

(1)

Expression of Interest (EOI)
For
Design, Development &
Maintenance
of
University Dynamic
Website

Last date of submission of EOI : 30/09/2021



M.P. Bhoj(Open) University, Bhopal (MP)
(A State Open University)
[Website: <http://mpbou.edu.in>]

Tel : (0755) 2492093, E-mail: registraroffice.mpbou@gmail.com

Expression of Interest (EOI) for Design, Development & Maintenance of University Website Portal

M.P. Bhoj (Open) University, Bhopal (M.P.) invites Expression of Interest (EOI) for Design, Development & Maintenance of University Website for University. The abbreviation for M.P. Bhoj (Open) University, Bhopal be used as MPBOU whenever, wherever required.

Invitation for the Expression of Interest is for selection of the firm capable of creating website of MPBOU as specified in the scope of work and in accordance with the terms and conditions.

Introduction :

M.P. Bhoj(Open) University, Bhopal, one of the major institution of higher education in Madhya Pradesh, is devoted to the distance learning in various disciplines. It is widely known for excellence in teaching, research and for well qualified, specialized, dedicated faculties. The university is having its 11 Regional Centers and more than 500 Study Centres across Madhya Pradesh.

The University offers a wide panorama of teaching-learning like basic sciences, arts, humanities, applied sciences, commerce, computer, management education etc. The university is imparting education of undergraduate and postgraduate programmes.

Objectives:

- To enhance the overall look and feel of the website.
- To integrate easy to use content management system for easily managing overall content of the website.
- To develop role based access management system to provide secured, restricted access to different stake holders.
- To provide information to citizens with minimum number of clicks.
- To make it easy to use for citizens by providing latest updates, important events on the home page itself and by providing within Site Search feature.
- To restructure content of the website to make it disabled friendly so that the available information is easily accessible to people with disability.
- To make site accessible on all platforms like all major browsers (e.g. internet explorer, Mozilla Firefox, Google chrome), disabled specific devices.
- To ensure compliance with “Guidelines for Indian Government Websites (GIGW)”.
- To develop Bi-lingual Website with English & Hindi Version and to ensure that Hindi content is universally accessible by using Unicode compliant font.
- To get Safe to Host Certificate from cert-in empanelled auditor.
- To get GIGW Compliance Audit Certificate from Standardization Testing and Quality Certification (STQC) Directorate.

Scope of the Work:

The site design must be cross-browser and cross-OS compatible up to the most recent browser / OS versions. Support for three platforms: Desktop/Tablet or Notebook and Mobile form factors will be required.

(A) Functionalities Required:

The website will be based on a Web Content Management System. Facility to update content by multiple users from anywhere through browser based administrative module using WYSIWIG editing tools allowing non-technical users to create and edit content.

| | |
|---|---|
| 1 | Separation of Design and Content – content to be stored in the database and designed to be controlled by the use of cascading style sheet (CSS). Separate CSS for use with Internet Browsers and Mobile Browsers. |
| 2 | The WCMS shall have the ability to expand a single implementation (one Installation on one server) across multiple domains, depending on the server's settings. |
| 3 | The WCMS software shall be able to include plugins or modules that can be easily installed to extend the site's functionality. |
| 4 | WCMS and GIGW based system should support user Groups, allowing the administrator to control how registered users interact with the site. A page on the site can be restricted to one or more groups. |
| 5 | The WCMS and GIGW based site shall be able to create microsites/web portals for various departments / resource centres within a main site as well. |
| 6 | WCMS and GIGW based software shall act as a Collaboration platform allowing content to be retrieved and worked on by one or many authorized users. Changes can be tracked and authorized for publication or ignored reverting to old versions. It shall allow multiple users to modify (or comment) a page at the same time in a collaboration session. |
| 7 | Automated templates shall be provided which are customizable. |
| 8 | WCMS and GIGW based should allow administrator to set up rules for workflow management, guiding content managers through a series of steps required for each of their tasks. |
| 9 | Admin section must be protected by username and password and using salted MD5 encryption. At database level password should be stored in encrypted format. After consecutive wrong attempts the password should be sent to administrator through email. |

| | |
|----|--|
| 10 | The interested party will provide an operational guarantee on the WCMS and GIGW based designed and also provide support for at least 5 years after the launch of our website so that modification can be made by vendor, if University finds that WCMS and GIGW based website is not fulfilling our needs or if further improvements are required. |
| 11 | Each link created by admin should specify the title of page and admin should have provision for entering date by which the link may expire. The default shall never expire. |
| 12 | Dynamic News/Events/Notification Management System: Facility to manage Departmental News/Events/Notification through an administrative control panel. Administrator can upload pictures to their events. Also can add Caption to the pictures, facility to search news via a strong search engine, Facility to manage news /event write-up /contents by multiple users from anywhere |
| 13 | Dynamic Photo gallery /Video Management System: Facility to manage photo gallery via an administrative control panel, facility to create photo gallery category dynamically. i.e. add/edit/delete photo gallery categories, facility to upload new pictures to these categories along with caption, facility to manage pictures and caption. |
| 14 | Approval process – Ability to create a new page with formatted content, send it for approval and publish it on the site after approval. |
| 15 | User Management – Ability to create users, centres, students, Faculty / Department and define permissions for approval within a section. |
| 16 | Database Management – Ability to create new database and user interface to display dynamic content from the database. |
| 17 | Menu Management – Ability to add, move, delete, modify menus on the site. |

| | |
|----|--|
| 18 | Multi-lingual content – Ability to create content in multiple languages(English and Hindi both are must). It is expected that the basic site will be in English and Hindi. If content is not translated, the link should show English content by default. Ability to add more languages in future. |
| 19 | Programming & Database Features: i. Unlimited MySQL Database with php My Admin Access ii. Programming Language CGI, Fast CGI, PHP , Ruby on Rails, Perl, Python SSI iii. Programming Modules: Curl, CPAN, G D Library ImageMagick iv. System Management: SSH Access and Cron job Scheduling |
| 20 | Control Panel Features: i. Latest cPanel Control Panel ii. Website statistics, AWStats, Webalizer Raw-Log Manager Referrer & Error Logs iii. Portals Forums Counters Form mail iv. Password Protected Directories and Custom Error Pages v. Web Based File Manager Hotlink Protection vi. IP Deny Manager, Redirect URL |

(B) Security:

The website should allow secured socket layer. The website shall be security audited according to OWASP (Open Web application Security Project) application security verification standard. However, SQTC Certification is mandatory as the guidelines of Govt. of India for quality and security purpose.

(C) Maintenance of the Website and De-bugging.

Vendor has to do the maintenance of the Website for a period of one year from the date of Commissioning of the website, which will include de-bugging of the website on their own as well as when reported. This maintenance will be considered part of the implementation process. On successful completion of the one year period, the Vendor may be awarded the Annual Maintenance Contract for the website on payment basis.

(D) Scalability:

The website shall be capable of incorporating the ERP ~ IUMS (shortly to be implemented in M.P. Bhoj(Open) University, Bhopal) generated data from the ERP-IUMS server through scaling / expansion.

(E) Access to Visually Impaired:

The contents of the website should be readable using any Screen access Reader Software to the Visually Impaired users.

(F) Training:

Extensive training should be undertaken for users at M.P. Bhoj(Open)

University, Bhopal to handle web content related to their Department/Faculty etc. Additionally a separate training should be done for web administrators.

(G) Facility, Webpages, Icons and Features required in new Website: Basic requirements of menu-option, icons and webpages :-

Facilities/Menu options as available on our existing website <http://mpbou.edu.in> which must be preserved in new website/portal. The list of these is in following table:

| | |
|------------------------|---|
| The University | Our Profile, Vision, Objective, Founder, Our Predecessors, IQAC, List of Holidays, University Map, Google Map, News Mandatory Disclosure, Act, Ordinance |
| Administration | Visitor, Chancellor, Vice Chancellor, The Court, Executive Council, Academic Council, Finance Committee, Registrar, Controller of Examination, Finance Officer, Proctor, Deans, Directors, Heads, Administrative Staff, Other Councils / Committees / Cell / Bodies |
| Academics | Schools, Departments, Faculty, Courses (Ph.D., PG, UG, Diploma, Certificate), Syllabus, Fee Structure, Eligibility, Scholarships, Seminar, Symposiums, Conferences, Workshops, Refresher, Orientations, Distance Education, Academic Calendar, List of Holidays |
| Examination | Admission Procedure, Notifications, Entrance, Result, Counseling, Examination Schedule / Time table, Examinations & Result , Admit Card , Duplicate Identity Card |
| Research & development | Research Papers Publications, Research Projects, Book Published , Achievements , Awards, Recognitions |
| Amenities | Admission Cell , Computer Centre / I. T. Cell , Guest House , Sophisticated Instrumentation Centre(SIC), EMRC, Population Research Centre (PRC), Institute of Distance Education, Minority Remedial Coaching Centre |
| Alumni | Alumni management system |
| Others | Notice , News , Latest Update, Download , Gallery, Tender, Recruitment / Career, Contact us, Contact Directory,, How to reach, Online Payment, Log-in area. |

(M.1) Additional Facilities & Features:

| | |
|----|--|
| 1 | Facility of Secured log-in based control panel to Internal members (Officers/Faculty/ Departmental/Section users/ Micro sites) |
| 2 | Internal Members Role Based Access Management Module |
| 3 | Content Management System (CMS) |
| 4 | Bilingual Management Module Development |
| 5 | Hit Counter |
| 6 | Remote Publishing facility with FTP |
| 7 | Hosting of web portal with domain name "mpbou.edu.in" |
| 8 | Details of Teachers profile and other staff profile |
| 9 | University Journals including submission, status, author, review and chief editor pages. |
| 10 | Budget section |
| 11 | Vacant Positions |
| 12 | Research output and Success Stories Module |
| 13 | Provision for linking with UMS |
| 14 | Faculty Corner |
| 15 | Administrative Staff Corner |
| 16 | Employee Corner |
| 17 | Student Corner |
| 18 | Alumni Corner |
| 19 | Affiliated Colleges Corner |
| 20 | University /College examination & corner |
| 21 | CIQA |
| 22 | NAAC |
| 23 | NEP 2020 |
| 24 | Technical Support for implementation & maintenance |
| 25 | OnSite/Online training |
| 26 | Any other online application tools requested during development) |

(M.2) Information Searching

Search Engine Optimization

Within Site Search

Achieve Search

(M.3) Micro Website Management

| | |
|----|---|
| 1 | Common Modules for University & Departments |
| 2 | Teaching Departments Management |
| 3 | Resource Centres / Cells / Sections Management |
| 4 | Periodicals/Journals Management |
| 5 | Admission Cell |
| 6 | RTI Cell |
| 7 | DCDC (Director College Development Council/Committee) |
| 8 | Placement Cell |
| 9 | Alumni |
| 10 | Convocation |
| 11 | Store & Purchase (Tender) |
| 12 | Recruitment Cell (Career) |
| 13 | Institute of Distance Educations |
| 14 | Webinar / Videoconferencing Module |
| 15 | Central Library |
| 16 | UGC - HRDC / ASC |
| 17 | IQAC |

(M.4) Online Data / Information Submission Facility

Online information submission in each page or specified by the university

(M.5) Quality & Security

- I. Data Backup / Achieve Management
- II. Old Data Restore / Access

(M.6) Security Certifications

- I. Safe to Host Certificate
- II. GIGW Compliance Audit Certificate from STQC

(M.7) QUICK - LINKS

- I. UGC-HRDC

- II. E-Resources / e- Journals
- III. NIRF
- IV. Library
- V. Annual Account & Report
- VI. International Yoga Day
- VII. Institutional Repository
- VIII. National Digital Library (NDL)
- IX. Earthworms of India
- X. Manuscript Resource Centre (MRC)
- XI. University Digital Repository

(M.8) EXTERNAL LINKS:

- I. UGC
- II. MHRD
- III. Dept. of Science & technology
- IV. Dept. of Biotechnology
- V. State University Portal
- VI. CU VCs discussion page
- VII. AICTE
- VIII. INFLIBNET
- IX. CSIR
- X. Central Govt. E-Procurement Portal
- XI. MPCST
- XII. MP-ONLINE
- XIII. Links to Social Media
- XIV. Any other approved during development process and later on.

Deadline for Submission:

The EOI must be received by **30/09/2021** at the address specified not later than 1700 hrs by Registered post/Speed post only at the last date mentioned. In the event of the specified last date for the submission of EOI being declared a university holiday, the EOI will be received up to the appointed time on the next working day.

Sealed EOI prepared in accordance with the procedures enumerated in EOI document should be submitted to the following address on & before 17:00 hours IST on Last date to receive at **(by registered post / speed post only)** :

**Registrar
M.P. Bhoj(Open) University,
Kolar Road, Bhopal, MP, -462016**

Note : After approving the EOI submitted by the interested firm, a presentation would also be arranged to examine the appropriateness of the EOI.