
- It would be the sole responsibility of the successful vendor to keep all information of The Organization, confidential and make sure that the examination software is foolproof to prevent any leakage of question paper, result etc.
- The Tender Inviting Authority/User Institution, without prejudice to any other contractual rights and remedies available to it (the Tender Inviting Authority), may, by written notice of default sent to the successful vendor, terminate the contract in whole or in part, if the successful vendor fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Organization.
- The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force. All disputes arising out of this bid will be subject to the jurisdiction of courts of law in Maharashtra/ High court of Maharashtra.
- If dispute or difference of any kind shall arise between the Organization and the successful vendor in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.
- The vendor shall, at all times, indemnify and keep indemnified the Organization of free of cost, against all claims which may arise in respect of goods & services to be provided by the successful vendor under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks.
- The original invoice submitted shall be in the name of the **Government Polytechnic, Nashik**.
- No advance payments will be made to the successful bidder.

The blank (with printed address) envelope for quotations is attached herewith. The quotation should be submitted in this envelope only. This envelope should seal properly and it should reach this office not later than **18/10/2023 up to 5.00 pm.**

The undersigned reserves all rights to accept or reject / cancel any or all quotations without assigning any reasons thereof.

Yours faithfully

Principal

Government Polytechnic Nashik