



MEMORANDUM OF UNDERSTANDING
Between
Grand Asian University Sialkot (GAUS)
&
Islam Teaching Hospital, Sialkot (ITH)



This Memorandum of Understanding (MoU) is entered into on this **15 October 2024**, between:

Grand Asian University, Sialkot (GAUS), a Chartered University established by the Government of Punjab, Pakistan, vide Notification No. PAP/Legis-2(142)/2021/2713 dated December 24, 2021, duly recognized by the Higher Education Commission (HEC) of Pakistan, with its main campus located at 07 KM Pasrur Road, Sialkot, Punjab, Pakistan, represented by Prof. Dr. Mujahid Kamran, Vice Chancellor, hereinafter referred to as the **"First Party"**.

AND

Islam Teaching Hospital (ITH), a recognized tertiary-care teaching hospital affiliated with Islam Medical College Sialkot, registered with the Pakistan Medical and Dental Council (PMDC), approved by the Punjab Healthcare Commission, and located at Pasrur Road, Sialkot, Pakistan, represented by Dr. Tanveer Islam, Director, hereinafter referred to as the **"Second Party"**.

Both institutions, hereinafter collectively referred to as the **"Parties"**, recognizing the importance of integrating engineering innovation with healthcare practice, and supporting student learning through real-world hospital exposure, hereby agree to the following terms and conditions:

CLAUSE I: OBJECTIVES

- a. To establish the collaborative for internship program for the graduates of GAUS.
- b. To extend medical facilities on discounted rates to the faculty members & Employees of GAUS.
- c. To Share resources of Hospital, with faculty members for Research & Development activities.
- d. To establish and strengthen collaboration for the STEM (Science Technology, Engineering & Mathematics) and Allied Health Sciences fields.
- e. To facilitate clinical, technical, and operational training for faculty and students at Islam Teaching Hospital.
- f. To develop a framework for capacity building, technological innovation, and research in hospital-based biomedical systems.
- g. To promote joint workshops, training sessions, and research in the areas of hospital technology, biomedical instrumentation, and healthcare automation.
- h. To enhance healthcare quality and efficiency through engineering support, maintenance, and innovation.

CLAUSE II: SCOPE OF COLLABORATION

- a. Provision of clinical exposure and hospital-based internships for Biomedical Engineering students of GAUS at ITH.





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- b. Access to hospital laboratories, biomedical equipment rooms, and diagnostic facilities for academic and research training.
- c. Joint curriculum development and PEC documentation support for the Biomedical Engineering Program.
- d. Organization of technical seminars, workshops, and industrial visits on biomedical and healthcare technologies.
- e. Joint supervision of final-year design projects, capstone work, and student theses relevant to hospital systems.
- f. Development of simulation-based learning environments to train students in hospital-grade medical equipment handling and maintenance.

CLAUSE III: R&D AND TECHNOLOGY COLLABORATION

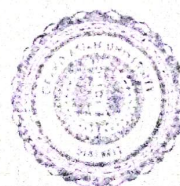
The Parties agree to establish collaborative research and technology transfer mechanisms in the following areas:

- a) Biomedical instrumentation, calibration, and preventive maintenance systems.
- b) Hospital automation technologies, including smart monitoring and asset management systems.
- c) Medical imaging and diagnostic device interfacing for training and innovation.
- d) Clinical engineering solutions to improve patient safety and equipment reliability.
- e) Energy efficiency and sustainability projects in hospital infrastructure (HVAC, sterilization, waste management).
- f) Joint student projects addressing hospital-based technical challenges, co-supervised by GAUS and ITH experts.
- g) Output from such collaborations may include joint publications, patents, prototypes, or startup concepts, owned jointly under mutually agreed terms.

CLAUSE IV: RESPONSIBILITIES OF THE PARTIES

GAUS shall:

- a) Nominate eligible students and faculty for training and collaborative programs.
- b) Ensure that all activities conform to PEC and HEC standards of engineering education.
- c) Provide academic oversight, curriculum support, and technical mentorship for Biomedical Engineering students.
- d) Offer university laboratories and research facilities for co-supervised R&D work.
- e) Facilitate ethical compliance, safety training, and data management in accordance with institutional guidelines.





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ITH shall:

- a) Provide access to hospital facilities, biomedical labs, diagnostic and operation units for structured student training.
- b) Support internships, shadowing programs, and technical demonstrations under supervision of biomedical and clinical staff.
- c) Facilitate equipment familiarization sessions and exposure to hospital technology workflows. Assist in research validation, device testing, and field deployment of biomedical innovations.
- d) Participate in joint capacity-building initiatives and provide feedback to GAUS for continual academic improvement.

CLAUSE V: COORDINATION & COMMUNICATION

Coordination and follow-up of this MoU shall be carried out through:

- The Office of Research, Innovation & Commercialization (ORIC), GAUS, and
- The Biomedical Engineering and Technical Affairs Division, Islam Teaching Hospital.

These offices shall jointly oversee program execution, maintain communication between the institutions, and conduct periodic performance reviews.

CLAUSE VI: FINANCIAL TERMS

- a) Each Party shall bear its own costs related to staff, students, logistics, and facilities unless otherwise agreed in writing.
- b) Specific research, development, or infrastructure projects may be jointly funded or grant-supported under mutually approved budgets.

CLAUSE VII: INTELLECTUAL PROPERTY & CONFIDENTIALITY

- a) All Intellectual Property (IP) generated through joint research or innovation shall be governed by a separate IP agreement, outlining ownership, licensing, and benefit-sharing.
- b) All data, documents, or materials exchanged between the Parties shall remain confidential and shall not be disclosed to third parties without prior written consent.

CLAUSE VIII: DURATION & TERMINATION

This MoU shall remain valid for a period of three (03) years from the date of signing and may be renewed upon mutual consent.



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Either Party may terminate this MoU with three (03) months' written notice, provided that ongoing academic or research activities are completed or appropriately transitioned.

CLAUSE IX: MODIFICATIONS & ADDITIONAL AGREEMENTS

Any amendments, modifications, or new collaborative frameworks shall be made in writing and duly signed by both Parties.

Specific operational or research agreements may be executed separately under this MoU for defined purposes such as PEC submissions, joint research, or internship protocols.

SIGNATURES

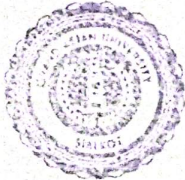
This MoU is executed in two (02) original copies, one for each Party, both having equal legal effect.

For Grand Asian University, Sialkot (GAUS):

For Islam Teaching Hospital, Sialkot:

Prof. Dr. Mujahid Kamran
Vice Chancellor

Dr. Tanveer Islam
Director



Dated: 15th October, 2024



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- d. To establish and **strengthen collaboration for the STEM** (Science Technology, Engineering & Mathematics) and **Allied Health Sciences** fields Biomedical Engineering Program at GAUS under Pakistan Engineering Council (PEC) guidelines.
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Registrar

Draft MoU with sister concern institution is PU for approval, please.

Chairman BOG.

20/10/24

Signed



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CLAUSE II: SCOPE OF COLLABORATION

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Vice Chancellor

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Signature: _____

Signature: _____

Dated: 15th October, 2024