TENDER QUOTATION PROPOSAL

For: Rayalaseema University Website Development & Maintenance   Date: 14/08/2025

Reference No.: RU/IT-Website Dev/2025-26

1. Scope of Work

This tender proposal includes the design, development, deployment, and maintenance of the Rayalaseema University Website, ensuring a modern, user-friendly, and secure platform with the following key features:

- UI/UX Design & Branding
- Content Management System (CMS) Integration
- Departmental Pages (Dedicated sections for each academic department)
- Student & Faculty Portal (Login, Course Management)
- Library & Research Section (E-Resources, Publications, Digital Repository)
- SEO & Security Implementation (SSL, Data Encryption, Role-Based Authentication)

2. Cost Breakdown

A. Website Design & Development

Item	Description	QUTED Price in Rupees (Inclusive all tax)
UI/UX Design	Custom website layout & branding	
Front-End Development	Responsive design using HTML, CSS, JavaScript (React.js/Angular)	
Back-End Development	Secure CMS & Database Integration (Node.js/PHP + MySQL)	
Student & Faculty Portal	Login, Course Management, Exam Results	
Library & Research Section	E-Resources, Research Publications, Digital Repository	
SEO & Optimization	Google Indexing, Accessibility, Multi-Language Support	
Security Implementation	SSL, Data Encryption, Role-Based Authentication	
Website Testing & Debugging	Performance & Security Testing	

Total Development Cost:

3. Payment Terms

- Please specify your payment terms and conditions in detail

4. Development Timeline & Phases

Total Estimated Project Duration should be within (1 Month)

Phase	Task	Revised Duration
Phase 1	UI/UX Design & Approval	
Phase 2	Front-End & Back-End Development	
Phase 3	Testing & debugging	
Phase 4	Deployment & Security Setup	
Phase 5	Training & Handover	

- UI/UX design, database setup, and front-end development will run concurrently.
- Continuous testing alongside development to reduce debugging time.
- Multiple developers working on different modules simultaneously.
- Security and optimization are done alongside development instead of after.

5. Terms & Conditions

- Please specify your general terms and conditions

6. Support & Maintenance

- Need Annual Maintenance Contract (AMC) for Regular content updates and bug fixes.
- Need technical Support: 24/7 support for issue resolution.
- Performance & Security Monitoring: SEO and security audits every 6 months.

7. Contact Information

For any queries or clarifications, please contact:

Email: registrarru@gmail.com
Phone:

Note: Enclose this financial bid information in sperate cover

Website Requirement Specification (WRS) for Rayalaseema University

This Website Requirement Specification (WRS) outlines the functional and technical requirements for the Rayalaseema University Website, ensuring a modern, user-friendly, and secure platform for students, faculty, researchers, and administrative staff.

1. Introduction

Rayalaseema University aims to develop a comprehensive, accessible, and secure digital platform that enhances academic, administrative, and research-related interactions. The new website will feature:

- Enhanced navigation for ease of use.
- Mobile responsiveness for better accessibility.
- Seamless integration of student, faculty, and department portals.

2. Website Objectives

- User-Friendly Design: A responsive and easy-to-navigate interface.
- Efficient Content Management System (CMS): Quick content updates for university announcements, news, and events.
- Academic & Administrative Portals:Dedicated sections for students, faculty, and departments.
- Library & Research Portal: Access to publications, research papers, and digital learning materials.
- Security &Compliance: SSL encryption, data authentication, and secure role-based access.
- SEO & Accessibility Optimization: Google search engine optimization and WCAG 2.0 accessibility compliance.

3. Website Structure & Features

3.1 Home Page

- Overview of Rayalaseema University
- Latest News & Updates
- Academic Announcements & Notifications
- Quick Access Links (Admissions, Exam Results, Research, Library)
- Contact Information & Social Media Links

3.2 About Us

- University History & Establishment
- Vision & Mission Statement
- Vice Chancellor's Message
- University Administration & Governance
- Accreditations & Recognitions

3.3 Academic Structure

College& Departments

1. **College of Science**
   - Department of Botany
   - Department of Zoology
   - Department of Chemistry
   - Department of Physics
   - Department of Mathematics
   - Department of ORSQC
   - Department of Biotechnology
   - Department of Computer Science

2. **College of Arts, Commerce & Management**
   - Department of Commerce
   - Department of Business Administration (MBA)
   - Department of English
   - Department of Telugu
   - Department of Economics

3. **College of Engineering**

- Department of Computer Science & Engineering
- Department of Electronics & Communication Engineering
- Department of Civil Engineering
- Department of Mechanical Engineering
- Department of Artificial Intelligence

Academic Programs

- Undergraduate (UG) Programs
- Postgraduate (PG) Programs
- Research & Ph.D. Programs
- Academic Regulations & Curriculum

3.4 Departmental Pages

Each department will have a dedicated page with the following features:

- Department Overview & Objectives
- Faculty Profiles & Contact Information
- Research & Publications
- Course Offerings & Syllabus Downloads
- Departmental News & Events
- Student Achievements & Alumni Highlights

3.5 Admissions Section

- Online Application Process
- Admission Guidelines & Eligibility Criteria
- Course-wise Fee Structure
- Scholarship & Financial Aid Information
- Downloadable Prospectus

3.6 Student & Faculty Portal

- Student Dashboard
- Profile & Course Details
- Attendance & Assignment Submission

- Faculty Dashboard
- Profile & Research Contributions
- Course Materials Upload & Sharing

3.7 Library & Research Section

- Online Public Access Catalog (OPAC)
- Research Papers & Digital Publications
- E-Resources, E-Journals, and Digital Books
- Library Membership Information & Timings

3.8 University Administration & RTI (Right to Information)

- University Governance & Policies
- RTI Information & Public Disclosures
- Annual Financial Reports & Budget Allocations

3.9 Alumni Network

- Alumni Registration & Networking Portal
- Alumni Achievements & Career Success Stories
- University Alumni Events & Meetups

3.10 Contact Us Page

- University Address & Location Map
- Departmental Contact Details
- Online Inquiry & Support Request Form

4. Technical Requirements

4.1 Front-End Technologies

- HTML5, CSS3, JavaScript – Ensuring a responsive UI/UX.
- React.js or Angular – For an interactive and dynamic interface Bootstrap/Tailwind .
- CSS – Optimized for mobile-friendly and fast-loading pages.

4.2 Back-End Technologies

- Node.js / PHP – Secure and scalable backend architecture.

- MySQL / PostgreSQL – Reliable database management system.
- CMS Integration – WordPress or a custom CMS for content updates

4.3 Security & Compliance

- SSL Encryption – Secure HTTPS communication.
- Role-Based Access Control (RBAC) – Restricted access for admin, faculty, students, and departments.
- Automated Data Backups – Daily and weekly backup systems

5. Performance & Accessibility

- SEO Optimization – Higher search engine rankings for better visibility.
- Multi-Language Support – English & Telugu integration.
- WCAG 2.0 Accessibility Standards – Ensuring usability for users with disabilities

6. Hosting & Deployment

- Cloud Hosting: AWS, Digital Ocean,Hostnger or Big Rock hosting solutions.
- Content Delivery Network (CDN): Faster page load speeds and improved performance

7. Development Timeline & Phases

Phase	Task	Duration
Phase 1	UI/UX Design & Approval	
Phase 2	Front-End & Back-End Development	
Phase 3	Testing & debugging	
Phase 4	Deployment & Security Setup	
Phase 5	Training & Handover	
Total Estimated Project Duration		**4 Weeks**

Total Estimated Project Duration: 4 Weeks (1 Month)

- Parallel Execution: UI/UX design, database setup, and front-end development will run concurrently.
- Agile Development Approach: Continuous testing alongside development to reduce debugging time.

- Dedicated Team: Multiple developers working on different modules simultaneously.
- Pre-Deployment Checks: Security and optimization are done alongside development instead of after.

8. Support & Maintenance

- Annual Maintenance Contract (AMC): Regular content updates and bug fixes.
- Technical Support: 24/7 support for issue resolution.
- Performance & Security Monitoring: SEO and security audits every 6 months.

9. Ownership & Copyright

Rayalaseema University will retain full ownership of the website, content, and source code. The vendor will provide detailed documentation and administrator training post-deployment.