



MEMORANDUM OF UNDERSTANDING
Between
Grand Asian University Sialkot (GAUS)
&
Islam Dental College, Sialkot (IDC)



This Memorandum of Understanding (MoU) is entered into on this **15th 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 Dental College (IDC), a recognized medical institution registered with the *Pakistan Medical and Dental Council (PMDC)* and affiliated with the University of Health Sciences, Lahore, located at *Pasrur Road, Sialkot, Pakistan*, represented by Prof. Dr. Abdul Rauf, Principal IDC, hereinafter referred to as the "*Second Party*".

Both institutions, hereinafter collectively referred to as the "*Parties*", recognizing the importance of interdisciplinary collaboration between engineering and medical sciences, 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 share resources of College, with faculty members for Research & Development activities.
- c. To establish and strengthen collaboration for the STEM (Science Technology, Engineering & Mathematics) and Allied Health Sciences fields.
- d. To facilitate clinical, technical, and operational training for faculty and students at Islam Teaching Hospital.
- e. To bridge academia and healthcare technology, enabling innovation in biomedical devices, instrumentation, and hospital engineering.
- f. To build faculty and student capacity through shared resources, workshops, and continuing professional development.
- g. To promote joint research and innovation in medical equipment design, healthcare automation, and biocompatible materials.





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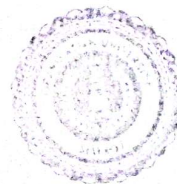
CLAUSE II: SCOPE OF COLLABORATION

- a. Clinical and hospital-based training programs for Biomedical Engineering students of GAUS at IDC facilities.
- b. Joint development of laboratory modules and simulation environments relevant to biomedical and clinical applications.
- c. Joint supervision of undergraduate and postgraduate theses in biomedical and healthcare technology.
- d. Seminars, symposia, and guest lectures on topics such as biomedical instrumentation, regulatory compliance, and medical safety standards.
- e. Participation in joint PEC compliance and accreditation activities where interdisciplinary coordination is required.
- f. Collaborative research proposals to national and international funding bodies.

CLAUSE III: R&D AND TECHNOLOGY COLLABORATION

The Parties agree to establish collaborative Research and Development (R&D) frameworks focusing on:

- a) Biomedical equipment design, calibration, and maintenance.
- b) Clinical engineering systems, hospital automation, and patient-monitoring technologies.
- c) Medical imaging and diagnostic device development.
- d) Biomaterials and nanotechnology applications for health care.
- e) Industry-supported innovation projects, co-designed by GAUS faculty and IDC professionals, aligned with healthcare needs.
- f) GAUS will provide engineering expertise, lab infrastructure, and student research teams, while IDC will offer clinical access, medical supervision, and practical environments.
- g) Outputs may include joint publications, prototypes, patents, and startup initiatives under mutually agreed terms.





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CLAUSE IV: RESPONSIBILITIES OF THE PARTIES

GAUS shall:

- a) Nominate eligible students and faculty members for collaborative activities.
- b) Ensure compliance with PEC standards for curriculum, program design, and evaluation.
- c) Provide engineering laboratories, technical support, and research facilities.
- d) Coordinate with IDC for internships, safety compliance, and academic recognition.

IDC shall:

- a) Provide hospital facilities, biomedical labs, and professional mentorship for student training.
- b) Facilitate access to medical infrastructure, devices, and experts for research and development.
- c) Support GAUS in developing practical training modules and applied biomedical courses.
- d) Assist in data-driven research, clinical testing, and validation where ethically permissible.

CLAUSE V: COORDINATION & COMMUNICATION

The collaboration shall be coordinated by:

- The Office of Research, Innovation & Commercialization (ORIC), GAUS, and
- The Biomedical and Clinical Engineering Division, IDC.

Both offices shall jointly monitor implementation, review progress biannually, and prepare periodic evaluation reports.

CLAUSE VI: FINANCIAL TERMS

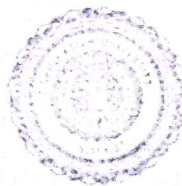
Each Party shall bear its own institutional and operational costs unless co-funding or shared financing is mutually agreed upon for specific projects.

Joint research or infrastructure initiatives may apply for grants from PEC, HEC, or international agencies.

CLAUSE VII: INTELLECTUAL PROPERTY & CONFIDENTIALITY

- a. Intellectual Property (IP) generated through joint work shall be governed by a separate IP Agreement, detailing ownership, licensing, and revenue sharing.
- b. Both Parties shall maintain strict confidentiality regarding data, proprietary research, and technical information shared under this MoU, unless disclosure is mutually authorized in writing.

CLAUSE VIII: DURATION & TERMINATION





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

Either Party may terminate this MoU with a three-month written notice, ensuring the completion of all ongoing collaborative activities.

CLAUSE IX: MODIFICATIONS & ADDITIONAL AGREEMENTS

Any amendment, modification, or additional understanding arising from this collaboration shall be made in writing and duly signed by authorized representatives of both Parties.

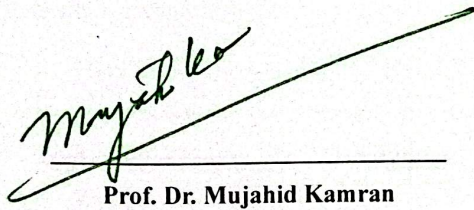
Separate sub-agreements may be executed for specific PEC-related projects, R&D collaborations, or funded programs.

SIGNATURES

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

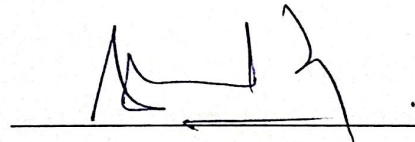
For Grand Asian University, Sialkot (GAUS):

For Islam Medical College, Sialkot:



Prof. Dr. Mujahid Kamran

Vice Chancellor



Prof. Dr. Abdul Rauf
Principle, IDC



Dated: 15th October, 2024