GeM Bid No.: **GEM/2021/B/1742418**, dated :**03-01-2022**

<u>Design, Development, Implementation, and Maintenance of Websites, Web Portal, Web-Enabled Application and Mobile Apps</u>

Website Development Specifications

Scope of Work

- User Requirements and Data Collection from all departments.

- Understanding existing website and enhance the features in the new application.

- System Analysis, Design and Documentation.

- Content migration and Web design and Development.

1. **Design and Development**

2. **Content Management**

3. **Search Engine Optimization**

4. **Security Audit**

5. **Technologies and Development Platform**

6. **Admin Functionality**

7. **Support and Maintenance**

1. **Design and Development**

- The website has to be developed based on Open Standards.

- Page Layout, Graphic Buttons and Icons are to be in standard format.

- Dynamic Website with Responsive Design, Browser and Device Compatibility Design (Mobile Compatibility), Divyangjan and User Friendly.

- Site should have standard features such as Photo Gallery and Feedback.

- Support for Payment Gateway and SMS Gateway Integration. IMU will provide API for Payment & SMS Gateway.

- Support for Social Media Integration, if required. Feature to be added in Website. IMU will maintain the updation of the same.

2. **Content Management**

- Using Content Management System, the site should provide secure access to authorized officers of IMU for maintaining the pages for which they are responsible.

- Contents in English and the feature for conversion to Hindi and other national or international languages, in future, is to be incorporated as per the GIGW guidelines. At present, the Website must support both English and Hindi Languages. Hindi or other languages content should be in Unicode format. IMU will provide English & Hindi content.

- The independent websites of IMU campuses are to be integrated with the same Content Management System to be developed for IMU – HQ.

- Circulars, Tenders, Events, Gallery published in each campus may also be linked in IMU website suitably.

- Each campus should have a separate subdomain or section in IMU website.

- Independent website maintained by IMU campuses may be retained as campus page of IMU website, instead of duplicating the contents.

- Each campus can be given separate access to make periodical updates, while IMU – HQ will be the administrator to control all the data / program.

- Faculty and officials details of all campus / HQ are to be maintained suitably.

- In the faculty details, email id, area of expertise, research publications and photo are to be displayed in campus sites and Officers / Staff details in campus and HQ pages.

- Easy Provision to move the records to archive section and retrieval.

- Videos of events and functions held in IMU HQ and Campuses are to be uploaded in YouTube under secured login and be linked in website.

- Latest News, Announcements, Event Notifications to be displayed in home page.

- Separate page for information related to the Affiliated Colleges.

- Approved predefined forms to be given in Downloads section.

- Links to other Indian Government websites to be given.

3. **Search Engine Optimization**

- Site should have good Search Interface. Search Engine Optimization need to be done.

- Home Page to be optimized for faster opening.

4. **Website Compliance to Guidelines/ Standards:**

- Guidelines for Indian Government Websites (GIGW)

- Web Content Accessibility Guidelines (WCAG) 2.0 or Above

- W3C XHTML & W3C CSS Standards

- Rights of Persons with Disabilities Act 2016 of India

- IT Act of India

- Aadhaar Act of India

- Security as per the Cert-IN (Indian Computer Emergency Response Team) Guidelines based on Open Web Application Security Project (OWASP) vulnerabilities

5. **Security and Privacy**

- Site should be in compliance with Security Audit and certified for hosting by a CERT-IN empaneled agency. Website Security Audit Cost will be borne by IMU.

- Site is to be GIGW, OWASP and W3C compliant.

- SSL & TLS Certification for the website need to be obtained.

6. **Technologies and Development Platform**

- HTML5, CSS3, Bootstrap, PHP, MySQL, PostgreSQL, JavaScript and jQuery.

7. **Admin Functionality**

- IMU – HQ will be the administrator to control all the data.

- Complete Log Management of the website needed.

8. **Support and Maintenance**

- Technical Support should be provided by the vendor (If required).

- One Day Training to be given to all the relevant users of all the campuses for Content Management System.