

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

Ministry/Division	University Grants Commission of Bangladesh (UGC)
Organization	Bangladesh Medical University (BMU)
Procuring Entity Name	Bangladesh Medical University (BMU)
Expression of Interest for Selection of	Individual Consultant (National) (Time-Based)
Title of Service	Consultant for software and website maintenance for patient services and research
EOI Ref. No.	BMU/PIN1/2256/S-05

KEY INFORMATION

Selection Method	Individual Consultant Selection (ICS)
Market Approach	Single Source Selection (SSS)
Type of Procurement	Direct Selection

FUNDING INFORMATION

Budget and Source of Funds	World Bank
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PARTICULAR INFORMATION

Name of the Project	Higher Education Acceleration and Transformation Project (HEAT)
Project Title (Sub-component)	Building a Modern Clinical Pharmacology Education System: Infrastructure Enhancement, Evidence-Based Training and Research Integration in Pharmacology
Project Identification No. (PIN)	12256
EOI Closing Date and Time	23.08.2028 (2:00pm)

Application Place:

Interested candidates may submit their EOI, along with all required documents, either:

- By hand to the Sub-Project Manager (SPM), **Room No. 1105, 10th Floor, OPD-2, Department of Pharmacology, Bangladesh Medical University (BMU), Shahbag, Dhaka-1000**; or
- By email to 'heatproject12256@gmail.com'.

Applications must be received on or before the EOI closing date and time.



Bangladesh Medical University

Department of Pharmacology

Faculty of Basic Science and Para Clinical Science

HEAT Project, PIN-12256 of UGC, Bangladesh



A. Background

The Higher Education Acceleration and Transformation (HEAT) Project, implemented by the University Grants Commission (UGC) under the Ministry of Education and financed by the Government of Bangladesh (GoB) and the World Bank, aims to enhance the quality, equity, and relevance of higher education in Bangladesh. The project is a strategic response to the national vision of transitioning to a knowledge-based economy by strengthening the capacity of higher-education institutions to meet international standards and emerging societal needs.

Under this initiative, the Department of Pharmacology at Bangladesh Medical University is implementing a sub-project titled *"Building a Modern Clinical Pharmacology Education System: Infrastructure Enhancement, Evidence-Based Training, and Research Integration in Pharmacology."* This sub-project is designed to strengthen clinical pharmacology education and translational research capacity through the integration of laboratory services, patient-oriented research, and advanced analytical platforms.

A key focus of the project is the establishment and operationalization of Therapeutic Drug Monitoring (TDM) services and support for bioequivalence and clinical pharmacokinetic studies, which require a secure digital infrastructure, efficient patient information management systems, and reliable integration of clinical and laboratory data.

To support the digital transformation of patient services and research activities, the project intends to engage a **consultant for software and website maintenance for patient services and research**

B. Objectives

The **primary objective** of this assignment is to develop, implement, maintain, and support software applications, web-based platforms, and digital information systems that facilitate patient services, clinical research, Therapeutic Drug Monitoring (TDM), and laboratory data management within the Department of Pharmacology.

The specific objectives are as follows:

- Maintenance of software applications for patient service and research activities.
- Maintain a secure website for the dissemination of project information and management of patient and research services.
- Manage electronic patient registration, appointment scheduling, and research data management systems.

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Dr. Elora Sharmin
MBBS, MPH, MD. (Pharmacology)
Associate Professor
Department of Pharmacology
Bangladesh Medical University
Shahbag, Dhaka-1000



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- Ensure secure storage, backup, and retrieval of clinical and laboratory data while maintaining data confidentiality.
- Integrate digital systems supporting TDM, bioequivalence, and laboratory workflows.
- Ensure system reliability through maintenance, troubleshooting, and software updates.
- Implement appropriate cybersecurity measures and user-access controls.
- Support digital documentation and workflow automation for research activities.

C. Scope Of Services, Tasks, and Expected Deliverables

The Consultant will undertake, but not be limited to, the following tasks:

1. Software Maintenance

- Design, customize, and maintain software for patient service and research management.
- Develop modules for patient registration, appointment management, research participant tracking, and report generation.

2. Website Maintenance

- Maintain an official project website.
- Update website content regularly in coordination with the project team.

3. Database Management

- Design and maintain secure databases for patient records and research information.
- Maintain dashboards and reporting tools for project monitoring and decision-making.

4. System Integration and Technical Support

- Support integration of software systems with laboratory workflows, including HPLC, LC-MS, TDM, and bioequivalence research data management.
- Coordinate with laboratory personnel and researchers to identify digital requirements and implement appropriate solutions.

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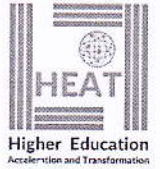


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D. Qualifications And Experience

1. Academic Qualifications

- Minimum Bachelor's degree in Computer Science and Engineering (CSE), Information Technology (IT), Software Engineering, Computer Science, or a related discipline from a recognized institution.

2. Professional Experience

- At least one (1) year of professional experience in software development, website development, database management, or information systems.
- Experience working with healthcare, hospital, laboratory, or research information systems will be considered an advantage.

3. Skills and Competencies

- Proficiency in web technologies (HTML, CSS, JavaScript, PHP, Python, ASP.NET, Laravel, Django, React, or equivalent).
- Knowledge of software development life cycle (SDLC) and version-control systems.
- Ability to develop user-friendly interfaces and digital workflow solutions.

E. Reporting Requirements

The Consultant will be required to submit:

- Monthly progress reports detailing software website maintenance.
- Periodic reports on system performance, maintenance, and database management.
- Final report summarizing software systems developed, maintenance activities, website performance, and overall project contributions.

F. Duration Of Assignment

The assignment will be conducted over a period from **August 2026 to September 2027** on a full-time basis. Continuation of the contract will be subject to satisfactory performance and project requirements.


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G. Duty Station

The Consultant will be based at the **Department of Pharmacology, Bangladesh Medical University, Dhaka**. The role is primarily site-based; however, occasional coordination with other departments or facilities may be required.

H. Institutional Arrangement

The Consultant will work under the direct supervision of the **Sub-Project Manager (SPM)** and/or **Additional Sub-Project Manager (ASPM)** of the sub-project. The Consultant will closely coordinate with:

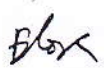
- Clinical faculty and physicians
- Laboratory personnel
- Project Implementation Unit (PIU)
- Other relevant stakeholders

I. Selection Procedure

The Consultant will be selected following the **Individual Consultant Selection (ICS)** method in accordance with the **Public Procurement Rules (PPR), 2025** and HEAT Project guidelines.

J. Remuneration

Remuneration will be provided in accordance with **UGC HEAT Project 12256**.


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