



# ***Prospectus***

**SESSION 2023-2024**

**Institute of Allied Health Sciences**

**D.G. KHAN MEDICAL COLLEGE  
DERA GHAZI KHAN**



**In The Name of Allah,  
The Most Beneficent,  
The Most Merciful**

# Institute of Allied Health Sciences



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## Message From The Principal

D.G. Khan Medical College Dera Ghazi Khan



**Professor Dr. Muhammad Asif Qureshi**  
**M.B.B.S , F.C.P.S**  
**Head of Department Pediatric Surgery**

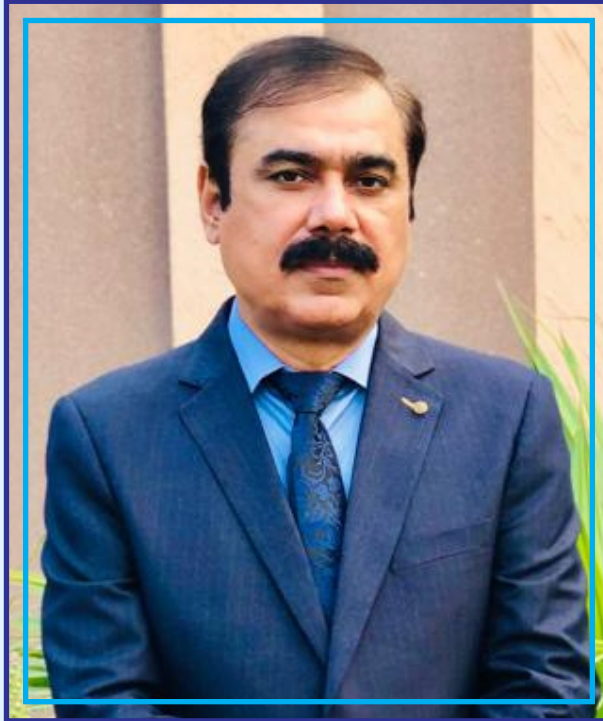
I congratulate faculty and administration of D.G. Khan Medical College and people of D.G. Khan on establishment of Institute of Allied Health Sciences. This Institute will be a great addition to academics of the region and will provide skilled professionals in the relevant fields to uplift the health care services in the area. The need of such Institute to produce compassionate, internally motivated, knowledgeable and competent health care providers was realized by Academic Council of DG Khan Medical College. The dream is going to be a reality in shortest period of less than a year. The aim is to educate the students according to current standards and equip them with modern skills, along with ethical and behavioral development. I hope the graduates exiting from Institute will be globally accepted and will effectively serve the country or any place they move.

Let's pray for the progress of this institute.



## Message From The Vice Principal

D.G. Khan Medical College Dera Ghazi Khan



**Professor Dr. Mukhtar Ahmad**  
**M.B.B.S , F.C.P.S**  
**Head of Department Pediatric Medicine Unit-1**

Medical profession is mostly based on a teamwork. Important team members are doctors, nurses and allied health professionals. For example, a doctor needs radiology and laboratory reports to make or confirm a diagnosis. For a surgeon, it is utmost important to have a neat, clean and aseptic environment inside the operation theatre. An Orthopedic Surgeon refers his patient to a physiotherapist to restore strength of muscles of his patient after his broken leg bone is united.

Allied health sciences is an emerging field. In Pakistan, more than twenty B Sc. Courses in allied health sciences are being offered by various medical universities. Allied health professionals include many of the well-known non-physician, non-nurse health care providers and support personnel. Allied health professionals support health care systems in a variety of ways and settings. Allied health professionals work in all major departments of a hospital like Emergency, ICU, Laboratory and Operation Theatre. Institute of Allied Health Sciences, DG Khan Medical College, Dera Ghazi Khan is starting these allied health sciences technologies to provide trained allied health professionals to government as well as to private health sector facilities. These courses will ultimately result in provision of respectable job opportunities to young people and better healthcare services to the general public.

## **MESSAGE FROM THE DIRECTOR**

**Institute of Allied Health Sciences**

**D.G. Khan Medical College Dera Ghazi Khan**



### **DR. MUHAMMAD IMRAN KHAN**

**MBBS, M.Phil**

**Assistant Professor of Physiology**

**Department of Physiology**

**D.G.Khan Medical College D.G.Khan**

D. G. Khan Medical College, D.G. Khan was a long standing dream of the people of Southern Punjab. Now the establishment of Institute of Allied Health Sciences, D.G. Khan Medical College D.G. Khan is also a great blessing and big facility for the people of D.G.Khan , D. G. Khan at the junction of four provinces.

I am thankful to the administration and academic council of D.G. Khan Medical College who will provide quality education to the students of Institute Allied Health Sciences. I wish and pray for the bright and successful career for future graduates of Institute of Allied Health Sciences.

## ADMINISTRATION



**DR.SAIMA BATOOL SOOMRA**

MBBS,MPH, DHM.

Medical Superintendent

Allama Iqbal Teaching Hospital

D.G. Khan.



**DR. BUSHRA NOREEN**

MBBS , M.Phil

Assistant Director IAHS &

Head of Physic Department

Institute of Allied Health Sciences

D.G.Khan Medical College D.G.Khan

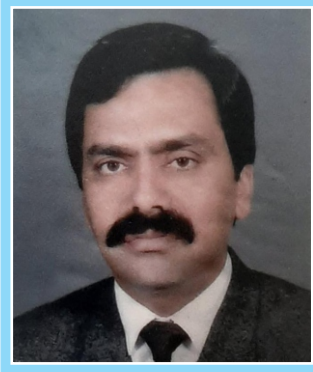


**MS. RUBAB IQBAL**

**DIRECTOR FINANCE**

D.G.Khan Medical College D.G.Khan

## HEADS OF DEPARTMENTS



### **Prof. DR. SHAHID HABIB ANSARI**

MBBS, DCP, M.Phil, MPH, FCPP

Professor & Head of  
Pathology Department

D.G.Khan Medical College D.G.Khan  
Supervisor MLT



### **DR. RASHID RASOOL**

MBBS, FCPS

Associate Professor &  
Head of Radiology Department

D.G.Khan Medical College D.G.Khan  
Supervisor MIT



### **Dr. Muhammad Rizwan Anwar**

MBBS, FCPS

Assistant Professor

& Head of Department of Surgery Unit-1

D.G.Khan Medical College D.G.Khan  
Supervisor OTT



### **DR. ASIF NADEEM**

MBBS, FCPS

Assistant Professor

& Head of Department of Surgery Unit-2

D.G.Khan Medical College D.G.Khan  
Supervisor OTT



### **Dr. Aushtar Abbas Naqvi**

Assistant Professor & HOD Anesthesia

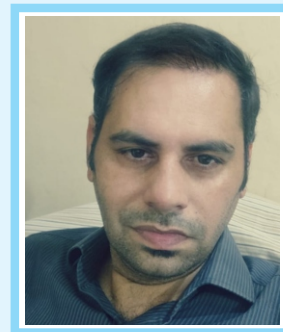
D.G.Khan Medical College D.G.Khan.  
Supervisor OTT



### **Dr. Kashif Ali Khan Nutkani**

MBBS, MCPS, FCSP

Assistant Professor & Head of Medicine Unit-1  
D.G.Khan Medical College D.G.Khan.



### **Dr. Muhammad Moazzam Ali Khan**

MBBS, MS Public Health

Head of Community Medicine / Statistics  
Department  
D.G.Khan Medical College D.G.Khan.



## LIST OF FACULTY MEMBERS

### DR. ABDUL MUDABBIR REHAN

M.B.,B.S. M. Phil CMT CME  
Assistant Professor /  
Head of Pharmacology Department  
Chairman Information Technology (IT)  
Additional Director IAHS  
D.G. Khan Medical College, D.G. Khan.



### DR. SYED M. HUSNAIN IRSHAD NOHI

M.B.B.S D.C.P  
Chief Consultant Pathologist  
Allama Iqbal Teaching Hospital D.G.Khan



### Dr. Ghulam Hassan

MBBS, FCPS  
Assistant Professor Surgery Unit 1  
D.G.Khan Medical College D.G.Khan.  
Course Coordinator



### Dr. Muhammad Asim Bhatti

MBBS, FCPS  
Senior Registrar Surgery Unit 1  
D.G.Khan Medical College D.G.Khan.  
Course Coordinator (OTT)





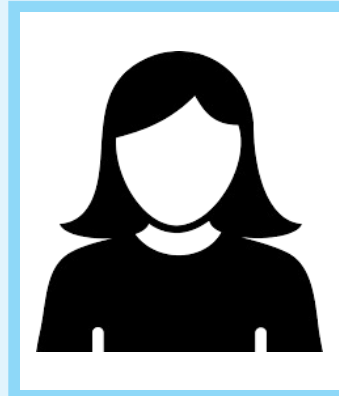
## LIST OF COORDINATORS

### COURSE COORDINATOR IAHS



**Syed Majid Raza Bukhari**

Course Coordinator (MLT)  
Pathology Department  
Allama Iqbal Teaching Hospital DG Khan



**Ms. Kiran Shabir**

Course Coordinator (MIT) Radiology Department  
Allama Iqbal Teaching Hospital  
D.G. Khan



**Dr. Mr. Kalim ullah**

Course Coordinator (MIT) Radiology Department  
Allama Iqbal Teaching Hospital  
D.G. Khan



**Ms. Seema Kazmi**

Course Coordinator (MIT)  
Radiology Department  
Allama Iqbal Teaching Hospital DG Khan



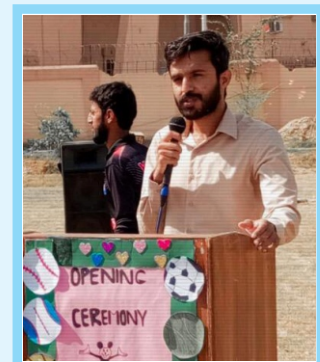
**MS. ALEENA UROOJ**

Bs Physics  
Lecture Physics  
Institute of Allied Health Sciences  
D.G.Khan Medical College D.G.Khan



**Mr. Zafar Majeed Khan**  
**ADMIN**

P.A TO Principal & Director  
Institute of Allied Health Sciences  
D.G.Khan Medical College D.G.Khan



**Mr. Muhamamd Qasim Khan**

Secretary Prospectus  
Student of 3rd year MIT  
Institute of Allied Health Sciences  
D.G.Khan Medical College D.G.Khan

## GROUP PHOTOS OF HOD'S WITH FACULTY MEMBERS

**DEPARTMENT OF SURGERY UNIT - 1  
D.G.KHAN MEDICAL COLLEGE D.G.KHAN**



**DEPARTMENT OF SURGERY UNIT - 2  
D.G.KHAN MEDICAL COLLEGE D.G.KHAN**



**DEPARTMENT OF PATHOLOGY  
D.G.KHAN MEDICAL COLLEGE D.G.KHAN**



**DEPARTMENT OF RADIOLOGY  
D.G.KHAN MEDICAL COLLEGE D.G.KHAN**



**CENTRAL PATHOLOGY LABORATORY  
ALLAMA IQBAL TEACHING HOSPITAL D.G.KHAN**



**DEPARTMENT OF MEDICINE UNIT - 1  
D.G.KHAN MEDICAL COLLEGE D.G.KHAN**



## INTRODUCTIONS OF DGKMC

### D.G. Khan

D. G. Khan is a mid-country city located on the junction of all the four provinces of Pakistan i.e. Sindh, Punjab, Balochistan, and Khayber Pukhtunkhwa. Due to its location, it has been once in the list of prospective capitals of Pakistan. It is has beautiful and unique landscape including River Indus, green fields, Pachad Desert and the Sulaiman Mountains. D.G. Khan Medical College was established in 2010. Initially the classes were started at Quaid-e-Azam Medical College, Bahawalpur, which were shifted to the D.G.Khan on November 28, 2011. The Government of the Punjab has allocated 522 kanals of land for the construction of regular academic block and hostel building and expansion of attached 346-bed DHQ Hospital ,where all the major medical and surgical specialties including, Medicine, Surgery, Pediatrics, Gynecology, Eye, ENT, etc

### Buildings of College

Total Area	229 kanal
Covered area college building	1,58,000 sqft
Boys Hostel	63,500 sqft
Girls Hostel	63,500 sqft
Area/student	211 sqft

- 30 sets of each Text Books as PMDC requirement.
- Separate study room for faculty and students.
- 1336 text books available
- Internet facility available
- Seating capacity 45
- Medical Journals' available

### Achievements of Our Students

College achieved 15th position amongst 31 medical colleges in 1st Professional MBBS Part-I exam 2012 (UHS).  
College achieved 18th position amongst 28 medical college in 1st Professional MBBS Part-II exam 2012 (UHS).  
83% & 81% marks (two distinctions) obtained by our student in 1st Professional MBBS Part-II exam 2013.



## **INTRODUCTION Institute of Allied Health Sciences**

The Institute of Allied Health Sciences has been established in 2020 as a part of D.G. Khan Medical College & Teaching Hospital Dera Ghazi Khan. The Institute of Allied Health Sciences is currently starting three degree programs i.e, 4 year degree program in , Three Degree Programs in B.Sc. Medical Imaging Technology (MIT), B.Sc. Medical Laboratory Technology (MLT) and B.Sc. Operation Theatre Technology (OTT).

The IAHS will be launching other courses in near future.



The Institute of Allied Health Sciences, D.G. Khan Medical College/Teaching Hospital D.G. Khan is located at First Floor of D.G. Khan Medical College Dera Ghazi Khan and is the state of the art building which is fully Equipped with Museum, Computer labs. Library, air conditioned lecture rooms and practical labs. The faculty of Institute comprises of highly trained professionals who are expert in their fields and are recognized by PMC & CPSP.

## FACILITIES FOR STUDENTS



### ANATOMY MUSEUM

The Anatomy Museum covers the whole field of the human body. It provides aids in the form of the models showing different regions of the body which cater to all the needs of the students during their studies.



### LIBRARY

The Library is well managed. It contains numerous volumes of books which are continuously issued to the students. The library is open for all students but those who lose or seriously damage books shall be liable to pay the cost or replace the book.



### COMPUTER LAB.

The Institute has its own computer lab. The lab is equipped with the latest computer systems. The internet facility is also available free of cost. Students can learn to work on computers in their daily life and make use of this knowledge in the new modern world of medical sciences.



## FACILITIES FOR STUDENTS

### CO-CURRICULAR ACTIVITIES

In today's highly competitive world, co-curricular activities are very important in bringing out the hidden talents of student and building up their confidence. Co-curricular activities are held throughout the year for the students.



### SPORTS

Games and sports are integral part of any academic institution. To fulfill their need and bring out sportsman ship and hidden talent of students, the annual sports are organized on t occasion of Sports week



### CAFETERIA

A beautiful cafeteria is situated within the premises of D.G.Khan Medical College D.G. Khan. All food stuff are hygienically prepared in well equipped kitchen.



### TRANSPORTATION

The facility of Transportation is provided to the students of Institute of Allied Health Sciences.



## ADMISSION INFORMATION

- Admission will be notified in National News Papers.
- Applications will be received on prescribed online application forms, available on the website of <https://www.iahs.edu.pk/>
- If applying on more than one disciplines, preference should clearly be mentioned on the online form.
- Merit based selected candidates have to compete the admission requirements.
- Academic session will commence according to the University of Health Sciences Lahore calendar on 15-01-2024

Total numbers of seats available for admission in each discipline is shown in the following table.

Sr.No.	Discipline	Total No.of Seats
1	B.Sc. (Hons.) Medical Imaging Technology	20
2	B.Sc. (Hons.) Medical Laboratory Technology	20
3	B.Sc. (Hons.) Operation Theater Technology	20
Total		60

02 seats out of total 60 seats are reserved for disabled candidate.(MIT/MLT)  
 01 seat out of total 60 seats is reserved for triable quota(OTT)  
 03 seats out of total 60 seats are reserved for employees childrens /  
 spouse of DG Khan Medical College & Allama Iqbal Teaching Hospital Dera Ghazi Khan



**INSTITUTE OF ALLIED HEALTH SCIENCES  
D G KHAN MEDICAL COLLEGE  
DERA GHAZI KHAN**

Phone: 064-9260634, [www.iahs.edu.pk](http://www.iahs.edu.pk) [www.dgkmc.edu.pk](http://www.dgkmc.edu.pk) [info@iahs.edu.pk](mailto:info@iahs.edu.pk)  
**DEGREE PROGRAMS FOR THE ACADEMIC SESSION 2023-24**



Sr. No.	Name of Technology	Duration	Eligibility Criteria to Apply
1	<b>B. Sc. (Hons) Medical Imaging Technology (MIT)</b>	4 Years	<b>1.</b> F. Sc. Pre-Medical or F. Sc. in relevant Technology from a Board of Intermediate & Secondary Education/ <b>Equivalent (as determined by the Inter Boards Coordination Committee (IBCC))</b> , with at least 50% unadjusted marks. <b>2.</b> Must have the MDCAT 2023 Result Card. <b>3.</b> No age restriction to apply.
2	<b>B. Sc. (Hons) Medical Laboratory Technology (MLT)</b>	4 Years	
3	<b>B. Sc. (Hons) Operation Theatre Technology (OTT)</b>	4 Years	

**HOW TO APPLY? (INSTRUCTIONS TO FILL AND SUBMIT THE APPLICATION FORM)**

- Visit <https://www.iahs.edu.pk/> to apply for admission and to check the Merit and Selection Lists.
- Download the Challan Form and pay the fee at any branch of the **Bank of Punjab**. The application fee for each program is Rs. 1000 (**Rs. 3000 total if you are applying in all 3 programs**)
- Upload a clear picture of the challan form on the online admission portal and carefully fill out the complete application form.
- Take out the print of the application form after successfully submitting the application form. Sign the form and attach the original paid challan form and all other relevant documents mentioned in the advertisement and checklist.
- The **signed application form and relevant documents should reach the "Office of the Director, Institute of Allied Health Sciences, D.G. Khan Medical College, Jampur Road, Dera Ghazi Khan., Pakistan"** via courier or by hand. In case of a public holiday on the last date of application, the applications can be submitted on the next working day till 02:00 PM. **The application received after the deadline will not be accepted.**
- The form will be rejected if it is incomplete, erroneous, or if the uploaded images of documents are not clear.
- Call **0649260634**, in case of any difficulty while applying. (Monday to Saturday, from 08:00 AM to 02:00 PM only).

**APPLICATION AND ADMISSION DEADLINES:**

Deadline to apply on the Online Admission Portal ( <a href="https://www.iahs.edu.pk/">https://www.iahs.edu.pk/</a> )	November 13, 2023, till 3:00 PM.
Deadline to send the signed application form and documents	November 18, 2023, till 3:00 PM.
Notification of Tentative Merit Lists of all Programs	December 02, 2023.
Grievance Period to report the errors in Tentative Merit Lists	From December 02 <sup>nd</sup> , 2023 to 08 <sup>th</sup> December, 2023.
Final Merit Lists and First Selection List	December 09, 2023.
Commencement of Regular Classes	January 15, 2024.

**DOCUMENTS TO BE ATTACHED WITH THE PRINTED APPLICATION FORM: (Attested by a Gazette Government Officer)**

- Paid Challan Form (Original)
- Secondary School Certificate (SSC) or the Result card issued by the concerned Board.
- Higher Secondary School Certificate (HSSC) Pre-Medical or the Result Card issued by the concerned Board.
  - Candidates having foreign qualifications (A level/ IB/ American or Canadian 12<sup>th</sup> Grade etc.) must prove their equivalency for the SSC & HSSC by providing the attested copies of the Equivalence Certificate or Provisional Equivalence Letter issued by Inter Boards Coordination Commission (IBCC).
- MDCAT-2023 Result Card
- Domicile Certificate of Punjab. Candidates having a domicile of Islamabad (ICT) are eligible to apply on open merit.
  - For the tribal seat, the candidate should have a Domicile Certificate of the tribal area of Dera Ghazi Khan, Punjab.
  - Other certificates or documents (e.g., Birth Certificate, Form-B, CNIC or Passport, etc.) are unacceptable in lieu of a Domicile Certificate. Any candidate found to have a domicile of more than one place shall be disqualified.
- Character Certificate from the institution last attended.
- CNIC/ CRC or Form-B/ NICOP/ POC or Passport of the candidate.
- CNIC/ NICOP/ POC or Passport of the father or the guardian.
- Four recent passport-size photographs with white backgrounds. One photograph should be attested on the front and the other three should be attested on the back.
- Original Fitness Certificate issued by a registered Government Medical Practitioner Officer indicating the PM&DC number of doctor.
- Disability Certificate issued by "Provisional Council for The Rehabilitation of Disabled Persons" only for disabled candidates.
- If you are applying for the employee seat, attach the Family Registration Certificate (FRC) issued by NADRA and the Regular Employee Certificate of the guardian/ spouse issued by the competent authority.

**NOTE:**

- The allocation of seats will be purely on a merit basis. The decision of the Admission Board shall be final.
- There are **sixty seats in total** (20 seats for each degree program mentioned above)
- 02 Seats (one in MIT and one in MLT)** out of a total 60 seats are reserved for disabled candidates
- 01 Seat (in OTT)** out of a total 60 seats is reserved for the Tribal Quota of Dera Ghazi Khan.
- 03 Seats (one in MIT, one in MLT, and one in OTT)** out of a total of 60 seats are reserved for children/ spouses of Regular Employees working at D. G. Khan Medical College and Allama Iqbal Teaching Hospital, Dera Ghazi Khan.
- The Merit Lists and Selection Lists will be made strictly on a merit basis in the light of Admission Criteria and the Rules and regulations laid down by the University of Health Sciences (UHS) and the Government of Punjab.
- The Merit lists for disabled candidates, tribal quota, and, employee quota shall be made on the basis of inter se merit
- The course fee once paid by the candidates after securing the admissions will not be refunded once the registration with the University of Health Sciences is done.
- There is no hostel facility for the Institute of Allied Health Sciences students.
- Contact 064-9260634, 064-9260631 for admission-related queries (Monday to Saturday, 08:00 AM to 03:00 PM).

## RULES AND REGULATIONS

### ATTENDANCE

- Attendance of lectures and practical are compulsory. Students with less than 75% attendance will not be allowed to appear for University examinations.
- Every students is required to be punctual at the hours notified for lecturers, rotations and practical classes:

### DRESS CODE

- White coat designed by the instutie is compulsory for all Students
- Students are expected to dress up decently and they should observe simplicity.
- Students should have white overalls during their rotation in labs.

### IDENTITY CARD

- It is compulsory for all students to obtain his/her identity card from IAHS office immediately after his/her admission.
- Student should always display his/her identity card at all times.

### LEAVE

- Planned leaves must be approved by principal before availing leave.
- Sick leave will only be granted on provision of Medical Certificate form and authorized Medical Officer.
- In all cases leave taken will be at student's own risk so far as the percentage of attendance is concerned and even medical certificate will not condone if deficiency in attendance.

### MIGRATION RULES

- The students may apply for migration from 2nd year onward as per rules / policy framed by UHS Lahore & Govt. of Punjab.

**REMISSION OF FEE**

- a) Remission of fee will be allowed by the Head of the Institution up to 10% of all students belonging to Punjab excluding remanded (including detained or expelled) students (two half fee concessions are equivalent to one full fee remission). Remission of fee means only tuition fee. no other fee or fund will be refunded.
- b) Remanded (Including detained and expelled) students will not be entitled for fee concession practical classes:
- c) Application for fee remission must be submitted by the candidates along with statement from First Class Magistrate stating the financial position of the applicant's parent/guardian and from the head of the department. Fresh applications will be required every year.
- d) The grant of such remission will rest with the head of the institution and will be depend upon the financial condition, general conduct, work and progress of the students. Absence from failure in professional or house examination, breach of discipline, neglect of studies or irresponsible conduct shall entail the loss of the concession.
- e) Any students who leaves the institution with the object on continuing his/her studies elsewhere may receive certificate of attendance and lectures on payment of fee at the following rates:
  - i) case of registered students who have passed the University Professional Examination, in the subject for which certificates Rs. 100/- for a combined certificate embracing all, and Rs.30/- for certificate for one subject.
  - ii) In case of registered students who have failed to qualify the University Professional Examination fee is Rs. 100/- for each period of hospital instruction.

**REFUND OF FEE**

- i) Where a students's has deposit fee and joins or does not join classes but within fifteen working days on the commencement of classes, inform in writing the medical and dental institution and the university that he/she wishes to leave the institution, his/her seat shall be deemed to have become vacant upon furnishing of this information and he shall be entitled to hundred percent refund of all his deposit fees and charges, except one-time admission fee and a student from waiting list may be admitted against this vacant seat in accordance with merit.
- ii) Where the student who has paid fee and join classes opts for a private sector medical or dental institution within three months during same admission procedure, that the students shall be entitled for refund of fee after deduction of fee for study period availed in terms of months in that medical or dental institution and the seat shall be considered as vacant No fee shall be refunded after three months of commencement of classes. A student from waiting list may be admitted against this vacant seat in accordance with merit.
- iii) Where a student is migrated from one medical or dental institution to another medical or dental institution at any stage of the academic section, the medical or dental institution as the case may be shall be bound to refund all dues and fee charged proportionate to remaining period of academic year.

**DETAINEE STUDENTS FEE**

According to the Pakistan Medical & Dental Council, "the Executive Committee decided that the fee charged to the detainee students shall be one third (1/3) of the total annual tuition fee as PM&DC regulation (for each failed subject). In case if students is failed in all subject 75% of annual tuition fee shall be charged. "This may be approved for Allied Health Sciences Students."



# MEDICAL IMAGING TECHNOLOGY

## B.Sc. (Hons.) MIT



## **AIMS AND OBJECTIVES**

- The primary aim of this program is to produce practitioners who are competent to deliver highest quality of health care by incorporating scientific advances into their practices.
- With the increasing use of diagnostic medical imaging on a day to day basis, it combines the key theme of understanding how medical images are formed and appreciating what images reveal in the clinical context.

## **WHAT IS MEDICAL IMAGING TECHNOLOGY ?**

This B.Sc. In Medical Imaging Technology will offer students an introduction to diagnostic medical imaging along with the teaching of standard academic skills. The medical imaging technologist is an important member of healthcare team. Modern diagnostic radiography forms an integral part of medical practice, both in making diagnosis and in treatment.

## **RADIOLOGY DEPARTMENT**

Radiology department is staffed by highly qualified Professors, Consultants, Technologist and Paramedical staff. Every member in the department is highly motivated to the patient care. The Radiology department comprises of the facilities of general Radiography, Fluoroscopy, Gray scale & Colour Doppler Ultrasonography, CT Scan and MRI system.

## **CAREER**

Diagnostic Radiology offers a range of career opportunities in hospitals and other clinical settings, with the opportunity to progress towards clinical specialization, management, teaching and research.

## COURSE SCHEME

YEAR	THEORITICAL	PRACTICAL
First Year	Basic Anatomy Basic Physiology Basic Biochemistry General Pathology Behavioural Sciences Islamiyat / Ethics Computer Sciences Pak Studies	Hands on Training in basic techniques of the discipline
Second Year	Regional & Imaging Anatomy Radiation Science & Technology General Radiology Medicine Pharmacology	Hands on Training in Radiology Department
Third Year	Computed Tomography Mammography and Special Radiological Techniques Magnetic Resonance Imaging Surgery	Hands on rotational training in laboratory techniques in mentioned disciplines
Final Year	Angiography and Cardiac Imaging Nuclear Medicine Ultrasound and Echocardiography Biostatistics & Research Methodology	Advanced Training related to subjects Research assignments related to subjects





# MEDICAL LABORATORY TECHNOLOGY

## B.Sc. (Hons.) MLT



## AIMS AND OBJECTIVES

- The aims of this program is to equip the students with relevant professional knowledge, skills, techniques and ethical values.
- To assess the technical and no technical skills in a standardized and reproducible environment
- To develop and analyze innovative strategies for effective communication with the patients.

## WHO IS A MEDICAL LAB. TECHNOLOGIST?

Medical Laboratory Technologists perform chemical or visual analysis of specimen taken from body fluids to identify, quantify, verify and report the presence or absence of chemicals, micro-organisms, proteins, other substance and the description of cellular elements in clinical laboratory.

Personal attributes for medical technologist should include manual dexterity, strong sense of responsibility the ability to work with others and attentiveness.

## THE DEPARTMENT OF PATHOLOGY

D.G. Khan Medical College / Teaching Hospital Dera Ghazi Khan has a well established and organized Pathology department with dedicated, skilled and highly trained Professors, Consultants, Demonstrators Officers Medical Officer, Medical Technologists and Lab. Technicians.





## CHEMICAL PATHOLOGY SECTION

The Chemical pathology section is performing various routine and specialized biochemical tests on highly sophisticated and fully automated Chemistry analyzers, Hormone analyzers and PCR system.

## HAEMATOLOGY SECTION

In Haematology section Haematology analyzer, Microscopy, Blood Staining, Co-agulations, Blood Bank, Thalasemia, Haemophilia and other facilities are provided.

## MICROBIOLOGY SECTION

In Microbiology section, Culture & sensitivity, CSF, Fluids, Blood, Urine, Stool, Pus, Swabs and other facilities are available. Facilities for fungal, mycobacterium and anaerobic cultures are also available.

## HISTOPATHOLOGY SECTION

Histopathology section is offering histopathology of biopsies, FNA, Cytology of CSF, synovial and ascetic fluid is performed.

## CAREER

The medical laboratory is an industry now. We are highly short of specialized persons in this field. The graduate will serve in multiple settings like hospitals, laboratories, clinics and labs in the research organization.



**COURSE SCHEME**

YEAR	THEORITICAL	PRACTICAL
<b>First Year</b>	Basic Anatomy Basic Physiology Basic Biochemistry General Pathology Behavioural Sciences Islamiyat / Ethics Computer Sciences Pak Studies	Hands on Training in basic techniques of the discipline
<b>Second Year</b>	Haematology and Blood Banking Histopathology and Cytopathology	Hands on Training in Pathology Department
<b>Third Year</b>	Microbiology Chemical Pathology Immunology and Serology	Hand on rotational training in laboratory techniques in mentioned disciplines
<b>Final Year</b>	Elective Subjects Clinical Microbiology Advanced Clinical Immunology Medical Genetics Molecular Biology Advanced Clinical Chemistry Immunoematology Biostatistics & Research Methodology	Advanced Training related to subjects Research assignments related to subjects

## OPERATION THEATER TECHNOLOGY B.Sc. (Hons.) OTT



## AIMS AND OBJECTIVES

The aims of the 4 years degree program in Operation Theater Technology is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the doctors and the patient for efficient health service delivery.

## WHO IS OPERATION THEATER TECHNOLOGIST?

The operation Theater Technologist participate in the assessment of patients prior to surgery and provide individualized care. An ability to communicate and work effectively within a team is essential. The OTTs role also involves many clinical skill such as preparation of wide range of specialists, equipments and drugs. These include all related instruments used in operation theater.

## ROLE OF OPERATION THEATER TECHNOLOGIST

Operation Theater Technologists provide high standards of patient care and skilled support alongside medical and nursing colleagues during the anaesthetic surgical and recovery phase of pre and post operative period. The OTT is therefore required to have a board Knowledge and skill in addition to management and communication skills.

### i. THE ANESTHETIC PHASE

This involves supporting the patient through anxious time but before the patient arrives in theater, OTTs prepare a wide range of specialist equipments and drugs that will be required For the safety of patients during anaesthesia.





## ii. THE SURGICAL PHASE

Patient care remains the focus throughout the surgical phase and OTTs undertake, as part the operative team, a number of roles including the scrubbed role, application of aseptic technique, wound management and infection control. Wearing sterile gowns and gloves having prepared all the necessary instrument & equipments for the procedure, they work along the surgeon.

## iii. RECOVERY PHASE

OTTs receive, assess and deliver patient care within the recovery unit. They monitor the patient's physiological parameters and support them, providing appropriate intervention and treatment, until the patient has recovered from the effects of anaesthesia and surgery and is stable.

## CAREER

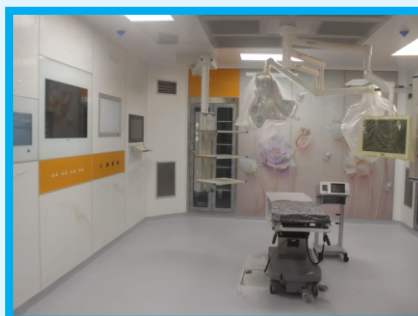
Operation Theater Technologists are a vital part of clinical team and provide professional expertise during the patient's stay in hospital. OTTs are primarily employed within the operation theatres, they are increasingly being recognized for their skills in other critical care areas.





## COURSE SCHEME

YEAR	THEORITICAL	PRACTICAL
<b>First Year</b>	Basic Anatomy Basic Physiology Basic Biochemistry General Pathology Behavioural Sciences Islamiyat / Ethics Computer Sciences Pak Studies	Hands on Training in basic techniques of the discipline
<b>Second Year</b>	Physics Microbiology and Pharmacology	Hands on Training in Surgery Department
<b>Third Year</b>	Sterilization and Disinfection Operation Theater instruments and Equipments Operation Theater Technology I	Hand on rotational training in specialized techniques in mentioned disciplines
<b>Final Year</b>	Operation Theater Technology II Medical Statistics and Research Methods	Advanced Training in surgical and allied specialities in operation theater techniques



## Prize Distribution

D.G. Khan Medical College not only provide the Students with Quality of Training with Qualified Teaching Faculty Members but also facilitate The students with quality of environment where the students can prove their skills in practical work as well as in studies under the administration of Worthy Principal Professor Dr. Muhammad Asif Qureshi and Director Dr. Muhammad Imran Khan.

The students of IAHS D.G. Khan Medical College have produced excellent results and got 1st & 2nd positions in all over the Punjab & 10 students got distinctions in 2nd professional examination held in 2022.





# Prize Distribution



**Safia Batool**  
337/400

1st position in Punjab  
in 2nd Professional UHS, Lahore  
Annual examination 2022



**Safia Batool. Distinction: Physics**



**Maham Razaq. Distinction: Physics**



**Maham Razaq**  
336/400

2nd position in Punjab  
in 2nd Professional UHS, Lahore  
Annual examination 2022.



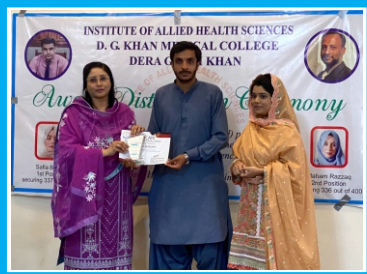
**Abdullah Saif. Distinction: Physics**



**Muhammad Zaki. Distinction: Physics**



**M. Kaleemullah. Distinction: Physics**



**Saim Buzdar. Distinction: Physics**



**Faisal Muneer. Distinction: Physics**



**Aqsa Sajjad. Distinction: Physics**



**M. Nasir Abbas. Distinction: Physics**



**Humaida Bibi. Distinction: Physics**



**Misbah Malik. Distinction: Physics**



**Qurat ul Ain. Distinction: Biostatistics**



**Aqeel Arshad.**  
Distinction: Biochemistry and Pathology



# EXTRA CO-CURRICULAR ACTIVITIES





# EXTRA CO-CURRICULAR ACTIVITIES





**EXTRA CO-CURRICULAR ACTIVITIES**



**ANNUAL CONFERENCE SAHCON 2022  
CHILDREN UNIVERSITY OF SCIENCES LAHORE**







# Institute of Allied Health Sciences

## **D.G. Khan Medical College**

### **DERA GHAZI KHAN**



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