Design, development and implementation and maintenance of dynamic students' Alumni portal for Sreenarayanaguru Open University

REQUEST FOR PROPOSALS

1. INTRODUCTION

Sree Narayana Guru Open University invites proposals from experienced vendors and Registered startup companies for the design, development, implementation, and maintenance of a University Students' Alumni Portal. The portal should serve as an interactive and engaging platform that connects alumni with the university, current students, and fellow graduates, fostering a strong alumni network.

2. OBJECTIVE

The objective of this tender is to develop a dynamic, user-friendly, and secure Alumni Portal that facilitates networking, career development, knowledge sharing, and alumni engagement with the university.

3. SCOPE OF WORK

The scope of work includes but is not limited to

- Designing and developing a responsive and visually appealing alumni portal.
- Implementing a secure system for managing alumni profiles, updates, and communications.
- Enabling seamless user registration and authentication with secure login credentials.
- Providing features for alumni networking, job postings, mentorship programs, and fundraising initiatives.
- Ensuring data security and privacy for alumni records.
- Integrating event management tools, newsletters, and discussion forums.
- Providing SEO optimization and social media integration.
- Delivering training and user documentation for university staff.

4. PRE-QUALIFICATION CRITERIA

Prospective vendors/startups must meet the following criteria

- A minimum of 3 years of experience in web portal design and development.
- Proven experience in developing alumni engagement or social networking platforms.
- Capability to provide ongoing support, maintenance, and feature enhancements.
- Compliance with government regulations and data protection policies.
- Demonstrated ability to integrate secure payment gateways for donations and membership fees.
- A skilled team with expertise in UI/UX design, software development, cybersecurity, and data analytics.

5. PORTAL FEATURES & FUNCTIONALITIES

5.1 General Features

- Responsive and Adaptive Design: Optimized for desktops, tablets, and mobile devices.
- Secure & Scalable CMS: WordPress, Drupal, or any open-source CMS with a customizable backend.
- Multi-language Support: English & Malayalam.
- Accessibility Compliance: WCAG 2.1 and Government of India accessibility standards.
- Search Engine Optimization (SEO): Optimized for search engines with metadata and structured data.

5.2 Alumni Profile & Networking

- Alumni Registration & Profile Management: Secure signup, profile creation, and account verification.
- Searchable Alumni Directory: Filters for searching by batch, department, location, and profession.
- Messaging & Networking Features: Internal messaging system, connection requests, and alumni groups.

5.3 Career & Mentorship Features

- Job & Internship Board: Alumni and corporate partners can post job opportunities.
- Mentorship Program: Alumni can sign up as mentors and guide current students.
- Resume Upload & Job Applications: Alumni can share resumes and apply for job openings.

5.4 Event & Community Engagement

- Event Management System: Alumni can register for reunions, webinars, and university events.
- News & Updates Section: University announcements, success stories, and alumni achievements.
- Discussion Forums & Interest Groups: Thematic groups for knowledge sharing and collaboration.

5.5 Fundraising & Donations

- Online Donation System: Secure payment gateway for fundraising campaigns and scholarships.
- Sponsorship & Partnership Programs: Alumni and corporate sponsorship integration.

5.6 Security & Privacy Features

- Role-based Access Control: Admin, moderator, and alumni-specific privileges.
- Data Encryption & Secure Login: Multi-factor authentication and SSL encryption.
- GDPR & IT Act Compliance: Ensuring alumni data protection and privacy policies.

6. PREFERRED TECHNOLOGY STACK

The vendor must propose a technology stack that ensures scalability, security, and performance. Preferred technologies include

- Frontend: React, Angular, or Vue.js
- Backend: Node.js, Django, or Laravel
- Database: PostgreSQL, MySQL, or MongoDB
- Hosting: Cloud-based solutions such as AWS, Azure, or Google Cloud
- Authentication: OAuth, SAML, or LDAP-based secure authentication

7. IMPLEMENTATION TIMELINE

- Phase 1: Requirement Analysis & Design (1 month)
- Phase 2: Development & Testing (3 months)
- Phase 3: Deployment & Training (1 month)
- Phase 4: Support & Maintenance (Ongoing)

8. SUPPORT & MAINTENANCE

The vendor must provide one-year free maintenance, including

- Bug fixes and performance improvements.
- Regular security updates.
- User support and training.
- Feature enhancements based on user feedback.

9. BID SUBMISSION REQUIREMENTS

Interested vendors must submit the following doeuments

- Company Profile with past project details.
- Technical Proposal detailing the approach, technology stack, and project timeline.
- Financial Proposal with a cost breakdown for development, deployment, and maintenance.
- Compliance Statement regarding data security and accessibility standards.
- References from previous clients in the education sector.

10. EVALUATION CRITERIA

Bids will be evaluated based on the following criteria

- Technical Competency (40%) – Proposed solution, security, and scalability.
- Experience & Past Work (20%) – Relevant projects and expertise.
- Cost Effectiveness (20%) – Value for money.
- Support & Maintenance (10%) – Commitment to post-deployment support.
- Innovation & Additional Features (10%) – Unique features enhancing alumni engagement.