



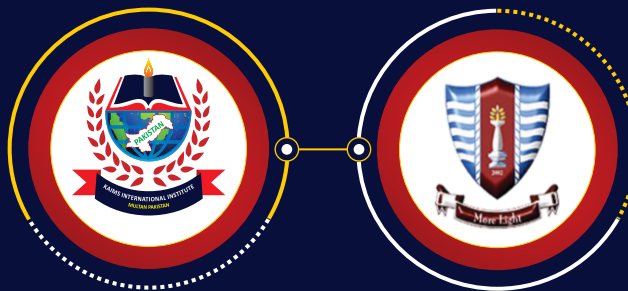
A PROJECT OF

ILM-O-QALAM
EDUCATIONAL SERVICES
(Private) LIMITED

KAIMS

International Institute, Multan

KAIMS INTERNATIONAL INSTITUTE MULTAN



PROSPECTUS - 2024



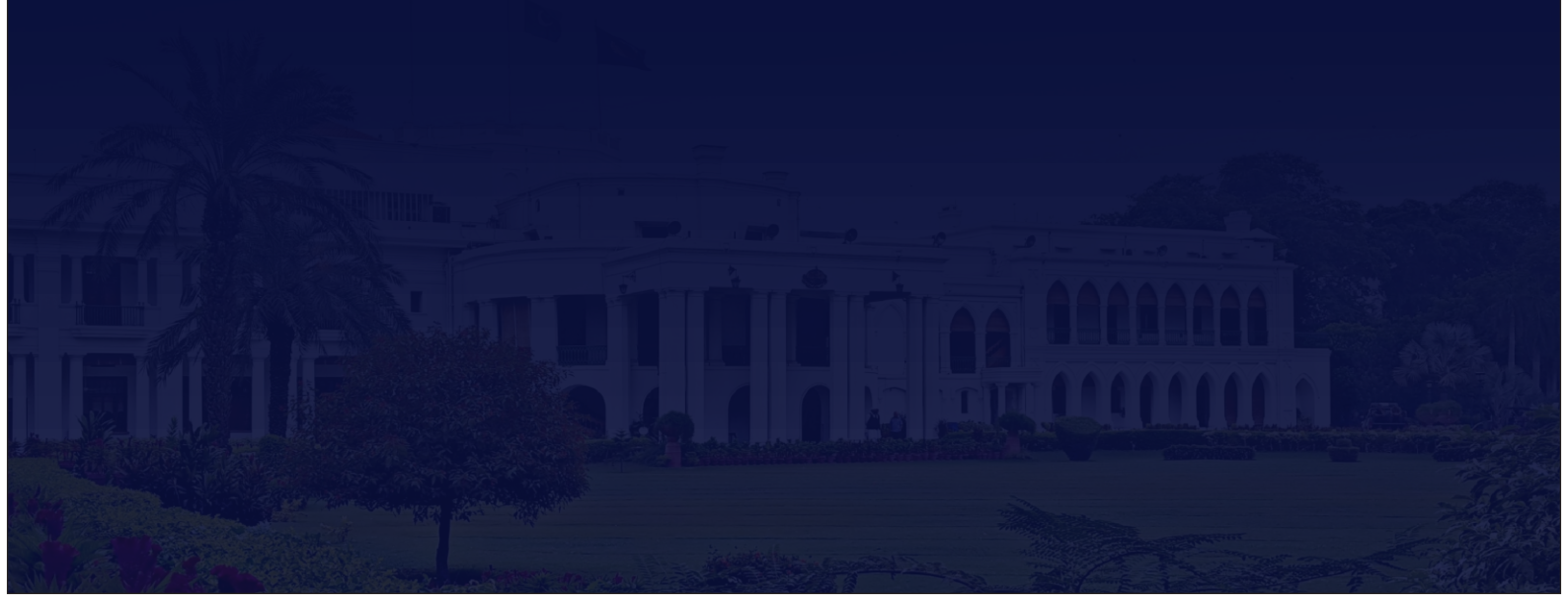


I am delighted to extend my congratulations to the leadership, faculty and students of Government College University Faisalabad and affiliated institutes (KAIMS International Institute) as they prepare for a new academic session. The upcoming academic year holds tremendous opportunities for growth and excellence. University's commitment to innovative teaching methods and cutting-edge research in various fields is commendable. Faculty members are continuously enhancing their skills and expertise to provide students with the best education possible. GCUF and affiliated institute's (KAIMS) dedication to modernizing its infrastructure ensures that students have access to top-notch facilities for their studies. As Chancellor, I am confident that students at GCUF and affiliated institute (KAIMS) will have a fulfilling learning experience on the vibrant Campus. Best wishes for the success of the new academic year ahead!

BEST REGARDS

SARDAR SALEEM HAIDER KHAN

Chancellor / Governor Punjab





Government College University Faisalabad is a dynamic seat of learning aspiring to provide highly stimulating and conducive academic environments for quality research, formal education and professional growth. In the recent years, the university has achieved phenomenal success in research contribution and in improving the quality of education which is reflected through the meteoric rise of the institution in HEC ranking from 59th to its 7th position, resulting in growing confidence of civil society and business community of the region. This university is striving for academic and cultural excellence by living up to the international standards of education. We offer innovative syllabi encompassing the latest trends and approaches in the field's higher education. Our curricula inculcate creativity, objectivity and critical thinking, impart values of commitment and singleness of purpose to learning and professionalism and promote confidence, adaptability and high level communication skills in students to ensure success of our graduates in this highly competitive and challenging global world order. We are for inter-disciplinary approach and social cohesion. INSHA ALLAH. With best wishes

BEST REGARDS

PROF. DR. NASIR AMIN

Vice Chancellor,

Government College University Faisalabad

GOVERNMENT COLLEGE UNIVERSITY FAISALABAD



WELCOME

The world is changing fast and the conventional education curriculum has to pave way for experiential learning. 21st Century education and learning must surpass the four walls of class room. It is indeed a matter of great satisfaction for me to note that significant improvement has been made in the sphere of imparting higher education at KAIMS INTERNATIONAL INSTITUTE MULTAN.

Therefore, I believe that the core aim of learning should be to foster holistic development of students and it essentially means intellectual, physical, emotional and social development. Our strategies highlight the Institute's mission and values to meet the challenges, our graduates will be facing over the coming years. We are committed to excellence in teaching and research and continuously review and develop our courses in accordance with future requirements. These strategies will improve and help us realize our ambition to be recognized as one of the leading institutes of the region. We are also highly proud of the fact that our graduates are playing a major role in the progress of Pakistan. Furthermore, doors always remain open to them for further support they need. The progress made by the KAIMS gives me confidence that its efforts will contribute in nurturing a well-trained and socially conscious generation of future leaders.

It is commendable that the KAIMS has created a modern infrastructure to make it possible for students to update their knowledge in various scientific disciplines since modern technology has become an essential vehicle of rapid progress. At the same time, the institute has been quite successful in maintaining a balance between modern trends in education and its old traditions. As Director, I am confident that efforts to excel in the field of higher education and the inculcation of moral values in the students at the Campus will continue in future with a greater zeal.

BEST REGARDS

MAHAR KHIZAR HIRAJ

Director

VISION

Our major target is to produce skilled, dedicated and creative professionals in the spheres of Commerce, Banking, Business Administration, Computer Science, Clinical Psychology and Foods science. In order to re-gain our lost glory, we are firmly determined to provide quality education at Intermediate level as well. In pursuit of our vision, the College provides quality education at both intermediate and undergraduate levels to produce individuals who will play leading roles in their picked vocations.

MISSION

We intend to equip future business professionals, bankers, computer experts, business administrators, psychologists and food scientists with clear vision, skills and capabilities to shoulder the socio-economic responsibilities in a befitting manner. We also aim at imparting basic and modern scientific knowledge to our young ones, enabling them to play the most important role in their respective disciplines. We have developed a very much adjusted arrangement of examination of the most elevated quality.

INTRODUCTION

An educational institution plays a vital role in building and strengthening the character and personality of its students. It produces a generation of learners who have the liability of the future of a country. The vision of our institution is to participate, through its role in the field of higher education and scientific research, in the creation of a unified, developed and advanced nation. KAIMS International Institute was established in 2016. The Institute offers an environment which is both supportive to individual scholars and characterized by a defining and enduring sense of community. The personal sense of academic identity that it provides is life-long. Highly qualified, experienced, and capable faculty members are resolved to work in this Institute with full devotion and dedication. In an exceptionally short span of time, Institute has possessed the capacity to set up the most elevated principles of scholastic advancement through various educational programs being offered at the institute. The Institute imparts quality market-responsive training particularly intended to meet the changing specialized necessities of present job market in Pakistan. It draws in the students and employees who need to upgrade representative profitability at a small or vast business, need information to stay current in the related specialized field or they are considering a career change and customized solutions to meet the needs of business and industry. KAIMS gives a reasonable lively training in a different urban environment. It provides access and opportunities for nontraditional students; work-force development and training resources for economic growth and strategic partnership with the community.

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WELCOME TO THE DEPARTMENT OF PHARMACY IN KAIMS

INTRODUCTION

KAIMS International Institute Multan established Faculty Of Pharmacy in 2021 and started Pharm-D program as per guidelines of Pharmacy Council of Pakistan. The Faculty has a proud record of education and research in pharmacy. Our courses combine work experience and creative teaching methods to expose students to current practices and challenges they'll face as highly qualified pharmacists and pharmaceutical scientists.



HOD'S MESSAGE

There is an ever increasing need for high quality education institutions for producing highly trained professionals in the field of Pharmacy. We have progressively established itself as a reputed Institute in Multan imparting education in Pharmaceutical Sciences.

We at Kaims international are committed to providing modern infrastructure for conveying high quality education supported by highly qualified, dedicated teaching faculty so as to produce Skillful and trained Pharmacists.

BEST REGARDS

Dr. Rabia Razzaq

Head Of Pharmacy Department
PhD in Pharmaceutics



LIBRARY FACILITY

A collection of around two thousand books is available in the faculty library. An adequate collection of text books, reference books, and research journals are available in the library of the faculty covering various disciplines of pharmacy, namely **Pharmaceutics**, **Pharmacology**, **Pharmaceutical Chemistry**, **Pharmacy practice**, and **Pharmacognosy**.



LABORATORY FACILITY

The faculty of pharmacy, KAIMS International Institute Multan was established in 2021 and started Pharm-D program as per guidelines of Pharmacy Council of Pakistan.

LABORATORIES



PHARMACEUTICS



BASIC MEDICAL SCIENCES



PHARMACOGNOSY & MICROBIOLOGY



PHARMACEUTICAL CHEMISTRY



PHARMACEUTICAL ANALYSIS



COMPUTER LAB



RESEARCH LAB



ANIMAL HOUSE

An animal house facility has been established in compliance with guidelines proposed by international organizations. These animals are meant for the experimental purpose and to be performed by Pharm-D students.

FACULTY OF PHARMACY



SCHEME OF COURSES FOR PHARM.D. (FIVE-YEAR COURSE)

1ST PROFESSIONAL PHARM.D

1ST SEMESTER

COURSE NO.	SUBJECT	CR. HR.
ENG 300	English-A (Functional English)	2
PHARM 310	Pharmaceutics-IA (Physical Pharmacy)	3+1
PHARM 311	Pharmaceutical Chemistry-IA (Organic)	3+1
PHARM 312	Pharmaceutical Chemistry-IIA (Biochemistry)	3+1
PHARM 313	Physiology-A	3+1
PHARM 314	Anatomy & Histology	3+1
TOTAL CR. HR. 22		

2ND SEMESTER

COURSE NO.	SUBJECT	CR. HR.
ENG 301	English-B (Communication & Writing skills)	4
PHARM 315	Pharmaceutics-IB (Physical Pharmacy)	3+1
PHARM 316	Pharmaceutical Chemistry-IB (Organic)	3+1
PHARM 317	Pharmaceutical Chemistry-IIB (Biochemistry)	3+1
PHARM 318	Physiology-B	3+1
TOTAL CR. HR. 20		

2^{NS} PROFESSIONAL PHARM.D

1ST SEMESTER

COURSE NO.	SUBJECT	CR. HR.
IS 402	Islamic Studies	3
PHARM 410	Pharmaceutics-IIA (Dosage Form Science)	3+1
PHARM 411	Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	3+1
PHARM 412	Pharmacology and Therapeutics-IA	3+1
PHARM 413	Pharmacognosy-IA (Basic)	3+1
PHARM 414	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3
TOTAL CR. HR. 22		

2ND SEMESTER

COURSE NO.	SUBJECT	CR. HR.
PS 403	Pakistan Studies	2
PHARM 415	Pharmaceutics-IIB (Dosage Form Science)	3+1
PHARM 416	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	3+1
PHARM 417	Pharmacology and Therapeutics-IB	3+1
PHARM 418	Pharmacognosy-IB (Basic)	3+1
PHARM 419	Pharmacy Practice-IB (Bio-statistics)	3
TOTAL CR. HR. 21		

3RD PROFESSIONAL PHARM.D

1ST SEMESTER

COURSE NO.	SUBJECT	CR. HR.
PHARM 510	Pharmacy Practice-IIA (Dispensing Pharmacy)	3+1
PHARM 511	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	3+1
PHARM 512	Pharmacology and Therapeutics-IIA	3+1
PHARM 513	Pharmacognosy-IIA (Advanced)	3+1
PHARM 514	Pathology	3+1
TOTAL CR. HR. 20		

2ND SEMESTER

COURSE NO.	SUBJECT	CR. HR.
PHARM 515	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	3
PHARM 516	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	3+1
PHARM 517	Pharmacology and Therapeutics-IIB	3+1
PHARM 518	Pharmacognosy-IIB (Advanced)	3+1
PHARM 519	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	3+1
TOTAL CR. HR. 19		

4TH PROFESSIONAL PHARM.D

1ST SEMESTER

COURSE NO.	SUBJECT	CR. HR.
PHARM 610	Pharmacy Practice-IVA (Hospital Pharmacy)	3
PHARM 611	Pharmacy Practice-VA (Clinical Pharmacy)	3+1
PHARM 612	Pharmaceutics-IVA (Industrial Pharmacy)	3+1
PHARM 613	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM 614	Pharmaceutics-VIA (Pharmaceutical Quality Management)	3+1
TOTAL CR. HR. 19		

2ND SEMESTER

COURSE NO.	SUBJECT	CR. HR.
PHARM 615	Pharmacy Practice-IVB (Hospital Pharmacy)	3
PHARM 616	Pharmacy Practice-VB (Clinical Pharmacy)	3+1
PHARM 617	Pharmaceutics-IVB (Industrial Pharmacy)	3+1
PHARM 618	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM 619	Pharmaceutics-VIB (Pharmaceutical Quality Management)	3+1
TOTAL CR. HR. 19		

5TH (FINAL)PROFESSIONAL PHARM.D**1ST SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
PHARM 710	Pharmaceutics-VIIA (Pharmaceutical Technology)	3+1
PHARM 711	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	3+1
PHARM 712	Pharmacy Practice-VIIA (Forensic Pharmacy)	3
PHARM 713	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3
PHARM 714	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	3+1
TOTAL CR. HR. 18		

2ND SEMESTER

COURSE NO.	SUBJECT	CR. HR.
PHARM 715	Pharmaceutics- VIIB (Pharmaceutical Technology)	3+1
PHARM 716	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	3+1
PHARM 717	Pharmacy Practice-VIIB (Forensic Pharmacy)	3
PHARM 718	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3
PHARM 719	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	3+1
TOTAL CR. HR. 18		

PHARM.D.FIVE-YEARCREDIT HOURS SUMMARY

PHARM.D PROFESSIONAL	1 ST SEMESTE CR. HR.	2 ND SEMESTE CR. HR.	TOTAL CR. HR.
1 st	22	20	42
2 nd	22	21	43
3 rd	20	19	39
4 th	19	19	38
FinalI	18	18	36
Total Credit Hours	101	97	198



WELCOME TO THE DEPARTMENT OF PHYSICAL THERAPY AT KAIMS

Physical therapy is a healthcare discipline focused on evaluating, diagnosing, and treating disorders of the musculoskeletal system. It involves the use of various physical techniques and modalities to enhance movement, reduce pain, restore function, and prevent disability. Physical therapists (PTs) work with patients who have suffered injuries, surgeries, or illnesses affecting their physical capabilities.

Key components of physical therapy include:

Assessment and Diagnosis: PTs assess patients' physical condition through physical exams, medical history, and diagnostic tests to determine the cause of pain or functional impairment.



Treatment Planning: Based on the assessment, PTs create personalized treatment plans that address specific patient needs and goals.



Therapeutic Exercises: These exercises aim to improve strength, flexibility, balance, and coordination.



Manual Therapy: Techniques like mobilization, and manipulation to reduce pain and improve mobility.



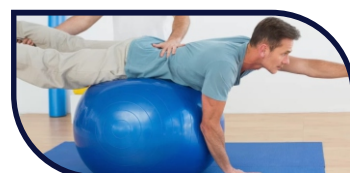
Modalities: Use of heat, cold, ultrasound, electrical stimulation, and other modalities to alleviate pain and promote healing.



Patient Education: Teaching patients about their conditions, treatment plans, and ways to prevent further injury.



Functional Training: Helping patients relearn movements and tasks necessary for daily living and work activities.



Physical therapy is used to treat a wide range of conditions, including sports injuries, arthritis, stroke, spinal cord injuries, and post-operative recovery, among others. The goal is to help patients achieve the highest possible level of function and independence.

KAIMS LABS OF PHYSIOTHERAPY DEPARTMENT

Anatomy lab: Anatomy lab is a specialized educational facility where students and professionals study the structure of the human body. This lab is crucial for medical science students, providing hands-on experience with human anatomy that is essential for understanding and practicing healthcare. Key features and components of our anatomy lab include:

- **Bones** • **Skeleton** • **3D models**
- **Muscle model** • **Organ model**

Physiology lab: Physiology lab is a specialized facility where students and researchers study the functions and mechanisms of the human body. It focuses on understanding how organs and systems work, how they interact, and how they respond to various stimuli. Physiology labs are essential for medical and health science students, providing practical experience and insights into bodily functions. Key features and components of our physiology lab include:

- **Experimental Equipment**

Physiological Recording Devices: Instruments like electrocardiographs (ECG), spirometers, and blood pressure monitors to measure and record physiological parameters. **Biochemical Analyzers:** Devices to analyze blood, urine, and other bodily fluids for various chemical and biological markers.

Kinesiology lab: KAIMS kinesiology lab is a specialized facility where the study of human movement, biomechanics, and physical activity takes place. It is essential for students and researchers in fields such as kinesiology, physical therapy, sports science, and occupational therapy. Our lab is equipped with a variety of tools and technologies to analyze and improve human movement, performance, and rehabilitation.



Electrotherapy lab: KAIMS electrotherapy lab is a specialized facility within physical therapy, sports medicine, or rehabilitation clinics where various forms of electrical stimulation are used to treat patients. Our electrotherapy lab is equipped with devices and tools designed to manage pain, enhance muscle function, promote tissue healing, and improve circulation. Key features and components of our electrotherapy lab include:

ELECTROTHERAPY DEVICES:

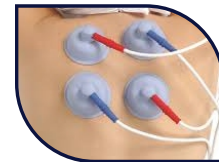
- **Transcutaneous Electrical Nerve Stimulation (TENS):**

Portable devices that deliver electrical impulses through the skin to relieve pain.



- **Electrical Muscle Stimulation (EMS):** Devices that send electrical impulses to stimulate muscle contractions, often used for muscle strengthening and rehabilitation.

- **Interferential Current (IFC) Therapy:** Machines that use medium-frequency electrical currents to relieve pain and reduce inflammation.



- **Ultrasound Therapy:** Devices that use high-frequency sound waves to promote tissue healing and reduce pain.

- **Shortwave Diathermy:** Equipment that uses high-frequency electromagnetic waves to generate deep heat within tissues, aiding in pain relief and tissue healing.



- **Microcurrent Therapy:** Devices that deliver extremely low-level electrical currents to promote tissue healing and reduce pain.

KPRC (KAIMS PHYSIOTHERAPY & REHABILITATION CENTER) :

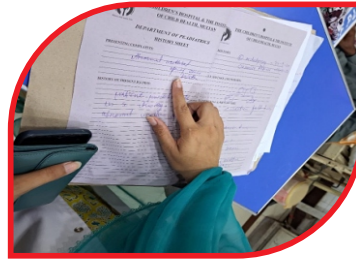
Our physiotherapy clinic is a facility where physical therapists provide services to help patients recover from injuries, manage chronic conditions, and improve their physical function and mobility. KAIMS physical therapy clinic is equipped with various tools and equipment tailored to the needs of patients and staffed by trained professionals who deliver personalized care. Key features and components of a physiotherapy clinic include:

- **Reception and Waiting Area Reception Desk:** For patient check-in, scheduling appointments, and handling administrative tasks.
- **Comfortable Seating:** A waiting area with chairs, reading materials for patient comfort.
- **Private Rooms:** Spaces where therapists conduct initial assessments, discuss treatment plans, and provide patient education.
- **Assessment Tools:** Equipment such as goniometers, inclinometers, and strength testing devices to evaluate the patient's condition.
- **Open Treatment Spaces:** Areas with treatment tables and equipment for exercises and manual therapy.
- **Private Treatment Rooms:** For one-on-one sessions that require privacy, such as manual therapy or certain modalities. Exercise and Rehabilitation Equipment:
- **Electrotherapy and Modalities:** TENS and EMS Units: Devices for electrical nerve and muscle stimulation to manage pain and improve muscle function. Ultrasound Machines: For deep tissue heating and promoting tissue healing. Heat and Cold Therapy: Hot packs, cold packs, and hydrotherapy devices for pain relief and inflammation reduction. Laser Therapy: Low-level laser devices for tissue healing and pain management.
- **Manual Therapy Tools:** Treatment Tables: Adjustable tables for joint mobilization, and other manual therapy techniques.
- **Specialized Tools:** Instruments for myofascial release, trigger point therapy, and other hands-on treatments.
- **Gait and Movement Analysis:** Gait Analysis System
- **Patient Education Resources:** Educational Materials: Pamphlets, diagrams, and multimedia resources to help patients understand their conditions and treatment plans.
- **Home Exercise Programs:** Customized exercise plans and demonstrations for patients to continue their rehabilitation at home



ELECTROTHERAPY DEVICES:

One day study tour visit at **Pediatric Ward, Children Hospital Multan**
Students visited **Neonatal ICU Ward, Pediatric Ward**, where students learnt how to take history (neonatal and children history)



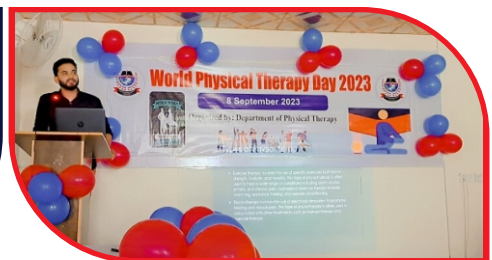
One day study tour visit at **Multan Institute of Kidney Diseases, Multan**

Students visited at **Radiology Department** to explore **X-ray machines, CT-Scan, MRI and Ultrasound**.

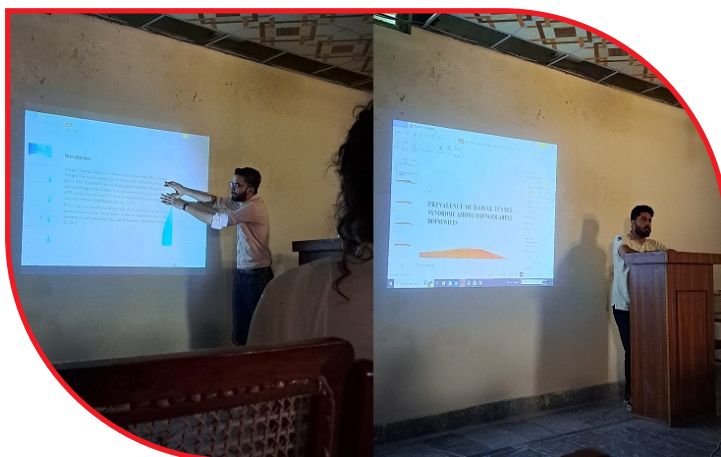


ACTIVITIES

We celebrated **International world physical therapy day** on **8th September** at **Kaims International Institute, Multan** where a presentation on the history of physiotherapy day and the **subject of arthritis** was presented to the pupils.



One day we had arranged **synopsis defense**. In this **DEFENSE** students told about their **Research topics**.



We had arranged different **free Physical Therapy camps**. Where patients get free physiotherapy and and they seek knowledge about their health condition.



KPRC arranged a very informative **cardiopulmonary assessment** and examination class for the internship students with honorable guest and mentor **Dr Sami Aleem MBBS MO(MIC)**.



Dr. Asma Sattar

Head Of Physical Therapy Department
MS Orthopedic Manual Physical Therapy

Doctor of Physical Therapy (DPT)
Department is dedicated to

providing quality education, enables the student to become clinical physiotherapist thus help them to establish their clinics to improve the lives of patients and clients in the ever changing healthcare landscape. We equipped students with theoretical as well as evidence based practical knowledge. In KAIMS International Institute DPT Department also provide opportunities to the students in the field of academics as well as in Research. Our DPT department has our own KAIMS Physiotherapy and Rehabilitation Center (KPRC) help students in making evidence based diagnosis and treatment under the supervision of experienced Physical Therapist.



KAİMS
CONVOCATION
2024

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2017	2022
Batch 2	2018	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 3	2019	2024
Batch 4	2020	2025
Batch 5	2021	2026
Batch 6	2022	2027



SCHEME OF STUDIES FOR 5 YEARS

DOCTOR OF PHYSICAL THERAPY (DPT) PROGRAM

1ST SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-301	Upper Limb & General Anatomy	4(3-1)
DPT-303	Cardiovascular & Neuromuscular Physiology	3(2-1)
DPT-305	Introduction to Kinesiology	3(2-1)
ENG-321	Functional English	3(3-0)
STA-322	Introduction to Statistical theory I	3(3-0)
PST-321	Pakistan Studies	2(2-0)
TOTAL SEMESTER CREDIT HOURS 18		

2ND SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-302	Lower limb Anatomy & General Histology	4(3-1)
DPT-304	Visceral Physiology	3(2-1)
DPT-306	Clinical Kinesiology	3(2-1)
ENG-322	English Comprehension & Composition	3(3-0)
STA-323	Introduction to Statistical theory II	3(3-0)
ISL-321	Islamic Studies / Ethics	2(2-0)
TOTAL SEMESTER CREDIT HOURS 18		

3RD SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-401	Head and Neck Anatomy & Human Embryology	3(2-1)
DPT-403	Physiology of Reproductive, Nervous & Renal system	3(2-1)
DPT-405	Introduction to Biomechanics & Ergonomics	3(3-0)
BCH-407	Biochemistry & Genetics I	2(2-0)
DPT-409	Introduction to Exercise Physiology	3(3-0)
CSI-321	Introduction to Computing Applications	3(2-1)
TOTAL SEMESTER CREDIT HOURS 17		

4TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-402	Human Neuro Anatomy	3(2-1)
DPT-404	Advance techniques in Biomechanics & Ergonomics	3(2-1)
DPT-406	Behavioral Sciences (Psychiatry & Psychology)	3(3-0)
BCH-408	Biochemistry & Genetics II	2(2-0)
DPT-410	Advance Clinical Exercise Physiology	3(3-0)
DPT-412	Medical Physics in Rehabilitation	3(2-1)
TOTAL SEMESTER CREDIT HOURS 17		

5TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-501	Pathology & Microbiology I	2(2-0)
DPT-503	Pharmacology in Rehabilitation I	3(3-0)
DPT-505	Physical Agents & Electrotherapy I	3(2-1)
DPT-507	Therapeutic Exercises & Techniques	3(2-1)
SOC-307	Introduction to Sociology	2(2-0)
DPT-511	Health & Wellness	2(2-0)
DPT-513	Supervised Clinical Practice I	3(0-3)
TOTAL SEMESTER CREDIT HOURS 18		

6TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-502	Pathology & Microbiology II	3(2-1)
DPT-504	Pharmacology in Rehabilitation II	2(2-0)
DPT-506	Physical Agents & Electrotherapy –II	3(2-1)
DPT-508	Manual Therapy	3(2-1)
DPT-510	Teaching Methodology & Community Medicine	3(3-0)
DPT-512	Supervised Clinical Practice II	3(0-3)
TOTAL SEMESTER CREDIT HOURS 17		

7TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-601	Clinical Medicine I	3(3-0)
DPT-603	Orthopedic Surgery	3(3-0)
DPT-605	Radiology & Diagnostic Imaging	3(2-1)
DPT-607	Musculoskeletal Physical Therapy	3(2-1)
DPT-609	Human Growth, Development & Community Based Rehabilitation	2(2-0)
DPT-611	Supervised Clinical Practice III	3(0-3)
TOTAL SEMESTER CREDIT HOURS 17		

8TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-602	Clinical Medicine II	3(3-0)
DPT-604	Advance techniques in General Surgery II	3(3-0)
DPT-606	Neurological Physical Therapy	3(2-1)
DPT-608	Evidence Based Practice	3(2-1)
DPT-610	Introduction to Prosthetics & Orthotics	2(2-0)
DPT-611	Supervised Clinical Practice IV	3(0-3)
TOTAL SEMESTER CREDIT HOURS 17		

9TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-651	Cardiopulmonary Physical Therapy	3(2-1)
DPT-653	Emergency Procedures & Primary Care In Physical Therapy	2(2-0)
DPT-655	Clinical Decision Making & Differential Diagnosis	3(3-0)
DPT-657	Scientific Inquiry & Research Methodology	3(3-0)
DPT-659	Professional Practice (Laws , Ethics & Administration)	2(2-0)
DPT-661	Integumentary Physical Therapy	2(2-0)
DPT-663	Supervised Clinical Practice V	3(0-3)
TOTAL SEMESTER CREDIT HOURS 18		

10TH SEMESTER

COURSE NO.	SUBJECT	CR. HR.
DPT-652	Obstetrics & Gynecological Physical Therapy	2(2-0)
DPT-654	Pediatric Physical Therapy	2(2-0)
DPT-656	Gerontology & Geriatric Physical Therapy	2(2-0)
DPT-658	Sports Physical Therapy	2(2-0)
DPT-660	Supervised Clinical Practice VI	4(0-4)
DPT-681	Research Project	6(0-6)
TOTAL SEMESTER CREDIT HOURS 18		

DPT FIVE-YEAR CREDIT HOURS SUMMARY

DPT SEMESTE	SEMESTE CR. HR.
1 st	18
2 nd	18
3 rd	17
4 th	17
5 th	18
6 th	17
7 th	17
8 th	17
9 th	18
10 th	18
Total Credit Hours	175



WELCOME TO THE DEPARTMENT OF HUMAN NUTRITION AND DIETETICS AT KAIMS

INTRODUCTION

The Department of Human Nutrition is well-established for envisioning the betterment of human health through rigorous academic programs, highly trained staff, sophisticated laboratories, innovative research, and significant engagement opportunities. Furthermore, the department also possesses a professional clinic (**KNDC**) where students attain a hands-on experience while also studying. The students will be awarded degree of **GCUF** as the institute is also affiliated with GCUF, Pakistan.



MISSION

Our mission is to raise the quality-of-life and improve the nutritional status of individuals by:

- Provision of therapeutic diet services for patients in hospitals.
- Uplifting people's wellbeing through meal-management practices focusing on a truly balanced diet.
- Encouraging general lifestyle modifications by community outreach programs
- Focusing on prevention of diseases by using clinical nutritional expertise.
- Providing knowledge of nutrition to undergraduate and graduate students through nutritional labs, professional clinics, and comprehensive teaching.





SCOPE

CLINICAL NUTRITIONIST CAN ASSIST

YOU WITH:

- WEIGHT MANAGEMENT
- LOSS/GAIN AND SUPPORT
- DIABETES (TYPE 1, TYPE 2)
- IMPAIRED GLUCOSE TOLERANCE,
- GASTROINTESTINAL DISEASES
- CARDIOVASCULAR DISEASES
- HIGH BLOOD PRESSURE, RISK
- REDUCTION
- HYPERTENSION
- GASTROINTESTINAL DISEASE /COMPLICATIONS
- KIDNEY DISEASE/RENAL DISORDERS
- RESPIRATORY DISEASE/DISTRESS (COPD)
- PREGNANCY/LACTATION
- ENTERAL AND PARENTERAL
- NUTRITION/CRITICAL CARE
- FOOD ALLERGIES (OPTIONAL)
- PEDIATRICS (OPTIONAL)
- CLINICS NUTRITION
- SPECIALIZED CARE
- PUBLIC HEALTH NUTRITION
- ONLINE AND TELEHEALTH SERVICES
- INDUSTRIAL EXPOSURE

KAIMS NUTRI DIET CLINIC

ADMISSIONS *Open*



MISS MISHAL SAEED HEAD OF DEPARTMENT

As an Head of Department my mission is to foster an environment of excellence and innovation in this department, dedicated to the advancement of knowledge in the field of Nutrition. Our faculty are passionate about teaching and mentoring, and they bring a wealth of experience and expertise to the students

www.kaims.edu.pk

☎ 061-6220022 , 03000-454222
📍 Northern Bypass, Main Bosan Road Multan



KAIMS



KNDC



CONAK
Community of Nutritionist at KAIMS



Our Target Is Empowering Health Through Nutritional Excellence

KAIMS INTERNATIONAL INSTITUTE, MULTAN



CONAK
Community of Nutritionist at KAIMS

MAHAR KHIZAR HARAJ | *Executive* | MISS MISHAL SAEED | MISS WARDHA SHAFEEQ | MISS MARIA REHMAN
DIRECTOR INSTITUTE | Committee | HEAD OF DEPARTMENT | CLINICAL HEAD | LECTURER

THE DEPARTMENT OF HUMAN NUTRITION AND DIETETICS AT KAIMS INTERNATIONAL INSTITUTE MULTAN, IN COLLABORATION WITH THE ESTEEMED DIRECTOR AND DSA'S OF THE INSTITUTE, HAS CHOSEN TO APPOINT THE EXECUTIVE BODIES FOR THE COMMUNITY OF NUTRITIONISTS AT KAIMS.



SHAHDAIS HASHMI
PRESIDENT



SAMEER ABBAS
VICE PRESIDENT



IQRA NADEEM
STAGE SECRETARY / SPEAKER



M. ARBI RAMZAN
SOCIAL MEDIA ACTIVIST



MAHNOOR
SOCIAL MEDIA ACTIVIST



ALI RAZA
GENERAL SECRETARY



HAMZA SAFDAR
PRESIDING PERSON



AREEBA
JOINT SECRETARY



HUMNA NAVEED
EVENT ORGANIZER



DUA ADNAN
EVENT ORGANIZER

MUHAMMAD RAMEEZ
FINANCE SECRETARY

ILSA NAVEED
MANAGEMENT COMMITTEE

ALVEENA RUBAB
MANAGEMENT COMMITTEE

SANA AWAIS
MANAGEMENT COMMITTEE

ALEENA NOOR
MANAGEMENT COMMITTEE

- Patient Assessment
- Nutritional Fact Sheets
- Novel Food Product Development
- Community Counseling
- Nutrition Surveys
- Safe And Nutritious Food
- Diet Plans
- Nutrition Awareness Campaigns
- Industrial Exposure
- Departmental Achievements
- Patients Case Studies
- In House Practices
- Hospital Visits
- Disease Awareness Camps



SCOPE OF BS HND IN PAKISTAN

As one of the emerging programs gaining popularity in Pakistan, it has a broad scope nationally as well as globally.

- **Nutritionists** are in high demand for administrating different nutritional policies and programs nationally and internationally.
- **Students** are required in medical facilities for providing therapeutic diets for different illnesses or health conditions like CVDs, Diabetes, Celiac disease etc.
- **By** doing extensive research in nutrition, students can boost their skills and build a reputation in the academic community.
- **Students** are able to set up their own clinics where they can provide patients with personalized diet plans.
- **Nutritionists** are greatly needed to enhance the nutritional awareness of the population in schools and high-risk communities.



HEAD OF DEPARTMENT'S MESSAGE



I am delighted to share that, by the grace of Allah the Almighty, an independent department of Human Nutrition and Dietetics has been established in the KAIMS International Institute, Multan. According to recent data in 2023, Pakistan has been declared acutely malnourished. There is a great need for nutritional education and awareness throughout the general population.

Therefore, this step is significant for the improvement of food and nutritional status throughout the country. I am confident that with the collaborative effort of public and private sectors, academics and students, Pakistan's nutritional well-being can gain a major revival. I hope that the establishment of this department will not only cater to the educational needs of the students but will also enrich students with a goal to impact the nutritional health of people and reinforce the prestige of the institute at large.

BEST REGARDS

Mishal Saeed

Head Of Human Nutrition & Dietetics Department

M.phil Food & Nutrition

KAIMS CONVOCATION 2024

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
Batch 2	2017	2021
Batch 3	2018	2022
Batch 4	2019	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025
Batch 7	2022	2026



SCHEME OF STUDIES FOR BS HUMAN NUTRITION AND DIETETICS (HND) PROGRAM

1ST SEMESTER

COURSE NO.	SUBJECT	CR. HR.
HND-301	Fundamentals of Human Nutrition	3(3-0)
HND-303	Nutritional Biochemistry	3(3-0)
HND-305	Food Safety and Toxicology	3(3-0)
FST-301	Introduction to Food Science & Technology	3(2-1)
CS-321	Introduction to Computing Applications	3(2-1)
ENG-321	Functional English	3(3-0)
ISL-311	Translation of The Holy Quran	1(1-0)

TOTAL SEMESTER CREDIT HOURS 19**2ND SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-302	Macronutrients in Human Nutrition	3(3-0)
HND-304	Contemporary Nutrition	3(3-0)
HND-306	Nutrition Through the Life Cycle	3(3-0)
HND-308	Meal Planning and Management	3(2-1)
ENG-322	English Comprehension and Composition	3(3-0)
ISL-321/ ISL-322	Islamic Studies/ Ethics (for Non-Muslims only)	2(2-0)

TOTAL SEMESTER CREDIT HOURS 17**3RD SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-401	Micronutrients in Human Nutrition	3(3-0)
HND-403	Assessment of Nutritional Status	3(2-1)
BCH-301	Introductory Nutrient Biochemistry	4(3-1)
PST-321	Pakistan Studies	2(2-0)
ENG-421	Communication Skills	3(3-0)
MTH-321	Algebra and Trigonometry	3(3-0)
ISL-411	Translation of The Holy Quran	1(1-0)

TOTAL SEMESTER CREDIT HOURS 18**4TH SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-402	Analytical Tool in Nutrition and Dietetics	3(2-1)
HND-404	Sports Nutrition	3(2-1)
HND-406	Nutritional Education and Awareness	3(2-1)
FST-408	Food Microbiology	3(2-1)
AHP-302	General Pathology	4(3-1)
STA-322	Introduction to Statistical Theory-I	3(3-0)

TOTAL SEMESTER CREDIT HOURS 19**5TH SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-501	Dietetics-I	3(2-1)
HND-503	Nutrition and Psychology	3(3-0)
HND-505	Functional Foods and Nutraceuticals	3(3-0)
HND-507	Public Health Nutrition	3(3-0)
FST-304	Food Processing & Preservation	3(2-1)
PHS-302	Applied Physiology	3(2-1)
ISL-511	Translation of The Holy Quran	1(1-0)

TOTAL SEMESTER CREDIT HOURS 19**6TH SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-502	Dietetics-II	3(2-1)
HND-504	Nutrition Through Social Protection	3(3-0)
HND-506	Drug-Nutrient Interactions	3(3-0)
HND-508	Diet Modeling and Counseling	3(2-1)
HND-510	Preventive Nutrition	3(3-0)
HND-512	Food and Drug Laws	3(3-0)

TOTAL SEMESTER CREDIT HOURS 18**7TH SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-601	Dietetics-III	3(2-1)
HND-603	Global Food Issues	3(3-0)
HND-605	Nutrition Epidemiology	3(3-0)
HND-607	Research Methods in Nutrition	3(3-0)
HND-609	Nutritional Practices in Clinical Care	3(2-1)
HND-611	Nutrition in Emergencies	3(3-0)
ISL-611	Translation of The Holy Quran	1(1-0)

TOTAL SEMESTER CREDIT HOURS 19**8TH SEMESTER**

COURSE NO.	SUBJECT	CR. HR.
HND-602	Nutritional Entrepreneurship	3(3-0)
HND-604	Nutrition Policies and Programs	3(3-0)
HND-632	Internship and Report Writing	6(0-6)

TOTAL SEMESTER CREDIT HOURS 12**TOTAL CREDIT HOURS****141**

OVERVIEW



MISSION

The English Department aims to promote critical thinking among students by helping them gain a deeper understanding of language and literature, while emphasizing the importance of efficient reading and writing along with a study of literature in all its diversities.



ACTIVITIES

English department engages its students in other learning activities too apart from studies. Seminars on job interviews, cv making, time management, workshops, mock interviews, walks on reading awareness have been held under the supervision of faculty. Further activities are being planned according to the requirement of job market and subjects.



PROJECTS

KAIMS Literature & linguistics Ace Society (KLLAS) aims to foster a love for language, enhance literary creativity and provide an avenue for self-expression beyond the academic curriculum.

KLLAS Has Many Sections Of

- Debate wing • Drama wing • Magazine wing • English spoken wing • Media wing



KAIMS International Institute, Multan

DEPARTMENT OF ENGLISH

*Today A Reader,
Tomorrow A Leader*

READING AWARENESS Activity

Chief Organizers

MA'AM RAMSHA ZABTA
(HOD ENGLISH)

Chief Organizers

MS. HUMERA KHAN
(SENIOR LECTURER)

ORGANIZERS

BS ENGLISH 7TH



PROGRAM OFFERED

- Program Name: BS English (4 years degree)
- Eligibility Criteria: 50% marks in HSSC, Number of seats offered are 50

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
Batch 2	2017	2021
Batch 3	2019	2023

**HOD'S MESSAGE**

The English Department boasts an excellent, highly-qualified faculty with expertise in different contemporary literary and linguistic trends. Our curriculum is designed to encompass various areas in contemporary linguistic and literary traditions. We believe in an all-encompassing education which includes emphasis on academics along with extracurricular activities. This amalgamation of academic and extracurricular activities aims to nurture critical-minded individuals with enhanced intellectual abilities. For this purpose, along with our comprehensive curriculum, the English Department offers a variety of platforms like the reading club, speech competitions, and the literary and debating society. We continue organizing conferences, seminars and symposium to inculcate a vibrant research culture and encourage budding researchers. We welcome students who possess a keen interest in English language and literature, and are hoping to broaden their horizons. I am looking forward and aiming to make it one of the best Department of KAIMS, as its scope is never ending and it is the part of each and every other department of KAIMS.

BEST REGARDS**RAMSHA ZABTA**

Head of English Department

Mphil English Literature & Linguistics

KAIMS CONVOCATION 2024

CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 4	2020	2024
Batch 5	2021	2025



SCHEME OF STUDIES FOR BS (4 YEAR)

ENGLISH LITERATURE & LINGUISTICS

1ST SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-301	Introduction to Linguistics*	3(3-0)
LNG-303	Study Skills	3(3-0)
LNG-305	Sentence Analysis/Grammar	3(3-0)
LNG-307	Introduction to Literary Studies	3(3-0)
LNG-309	English For Academic Purposes	3(3-0)
CSI-321	Introduction to Computing Applications	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

2ND SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-302	Life Skills	3(3-0)
LNG-304	Phonetics and Phonology*	3(3-0)
LNG-306	Poetry-I	3(3-0)
LNG-308	History of English Literature	3(3-0)
SOC-307	Introduction to Sociology	3(3-0)
PST-321	Pakistan Studies	2(2-0)
TOTAL SEMESTER CREDIT HOURS 17		

3RD SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-401	Sociolinguistics	3(3-0)
LNG-403	Advance English Grammar*	3(3-0)
LNG-405	ELT Methods and Approaches	3(3-0)
LNG-407	Drama -I	3(3-0)
STA-321	Introduction to Statistical Theory	3(3-0)
ISL-321	Islamic Studies	2(2-0)
ISL-322	Ethics (for Non-Muslims only)	2(2-0)
TOTAL SEMESTER CREDIT HOURS 17		

4TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-402	Stylistics-I	3(3-0)
LNG-404	World Englishes*	3(3-0)
LNG-406	Teaching Language Skills	3(3-0)
LNG-408	Drama-II	3(3-0)
LNG-410	Academic Communication	3(3-0)
PSY-422	Introduction to Psychology	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

5TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-501	Task based Language Teaching	3(3-0)
LNG-503	Psycholinguistics	3(3-0)
LNG-505	Language and Gender	3(3-0)
LNG-507	Stylistics-II	3(3-0)
LNG-509	CALL	3(3-0)
LNG-511	American Literature	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

6TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-502	Testing and Evaluation	3(3-0)
LNG-504	Literary Theory	3(3-0)
LNG-506	Pakistani Literature in English	3(3-0)
LNG-508	Semantics and Pragmatics	3(3-0)
LNG-510	Second Language Acquisition	3(3-0)
LNG-512	Corpus Linguistics	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

7TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-601	Research Methodology	3(3-0)
LNG-603	Literary Criticism	3(3-0)
LNG-605	Syllabus Design & Materials Development	3(3-0)
LNG-607	Discourse Analysis	3(3-0)
LNG-609	Forensic Linguistics	3(3-0)
LNG-611	English for Specific Purposes	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

8TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
LNG-602	Poetry-II	3(3-0)
LNG-604	Research Report	3(3-0)
LNG-606	Schools of Linguistics	3(3-0)
LNG-608	Novel	3(3-0)
LNG-610	English for Employment Purposes	3(3-0)
LNG-612	Translation Studies	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

TOTAL CREDIT HOURS**142**

MEET OUR KAIMS IT DEPARTMENT

EMPOWERING THE FUTURE

INTRODUCTION

In the age of digital transformation, where technology is the cornerstone of innovation, our university's IT department stands as the bedrock of support, ensuring seamless connectivity and empowering every facet of academic and administrative life. Established in 2016, under the visionary leadership of the honourable director of KAIMS, Mr. Khizar Hayat Hiraj, the IT department has since been at the forefront of shaping our university's technological landscape. Over the past Eight years, four batches of talented IT professionals have passed out, equipped with the knowledge and skills to meet the ever-evolving demands of the digital era.

Our IT department embodies the quintessential characteristics expected from any esteemed university's IT division. It operates with a commitment to excellence, constantly striving to provide innovative solutions and reliable support services. From managing complex network infrastructures to implementing robust cybersecurity measures, our IT wizards demonstrate unparalleled expertise and dedication in ensuring the smooth functioning of our university's technological ecosystem. They are the architects behind the digital platforms that facilitate seamless communication, collaboration, and knowledge sharing among students, faculty, and staff.

As we embark on this journey to explore the pivotal role played by our IT department, let us delve deeper into its rich history, its remarkable achievements, and its unwavering dedication to driving technological innovation and excellence within our university community.



SECTION 1: OVERVIEW OF THE IT DEPARTMENT

The IT department at our university is dedicated to leveraging cutting edge technology to enhance both academic and administrative experiences. Established in 2016, our department has been pivotal in driving the university's digital transformation journey. Our core functions encompass a wide array of services aimed at ensuring seamless connectivity, robust infrastructure, and comprehensive support across all technological domains.

OBJECTIVES

1. **Continuous Improvement:** We are committed to continuously improving our services and infrastructure to meet the evolving technological needs of the university community.
2. **Innovation:** Our objective is to drive innovation and creativity by exploring new technologies and implementing best practices in IT management.
3. **Accessibility:** We strive to ensure that technology remains accessible and user-friendly for all members of the university community, regardless of their level of expertise.
4. **Collaboration:** We promote collaboration and partnership across departments to enhance the integration and effectiveness of technology in achieving academic and administrative goals.

MISSION

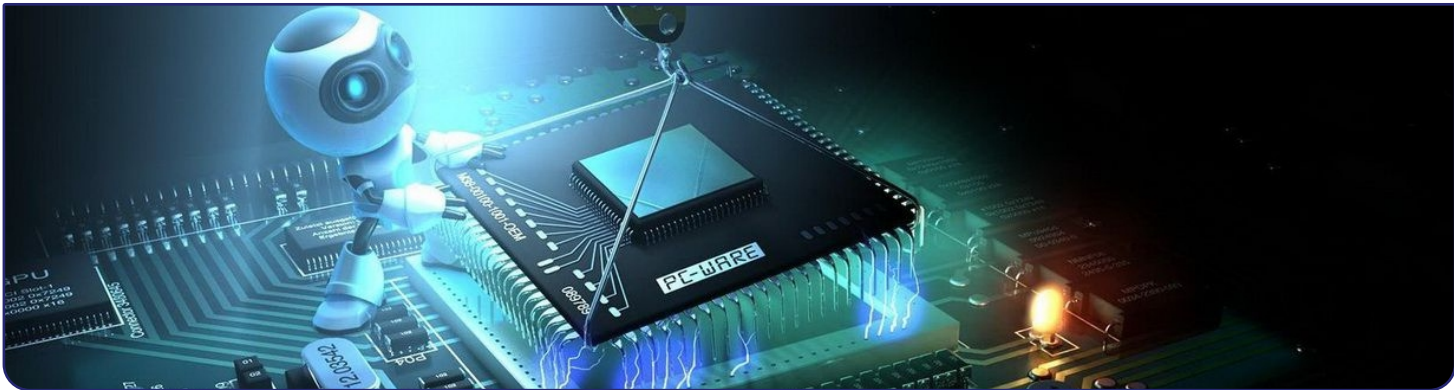
Our mission is to provide cutting-edge technology solutions and support services that empower every facet of academic and administrative life at our university. By fostering a culture of innovation, collaboration, and continuous improvement, we aim to position our university as a leader in leveraging technology to drive academic excellence and student success.

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
Batch 2	2017	2021
Batch 3	2018	2022
Batch 4	2019	2023

SECTION 2: MEET THE FACULTY

Our IT department is comprised of a diverse team of dedicated professionals, each bringing unique expertise and experience to the table. Get to know some of the key members who work tirelessly to ensure the smooth functioning of our university's technological infrastructure:



**MR. ARBAB HAIDER**

Head Of Information Technology Department
M.Phil. Computer Science

Mr. Arbab Haider leads our IT department with his extensive experience in strategic technology planning and management. With a Masters in Computer Science and a passion for innovation, he oversees the development and implementation of IT strategies that align with the university's mission and goals.



SECTION 4: INNOVATIONS AND INITIATIVES

SEMINAR ON MATHEMATICS & CREATIVITY INNOVATING THE FUTURE.

The "Seminar on Mathematics & Creativity: Innovating the Future" explored the symbiotic relationship between mathematics, computer science, and IT, showcasing how mathematical concepts drive innovation and creativity in technology. Through engaging discussions and presentations, participants gained insights into the interdisciplinary nature of these fields, paving the way for ground-breaking advancements and solutions in the digital age.



KAIMS SCIENCE FAIR

The "KAIMS Science Fair" provided a platform for showcasing the innovative projects and research endeavours of the CS/IT department, culminating in their well-deserved first position. Featuring a diverse array of exhibits and presentations, the event highlighted the department's commitment to excellence and its contributions to cutting-edge advancements in science and technology. Through collaborative efforts and ingenuity, the CS/IT department demonstrated its leadership in driving forward-thinking solutions and shaping the future of the scientific landscape.



CONCLUSION

As we navigate the digital frontier, our university's IT department remains at the forefront, guiding us towards a future where technology empowers learning, drives innovation, and fosters collaboration. Let us extend our gratitude to the dedicated professionals who work tirelessly behind the scenes to ensure that our university remains connected, secure, and prepared for the challenges and opportunities of tomorrow.

KAIMS CONVOCATION 2024

CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025



SCHEME OF STUDIES FOR BS INFORMATION TECHNOLOGY

1ST SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CIT-301	Introduction to Information & Communication Technology	3(2-1)
CSI-301	Programming Fundamentals	4(3-1)
ENG-322	English Composition & Comprehension	3(3-0)
MTH-323	Calculus & Analytical Geometry	3(3-0)
ISL-321	Islamic Studies	2(2-0)
ISL-322	Ethics (For Non-Muslims)	2(2-0)
TOTAL SEMESTER CREDIT HOURS 15		

2ND SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-302	Object Oriented Programming	4(3-1)
ENG-421	Communication Skills	3(3-0)
CSI-405	Discrete Structures	3(3-0)
PST-321	Pakistan Studies	2(2-0)
PHY-323	Basic Electronics	3(2-1)
TOTAL SEMESTER CREDIT HOURS 15		

3RD SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-401	Data Structure & Algorithms	4(3-1)
CSI-503	Database Systems	4(3-1)
ENG-422	Technical Writing	3(3-0)
CSI-512	Computer Networks	4(3-1)
ELE-401	Digital Logic Design	3(2-1)
TOTAL SEMESTER CREDIT HOURS 18		

4TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-402	Operating Systems	4(3-1)
CIT-408	Visual Programming	3(2-1)
CIT-406	Web Technologies	3(2-1)
SWE-401	Introduction to Software Engineering	3(3-0)
STA-321	Probability & Statistics	3(3-0)
TOTAL SEMESTER CREDIT HOURS 16		

5TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CIT-501	Information Technology Project Management	3(3-0)
CIT-505	System and Network Administration	3(2-1)
MTH-424	Linear Algebra	3(3-0)
CIT-504	Database Administration and Management	4(3-1)
	IT Elective-1	3
CIT-332	Operations Research	3(3-0)
TOTAL SEMESTER CREDIT HOURS 19		

6TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CIT-502	Information Technology Infrastructure	3(3-0)
CIT-603	Modeling and Simulation	3(2-1)
SWE-501	Software Requirement Engineering	3(3-0)
	IT Elective-2	3
	IT Elective-3	3
CSI-619	Information Security	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

7TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CIT-601	Virtual Systems and Services	4(3-1)
	IT Elective-4	3
	IT Elective-5	3
SWE-507	Human Computer Interaction	3(3-0)
GEO-510	Geographic Information System	3(3-0)
MGT-601	Entrepreneurship	3(3-0)
TOTAL SEMESTER CREDIT HOURS 19		

8TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CIT-631	Information Technology Infrastructure	6(0-6)
CIT-604	Modeling and Simulation	3(3-0)
CSI-407	Software Requirement Engineering	3(3-0)
MKT-401	IT Elective-2	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

TOTAL CREDIT HOURS

135

WELCOME TO THE DEPARTMENT OF COMPUTER SCIENCE IN KAIMS

WHAT IS COMPUTER SCIENCE?

Computer science is the study of computation, encompassing the design and development of software systems. It delves into algorithms, data structures, programming languages, computer architecture, operating systems, networking, artificial intelligence, and more. Computer scientists are the architects of the digital world, creating the tools and technologies that shape our lives.

WHY CHOOSE A BS IN COMPUTER SCIENCE?



- ▶ **High Demand:** Computer science professionals are in high demand across various industries.
- ▶ **Lucrative Careers:** The field offers competitive salaries and excellent job prospects.
- ▶ **Impactful Work:** You'll contribute to solving real-world problems and shaping the future.
- ▶ **Intellectual Challenge:** Computer science fosters creativity, critical thinking, and problem-solving skills.
- ▶ **Versatility:** A CS degree opens doors to diverse career paths, from software development to cybersecurity, data science, and beyond.

OUR BS IN COMPUTER SCIENCE PROGRAM

The BS program provides a strong foundation in computer science fundamentals. Here's a glimpse into what you can expect:

- **Core Courses:** These courses delve into core CS concepts like algorithms, data structures, programming languages, computer architecture, operating systems, and databases.
- **Elective Courses:** You can explore specialized areas like artificial intelligence, machine learning, software engineering, human-computer interaction, computer graphics, and network security.



FURTHER EXPLORATION

To delve deeper into the world of computer science, consider these resources:

Books: Introductory computer science texts and biographies of renowned computer scientists.

Online Courses: Explore introductory CS courses offered on platforms like Coursera, edX, or Udacity.

Coding Bootcamps: Immerse yourself in intensive programming bootcamps for specific programming languages or disciplines.

Tech Blogs and Podcasts: Stay up-to-date with industry trends and news through tech blogs and podcasts.



**MR. ABDUL MAJID KHOKHAR**

Head Of Computer Science Department
M.Phil. Computer Science

This department equips students with the knowledge and skills to excel in the dynamic field of computer science. In KAIMS International Institute Bachelor of Science (BS) degree program prepares you to become a problem-solver, an innovator, and a leader in the ever-evolving world of technology.

THE FUTURE OF COMPUTER SCIENCE

The field of computer science is constantly evolving, offering exciting opportunities for innovation and growth. With a strong foundation in CS, you'll be well-equipped to shape the future of technology, tackle complex challenges, and build a fulfilling career.

The field of computer science, once a niche pursuit, has become the beating heart of the modern world. From the smartphones in our pockets to the algorithms shaping our online experiences, computer science underpins nearly every facet of our lives. A Bachelor of Science in Computer Science (BS CS) equips graduates with the foundational knowledge and practical skills to thrive in this ever-evolving landscape. This comprehensive analysis delves into the future scope of a BS CS degree, exploring the projected job market, emerging technologies, and the ever-expanding frontiers of this dynamic discipline.

A BS CS degree provides a strong foundation, but specialization can give graduates a competitive edge in the job market. Here's a glimpse into some exciting areas of specialization:



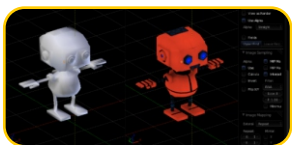
Artificial Intelligence: Graduates can specialize in areas like natural language processing, computer vision, robotics, or deep learning, focusing on developing intelligent systems that can learn and make decisions.



Human-Computer Interaction (HCI): Specialists in this field bridge the gap between humans and technology, designing user-friendly interfaces and experiences.



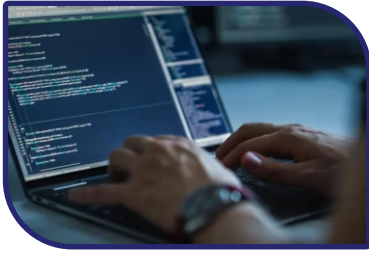
Bioinformatics: This field combines computer science with biology to analyze and interpret biological data, contributing to advancements in healthcare and biotechnology.



Computer Graphics and Visualization: Specialists in this area create stunning visuals for films, games, and simulations, pushing the boundaries of computer-generated imagery.



Cryptography: Graduates with expertise in cryptography can develop secure communication protocols and protect data from unauthorized access.



- **Programming Languages:** You'll gain proficiency in fundamental programming languages (e.g., C++, Java, Python) and potentially explore others based on your interests.
- **Projects and Labs:** Hands-on projects and labs allow you to apply your knowledge to real-world scenarios and build practical skills.
- **Internships and Research Opportunities:** Gain valuable experience and build your network through internships and research opportunities with faculty or industry partners.

FACULTY AND RESOURCES

Our department boasts a dedicated faculty of experienced computer scientists passionate about teaching and research. We provide a variety of resources to support your academic journey:

- ▶ **Modern Labs:** Access cutting-edge computer labs equipped with the latest software and hardware.
- ▶ **Academic Advising:** Get personalized guidance from faculty advisors throughout your program.
- ▶ **Career Services:** We offer career counseling, resume workshops, and job placement assistance.
- ▶ **Student Organizations:** Join vibrant student organizations to connect with peers, participate in competitions, and explore your interests.



BEYOND THE CLASSROOM

The BS in CS program prepares you for a successful career in technology. We encourage you to participate in:

- **Hackathons:** Collaborate with peers on coding challenges to develop innovative solutions.
- **Open-Source Projects:** Contribute to open-source software projects and gain valuable real-world experience.
- **Coding Competitions:** Test your skills and compete with national or international programmers.
- **Industry Events:** Attend workshops, conferences, and seminars to network with professionals and stay updated on industry trends.

GETTING STARTED

If you're passionate about technology and eager to make a difference, the BS in Computer Science program could be the perfect fit. Explore our department website for details on:

- ▶ **Admission requirements** ▶ **Curriculum information** ▶ **Course descriptions**
- ▶ **Faculty profiles** ▶ **Student testimonials** ▶ **Financial aid information**

KAIMS CONVOCATION 2024

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
Batch 2	2017	2021
Batch 3	2018	2022
Batch 4	2019	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025
Batch 7	2022	2026



SCHEME OF STUDIES FOR BS COMPUTER SCIENCE

1ST SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AAF-302	Financial Accounting	3(3-0)
ISL-311	Translation of The Holy Quran-I	1(1-0)
CSI-321	Introduction to Computing Applications	3(2-1)
ISL-321	Islamic Studies/Ethics	2(2-0)
ENG-322	English Composition & Comprehension	3(3-0)
MTH-323	Calculus & Analytical Geometry	3(3-0)
ECO-408	Issues in Pakistan Economy	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

2ND SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-302	Programming Fundamentals	4(3-1)
CSI-304	Discrete Structures	3(3-0)
PST-321	Pakistan Studies	2(2-0)
MTH-324	Multi-variate Calculus	3(3-0)
ELE-401	Digital Logic Design	4(3-1)
ENG-422	Technical Writing	3(3-0)
TOTAL SEMESTER CREDIT HOURS 19		

3RD SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
STA-321	Introduction to Statistical Theory	3(3-0)
PHY-323	Basic Electronics	3(2-1)
SWE-401	Introduction to Software Engineering	3(3-0)
CSI-401	Object Oriented Programming	4(3-1)
CSI-405	Computer Networks	4(3-1)
ISL-411	Translation of The Holy Quran-II	1(1-0)
MTH-423	Differential Equations	3(3-0)
TOTAL SEMESTER CREDIT HOURS 21		

4TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-402	Data Structure and Algorithms	4(3-1)
CSI-406	Computer Organization and Assembly Language	3(3-0)
CSI-408	Database Systems	2(2-0)
CSI-410	Wireless Communication	3(3-0)
CSI-412	Numerical Computing	4(3-1)
TOTAL SEMESTER CREDIT HOURS 18		

5TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
ENG-421	Communication	3(3-0)
MTH-424	Skills Linear Algebra	3(3-0)
CSI-501	Web Design and Development	3(2-1)
CSI-503	Professional Practices	3(3-0)
CSI-505	Operating Systems	4(3-1)
ISL-511	Translation of The Holy Quran-III	1(1-0)
TOTAL SEMESTER CREDIT HOURS 17		

6TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-502	Artificial Intelligence	4(3-1)
CSI-504	Design and Analysis of Algorithms	3(3-0)
CSI-506	Theory of Automata	3(3-0)
CSI-508	Fundamentals of Data Mining	3(3-0)
CSI-512	Distributed Database Systems	3(2-1)
TOTAL SEMESTER CREDIT HOURS 16		

7TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
SOC-307	Introduction to Sociology	3(3-0)
CSI-601	Mobile and Application Development	3(2-1)
CSI-603	Parallel and Distributed Computing	3(3-0)
CSI-605	Compiler Construction	3(3-0)
ISL-611	Translation of The Holy Quran-IV	1(1-0)
CSI-630A	Project(Proposal)	2(0-2)
TOTAL SEMESTER CREDIT HOURS 15		

8TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CSI-602	Computer Graphics	3(2-1)
CSI-604	Information Security	3(3-0)
xxx-xxx	Foreign Language *Department can offer any one of the following languages Chinese , French, German, English, Persian, Arabic	3(3-0)
CSI-630B	Project(Final)	4(0-4)
TOTAL SEMESTER CREDIT HOURS 13		

TOTAL CREDIT HOURS**137**

MATHEMATICS AT KAIMS

ACTIVITIES

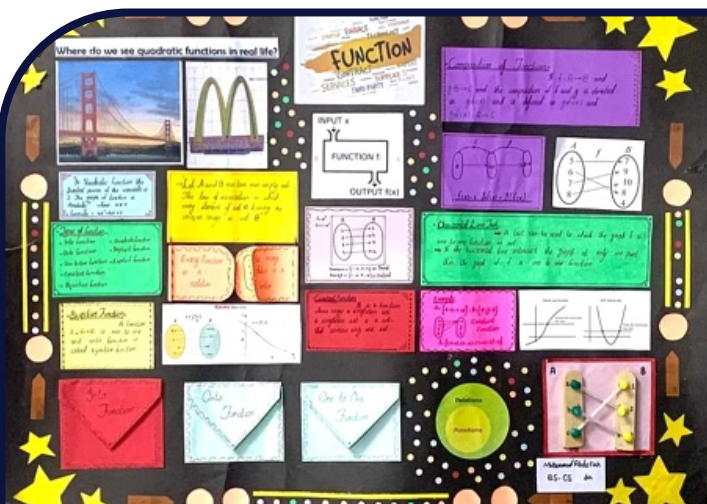
One day Seminar on **Mathematics and Creativity: Innovating the future of Computer science**

SPONSORED BY KAIMS CAREER DEVELOPMENT SOCIETY

That's a fascinating topic! Mathematics and creativity are both essential components of innovation in computer science. By embracing both mathematics and creativity, computer scientists can push boundaries, drive innovation, and shape the future of technology!



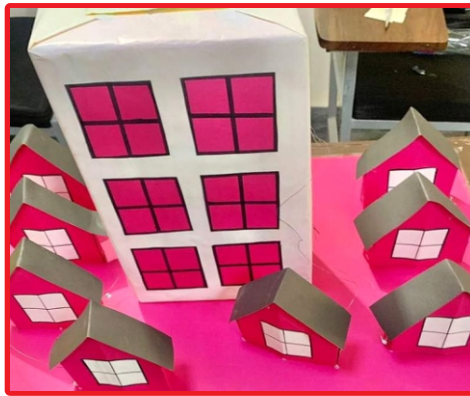
Applications of Function in Daily life



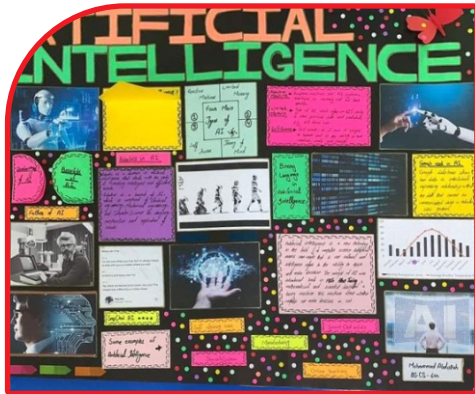
Traffic Flow Model

Math allows us to model and simulate real-world phenomena, enabling creative solutions in fields.



GAME THEORY**MINIMUM SPANNING TREE****SOCIAL NETWORKING****ARTIFICIAL INTELLIGENCE**

Math is the backbone of AI and ML, while creative approaches are needed to develop innovative applications and improve their performance.

**ARTIFICIAL INTELLIGENCE****ENCODING AND DECODING****ANALOG CLOCK****KAIMS INTERNATIONAL INSTITUTE WORLD SCIENCE DAY**

WELCOME TO THE DEPARTMENT OF MANAGEMENT SCIENCES AT KAIMS

KAIMS International Institute Multan was established in 2016. The department of Management sciences was introduced in 2016. Department of Management Sciences is dedicated to excellence in education, research, and community service. We strive to create a dynamic and supportive environment that fosters innovation, critical thinking, and leadership.

In today's rapidly changing global landscape, the role of management professionals has never been more crucial. Our program (BBA hons) is designed to equip you with the knowledge, skills, and practical experience necessary to navigate and succeed in this complex environment. We offer a comprehensive curriculum that covers key areas such as strategic management, organizational behavior, marketing, finance, and operations management.

Our faculty members are distinguished scholars and industry experts who bring a wealth of experience and insight into the classroom. They are committed to mentoring and guiding you throughout your academic journey, ensuring that you are well-prepared to meet the challenges of the business world.

In Management Sciences department students try to develop business strategies. Total (4 Batches (2016 to 2019) and around 300 plus students pass out from KAIMS and working in different public and private sectors. Bachelor of Business Administration degree covers different case studies, projects and presentations skills and knowledge in students. We are also proud of our vibrant community of students and alumni, who are making significant contributions in various sectors around the globe.



Subhan Javed

Head Of Management Science Department

Ms Management Science



KAİMS

CONVOCATION

2024

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
Batch 2	2017	2021
Batch 3	2018	2022
Batch 4	2019	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025
Batch 7	2022	2026



SCHEME OF STUDIES FOR BBA

BACHELOR OF BUSINESS ADMINISTRATION

1ST SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-301	Introduction to Information Technology	3(3-0)
BBA-303	Introduction to Psychology	3(3-0)
BBA-305	Freshman English	3(3-0)
BBA-307	Pakistan Studies	3(3-0)
BBA-309	Islamic Studies	3(3-0)
BBA-311	Fundamentals of Accounting	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

2ND SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-302	Business Mathematics	3(3-0)
BBA-304	Financial Accounting	3(3-0)
BBA-306	Logic	3(3-0)
BBA-308	Micro Economics	3(3-0)
BBA-310	Technical Writing & Professional Speech Communication	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

3RD SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-401	Oral Communication	3(3-0)
BBA-403	Statistics	3(3-0)
BBA-405	Introduction to Sociology	3(3-0)
BBA-407	Cost Accounting	3(3-0)
BBA-409	Macro Economics	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

4TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-402	Business Communication	3(3-0)
BBA-404	Statistical Inferences	3(3-0)
BBA-406	Human Resource Management	3(3-0)
BBA-408	Business Finance	3(3-0)
BBA-410	Principles of Management	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

5TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-501	Financial Management	3(3-0)
BBA-503	Marketing Management	3(3-0)
BBA-505	Business Research Methods	3(3-0)
BBA-507	Calculus	3(3-0)
BBA-509	Pakistan Economy	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

6TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-502	Money and Banking	3(3-0)
BBA-504	Consumer Behavior	3(3-0)
BBA-506	Human Resource Management	3(3-0)
BBA-508	Business Ethics	3(3-0)
BBA-510	Business Law	3(3-0)
BBA-512	Total Quality Management	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

7TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-601	Organizational Behavior	3(3-0)
BBA-603	Operations/Production Management	3(3-0)
BBA-605	Global/International Business	3(3-0)
	Elective-I	3(3-0)
	Elective-II	3(3-0)
	Elective-III	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

8TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BBA-602	Entrepreneurship	3(3-0)
BBA-604	Management Information System	3(3-0)
BBA-606	Research Project / Internship and Viva	3(0-3)
	Elective-I	3(3-0)
	Elective-II	3(3-0)
	Elective-III	3(3-0)
TOTAL SEMESTER CREDIT HOURS 18		

TOTAL CREDIT HOURS**132**

WELCOME TO THE DEPARTMENT OF THE MEDICAL LABORATORY TECHNOLOGY (MLT)

INTRODUCTION

Welcome to the Department of Medical Laboratory Technology (MLT) at KAIMS International Institute Multan. As the Head of the Department, I am proud to introduce you to a dynamic and innovative program at the forefront of medical diagnostics and research.

Our MLT department is dedicated to providing top-tier education and hands-on training to future medical laboratory technologists. Our comprehensive curriculum is designed to equip students with the knowledge and skills necessary to excel in the fast-paced and ever-evolving field of medical laboratory science. We offer a range of courses covering key areas such as Clinical biochemistry, Microbiology, Immunology, Hematology, and Molecular diagnostics.



HEAD OF DEPARTMENT'S MESSAGE



Our state-of-the-art laboratories are equipped with the latest technology and instrumentation, providing students with invaluable practical experience. Additionally, our partnerships with leading healthcare institutions offer students internships and real-world training opportunities, ensuring they are well-prepared to enter the workforce. Our faculty comprises experienced

professionals and researchers who are dedicated to mentoring and guiding students. Their expertise and commitment to excellence foster a learning environment that encourages critical thinking, innovation, and professional growth. At the Department of Medical Laboratory Technology, we are not just training technologists but shaping the future of healthcare. Join us as we continue to advance the science of diagnostics and improve patient care through education, research, and innovation.

BEST REGARDS

Dr. Saira Saeed

Head Of Medical Lab Technology Department
PhD, Microbiology and Molecular Genetics

KAIMS INTERNATIONAL DIAGNOSTIC CENTRE (KIDC)

Medical laboratory or Diagnostic Centre is a laboratory where tests are conducted out on clinical specimens to obtain information about the health of a patient to aid in diagnosis, treatment, and prevention of disease. Clinical medical laboratories are an example of applied science, as opposed to research laboratories that focus on basic science, such as found in some academic institutions. KAIMS INTERNATIONAL Diagnostic Centre (KIDC) is established to use sophisticated biomedical instrumentation, as well as manual procedures, to perform testing and provide results that are essential in the diagnosis, treatment, and prevention of disease. It is estimated that over 70% of all medical decisions are based in part on laboratory results. The Medical Laboratory Technician has diverse and multi-level functions in the areas of collecting, processing, and analyzing biological specimens and other substances, principles and methodologies, performance of assays, problem solving, troubleshooting techniques, correlation of clinical procedures and results, principles and practices of quality assessment for all major areas: clinical chemistry, hematology, immunology, immunochemistry, microbiology, and molecular biology practiced in the contemporary clinical laboratory. Medical Laboratory Technicians practice independently and collaboratively, being responsible for their own actions, as defined by the profession. They have the requisite knowledge and skills to educate laboratory professionals, other health care professionals, and others in the laboratory practice as well as the public.



KAIMS

CONVOCATION

2024

GRADUATED BATCHES

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Batch 1	2016	2020
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Batch 3	2018	2022
Batch 4	2019	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025
Batch 7	2022	2026



SCHEME OF STUDIES FOR BS MEDICAL LABORATORY TECHNOLOGY

1ST SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AHP-301	Basic and Applied Anatomy	4 (3-1)
AHP-303	Basic and Applied Physiology	4 (3-1)
PSY-407	Social Psychology	3 (3-0)
ENG-321	English for Academic Purpose	3 (3-0)
ISL-321	Islamic Studies	2 (2-0)
TOTAL SEMESTER CREDIT HOURS 16		

2ND SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AHP-302	General Pathology	4 (3-1)
AHP-304	Introductory Pharmacology	2 (2-0)
BCH-301	Introductory Biochemistry	4 (3-1)
CSI-421	Computer Applications in Biology	3 (2-1)
PST-321	Pakistan Studies	2 (2-0)
MLT-306	Fundamentals of Medical Lab Technology	2 (2-0)
TOTAL SEMESTER CREDIT HOURS 17		

3RD SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AHP-401	Community Medicine/ Public Health	3 (2-1)
MIC-321	General Microbiology & Sterilization	3 (2-1)
MLT-403	General Hematology	4 (3-1)
MLT-405	Clinical Pathology	3 (2-1)
MLT-407	Clinical Lab Practice-I	3 (0-3)
TOTAL SEMESTER CREDIT HOURS 16		

4TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AHP-402	Scientific Writing	2 (2-0)
MLT-404	Clinical Biochemistry (I & II) 4	4 (3-1)
MLT-406	Immunology & Serology	4 (3-1)
MLT-408	Histopathology & Histotechnology	4 (3-1)
MLT-410	Clinical Lab Practice-II	3 (0-3)
TOTAL SEMESTER CREDIT HOURS 17		

5TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
MLT-501	Clinical Parasitology	3 (2-1)
MLT-503	Immunohematology & Transfusion Medicine	3 (2-1)
MLT-505	Clinical Bacteriology	4 (3-1)
MLT-507	Biosafety and Hazards	2 (2-0)
MLT-509	Medical Instrumentations & Software Applications	3 (3-0)
MLT-511	Clinical Lab Practice-III	3 (0-3)
TOTAL SEMESTER CREDIT HOURS 18		

6TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
MLT-502	Cytology & Cytotechnology	3 (2-1)
BNB-321	Molecular Biology	3 (2-1)
MLT-504	Clinical Virology & Mycology	3 (2-1)
MLT-506	Advanced Hematology	3 (2-1)
MLT-508	Advanced Immunology	3 (2-1)
MLT-510	Clinical Lab Practice-IV	3 (0-3)
TOTAL SEMESTER CREDIT HOURS 18		

7TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AHP-601	Forensic Medicine	3 (3-0)
STAT-421	Biostatistics	3 (3-0)
MLT-603	Advanced Clinical Biochemistry	4 (3-1)
MLT-605	Advanced Clinical Microbiology	
MLT-607 A	Advanced Molecular Biology	
MLT-609	Advanced Diagnostic & Biomedical Techniques	3 (2-1)
MLT-611	Quality Assurance Management	2 (2-0)
MLT-613	Clinical Genetics	3 (2-1)
TOTAL SEMESTER CREDIT HOURS 18		

8TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
AHP-602	Epidemiology	3 (3-0)
BNB-402	Bioinformatics-I	3 (2-1)
PHS-503	Endocrinology	3 (2-1)
MLT-604	Clinical Laboratory Management	3 (3-0)
MLT-606	Research Project/Term Paper	3 (0-3)
TOTAL SEMESTER CREDIT HOURS 15		

TOTAL CREDIT HOURS
135

WELCOME TO THE DEPARTMENT OF BIOCHEMISTRY DEPARTMENT

Welcome to the Biochemistry Department at KAIMS International Institute, Multan. As the head of this dynamic department, I am thrilled to share our passion for exploring the molecular intricacies of life. Our mission is to unravel the complexities of biological molecules and processes, paving the way for groundbreaking discoveries that drive advancements in medicine, biotechnology, and environmental science. We offer a cutting-edge curriculum that combines rigorous academic training with hands-on research, providing our students with the tools they need to excel in the fast-evolving field of biochemistry. Our state-of-the-art laboratories are hubs of innovation, where faculty and students collaborate on pioneering projects that address real-world challenges. Join us in our quest to decode the molecular secrets of life and contribute to a future where biochemistry plays a pivotal role in improving global health and sustainability.

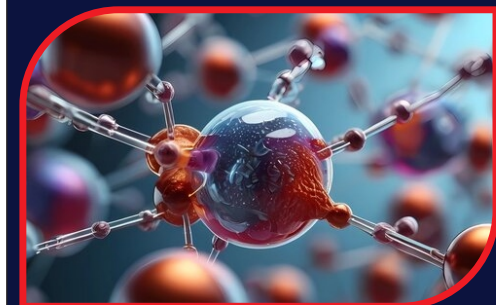
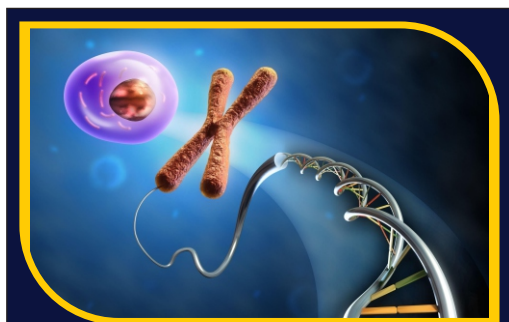


AIM OF BIOCHEMISTRY

- **Elucidate** the molecular basis of life processes
- **Understand** how biomolecules interact and regulate each other
- **Develop** new treatments and therapies for diseases
- **Improve** understanding of human health and disease
- **Apply** knowledge to develop new drugs, diagnostics, and therapies



The objectives of biochemistry include



1. Understanding the chemical nature of biomolecules and their interactions.
2. Elucidating the structure and function of biomolecules, including proteins, carbohydrates, lipids, and nucleic acids.
3. Deciphering the metabolic pathways and enzyme kinetics that regulate biochemical processes.
4. Exploring the molecular basis of cellular signaling and communication.
5. Understanding the regulation of gene expression and protein synthesis.
6. Investigating the molecular mechanisms of diseases and developing new diagnostics and therapies.
7. Discovering new drugs and developing rational drug design approaches.
8. Improving crop yields and developing new biomaterials through agricultural biochemistry.
9. Understanding the molecular basis of human health and disease.
10. Advancing biotechnology and its applications in medicine, industry, and agriculture.

CHEMISTRY AT KAIMS

The Chemistry Department is a vibrant community of scholars, researchers, and students passionate about understanding the building blocks of matter and their interactions. Our department is dedicated to:

- **Advancing knowledge in chemical sciences through innovative research**
- **Providing high-quality education and training for future chemists and scientists**
- **Fostering a culture of collaboration, creativity, and critical thinking**

Our faculty and students are engaged in cutting-edge research, exploring new frontiers in areas such as:

- **Drug discovery and development** . **Sustainable energy and environment**
- **Biomedical research and diagnostics** . **KAIMS International Institute, Multan**

KAIMS CONVOCATION 2024

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
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Batch 3	2018	2022
Batch 4	2019	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025
Batch 7	2022	2026

SCHEME OF STUDIES FOR BS BIOCHEMISTRY

1ST SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BCH-301	Introductory Biochemistry	4 (3-1)
ENG-321	Functional English	3 (3-0)
ISL-321/ ISL-322	Islamic Studies/ Ethics (For Non-Muslim only)	2(2-0)
MTH-321	Algebra and Trigonometry	3 (3-0)
CHM- 301	Fundamentals organic Chemistry	3 (2-1)
SOC- 307	Introduction to Sociology	3 (3-0)
ISL-311	Translational of the Holy Quran I	1 (1-0)
TOTAL SEMESTER CREDIT HOURS 19		

2ND SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BCH- 302	Biochemistry of Carbohydrates	3 (2-1)
BCH-401	Biochemistry of Lipids	3(2-1)
ENG-322	English Comprehension and Composition	3 (3-0)
PST-321	Pakistan studies	2 (2-0)
CHM-302	Fundamental Inorganic Chemistry	4(3-1)
MIC-301	Introductory Microbiology	3 (2-1)
TOTAL SEMESTER CREDIT HOURS 18		

3RD SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
CHM-401	Fundamental Physical Chemistry	4(3-1)
BCH-403	Biochemistry of Nucleic Acids	3(3-0)
ENG- 421	Communication Skills	3(3-0)
CSI-321	Introduction to Computing Applications	3 (3-0)
BCH-405	Amino Acids and Proteins	3(2-1)
ISL-411	Translational of the Holy Quran II	1 (1-0)
TOTAL SEMESTER CREDIT HOURS 17		

4TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BCH- 402	Human Physiology	3(3-0)
BCH- 404	Cell Biology	3(2-1)
BCH- 406	Molecular Biology	3(3-0)
STA-507	Biostatistics	3(3-0)
CHM-402	Fundamental analytical Chemistry	4(3-1)
BIT-405	Introduction to Biotechnology	3(3-0)
TOTAL SEMESTER CREDIT HOURS 19		

5TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BCH-501	Genetics	3(3-0)
BCH-503	Enzymology	3(2-1)
BCH-505	Biosafety & Bioethics	3(2-1)
BCH-507	Biochemical Techniques	3(2-1)
BCH-509	Plant Biochemistry	3(3-0)
BCH-511	Environmental Biochemistry	3(2-1)
ISL-511	Translational of the Holy Quran III	1 (1-0)
TOTAL SEMESTER CREDIT HOURS 19		

6TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BCH-502	Nutritional Biochemistry	3(2-1)
BCH- 504	Industrial Biochemistry	3(2-1)
BCH-506	Bio membranes & Cell Signaling	3 (3-0)
BCH-508	Bioenergetics	3(3-0)
BCH-606	Metabolism I	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

7TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BCH-601	Current Trends in Biochemistry	3(3-0)
BCH-603	Metabolism II	3(3-0)
BCH-605	Fermentation Biotechnology	3(3-0)
BCH-607	Computational Methods for Biological System	3(2-1)
BCH-602	Immunochemistry	3(3-0)
TOTAL SEMESTER CREDIT HOURS 15		

8TH SEMESTER

COURSE NO.	COURSE TITLE	CR. HR.
BNB-504	Genomics (Elective II)	3(3-0)
BCH-604	Antimicrobials & Chemotherapy	3(3-0)
BCH-606	Research Planning and Report Writing	3(3-0)
BCH-608	Clinical Biochemistry	3(2-1)
BCH-632	Internship/project	3(0-3)
TOTAL SEMESTER CREDIT HOURS 15		

TOTAL CREDIT HOURS**137**

WELCOME TO THE MICROBIOLOGY DEPARTMENT

Welcome to the Microbiology Department at KAIMS International Institute. As the head of the department, I am delighted to share our commitment to excellence in research, education, and innovation. Our dedicated faculty and researchers are passionate about exploring the unseen world of microorganisms, which play crucial roles in our environment, health, and industry. We offer a comprehensive and dynamic learning experience that equips students with the knowledge and skills necessary to excel in various scientific and professional fields. Through cutting-edge research and state-of-the-art laboratories, we delve into the complexities of microbial life, from understanding pathogens and developing new antibiotics to harnessing microbes for biotechnology and environmental sustainability. Our collaborative and inclusive community fosters critical thinking, creativity, and a passion for scientific discovery. We invite you to join us in our mission to advance the frontiers of microbiology and make meaningful contributions to science and society.

BEST REGARDS

Dr. Saira Saeed

Head Of Microbiology Department
PhD, Microbiology and Molecular Genetics



AIM OF MICROBIOLOGY

- **Advance** our understanding of the microbial world
- **Improve** human health and well-being
- **Develop** new technologies and products
- **Protect** the environment and public health
- **Address** global challenges in infectious diseases, food security, and sustainability



The objectives of microbiology include

1. Identification and classification of microorganisms
2. Understanding microbial physiology and biochemistry
3. Studying microbial genetics and genomics
4. Exploring microbial ecology and environmental interactions
5. Understanding microbial pathogenesis and disease mechanisms
6. Developing new diagnostic techniques and tools
7. Discovering new antibiotics and antimicrobial therapies
8. Improving vaccine development and immunization strategies
9. Applying microbiological knowledge to food safety and quality control
10. Developing new biotechnological products and processes



KAIMS CONVOCATION 2024

GRADUATED BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 1	2016	2020
Batch 2	2017	2021
Batch 3	2018	2022
Batch 4	2019	2023



CURRENT BATCHES

BATCHES	SESSION	GRADUATION YEAR
Batch 5	2020	2024
Batch 6	2021	2025
Batch 7	2022	2026



FACILITIES FOR THE STUDENTS

➤ LIBRARY

As Bacon says, "Reading makes a full man", there can be no better place for reading except libraries. Our Institute also provides this essential facility to the students. It has approximately six thousand bound volumes on its stock. It provides reading atmosphere to the students. The students have an easy access to books, journals, magazines and newspapers. It is well housed, well equipped, well staffed and well managed. It has an outstanding reference section which contains valuable and rare collection of books.



➤ HEALTH CARE

Health Center provides medical aid to its students. A team of doctors and their staff is available in the dispensary located at the campus. Emergency and serious cases are referred to hospital for treatment.

➤ CANTEEN

There is a provision of canteen in the campus where the students can have eatables and soft drinks. A committee that ensures quality food items supervises the canteen. Food items are supplied to the students at reasonable and affordable rates.

➤ PARKING

The Campus provides parking facilities to the Campus students. In order to get benefit from it, the students are directed to contact Incharge parking stand.



➤ EXCURSIONS

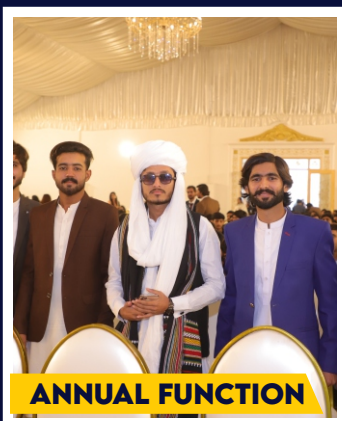
The Campus entertainment committee arranges excursions and recreational tours for both the students and the teachers alike. Such tours give them relaxation after tiring and exhausting work.



CO- CURRICULAR ACTIVITIES



ANNUAL DINNER 2023



ANNUAL FUNCTION



SPORTS GALA



SPORTS GALA



ANNUAL DINNER 2022



KASHMIR DAY 2022

INSTITUTE MAGAZINE

Acknowledgments By: The Editor

Message By: Honorable Director Every Month

A. Literary Block

1. Humor to smile
2. Poetry from heart
3. Short Stories from our lives
4. Essays for a reality check
5. Plays to be performed
6. Islamic education

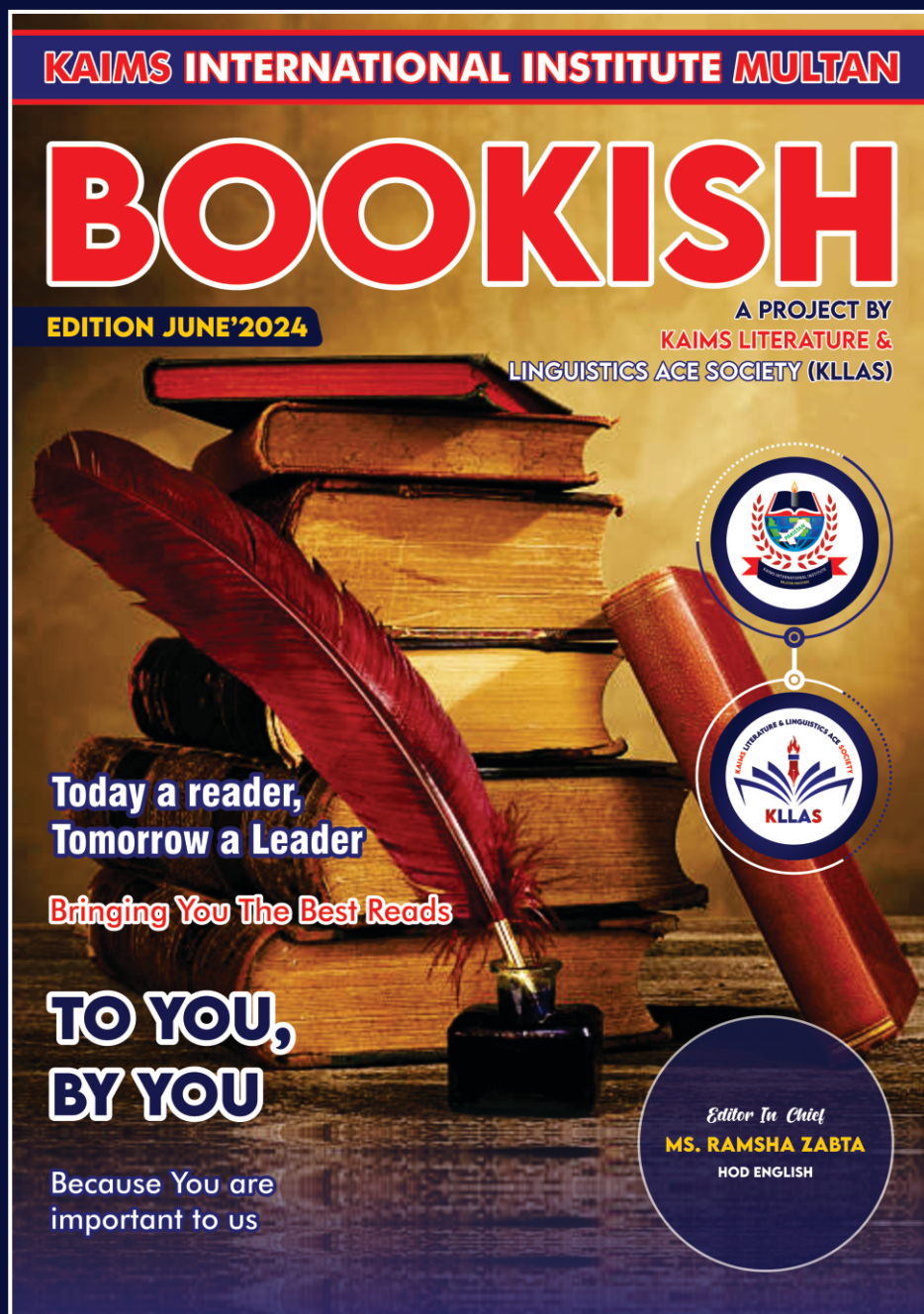
B. Teacher's Expertise:

Articles, suggestions, cures, by faculty and HODs Current affairs

C. Best 3 photographs of the month (From Students Lens)

D. Departmental Activity updates

1. Upcoming projects
2. Activities held along with pictures



CODE OF CONDUCT

STUDENTS' ID CARDS

All the students are required to display their ID cards, issued by the Institute office, during the Institute hours. Otherwise, they will be penalized. If an ID card is lost, a duplicate card will be issued on the payment of **Rs. 100/-**.

PROHIBITION OF MOBILE PHONES, SMOKING, ARMS, POLITICAL ACTIVITIES AND OUTSIDERS

- The use of mobile phones is strictly prohibited in the Institute. A fine up to **Rs. 500/-** will be imposed on the students for using mobile phones in the class. A fine of **Rs. 500/-** to 1000/- will be imposed on the students found listening music on the mobile phone. They may also be suspended from the Institute and directed to bring their parents in this regard.
- A fine of **Rs. 1000/-** will be imposed on students found smoking at the Institute campus
- No Institute student can keep arms of any category, licensed or unlicensed while at the Institute campus
- The students will not take part in any kind of political activities. If any student is found involved in any such activity, strict disciplinary action, entailing to fine or expulsion from the Institute or both the punishments, will be taken against him.
- Entry of outsiders in the Institute is strictly prohibited. If detected, they will be handed over to the police. The students are not allowed to bring any outsider with them. Those found responsible will be suspended from the Institute and heavy fine will be imposed on them.

RUSTICATION FROM THE INSTITUTE

A student found involved in gross violation of discipline (i.e. quarrelling, shouting, firing, using abusive language) and undesirable activities shall be rusticated from the Institute for a period of 1 to 3 years on the recommendation of the Discipline Committee.

KAIMS

International Institute, Multan



Admission Form

Name of Applicant: _____

Program: _____

Session: _____

Reg. No: _____

Institute Id: _____

Ref.(if any): _____

Admission Form



KAIMS International Institute, Multan

Personal Profile

Program Applied For _____

Part: I ☐ II ☐ Morning ☐ Evening ☐

Photograph

First Name: _____

Last Name: _____

Father/Guardians Full Name: _____

Occupation of Father/Guardian: _____ Monthly Income _____

Address: _____

Home Landline No. _____ Cell No Student. _____

E-mail: _____ Cell Father/Guardians: _____

Gender: M ☐ F ☐ Marital Status: _____ Blood Group: _____

Date of Birth:

D	D

 -

M	M

 -

Y	Y	Y	Y

District: _____ Province: _____ Domicile: _____

Medical Status: _____ Medical Fitness Certificate: _____

CNIC No.:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Board/University Educational Background

1. List below in chronological order, the School/College/University you have attended.

Qualification	Board/University	Session	Marks obtained/ Total Marks	Grade/Percentage

Fee Structure

	Full Fee	Agree/ Discounted
Admission Fee (Non-Refundable)	<input type="text"/>	<input type="text"/>
Tuition Fee per Semester/Annual	<input type="text"/>	<input type="text"/>
Sports charges per Year	<input type="text"/>	<input type="text"/>
Registration Fee (Once)	<input type="text"/>	<input type="text"/>
Exams Fee per semester/Annual	<input type="text"/>	<input type="text"/>
University Share semester/Annual	<input type="text"/>	<input type="text"/>
Total Fee	<input type="text"/>	<input type="text"/>

Instalment Plan

(Only for Deserving Students)

	Amount	Date
1st Instalment	<input type="text"/>	<input type="text"/>
2nd Instalment	<input type="text"/>	<input type="text"/>
3rd Instalment	<input type="text"/>	<input type="text"/>
4rth Instalment	<input type="text"/>	<input type="text"/>

Facility Required

			Full Fee	Agreed Fee
Hostel: _____	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text"/>	<input type="text"/>
Transport: _____	<input type="text" value="Yes"/>	<input type="text" value="No"/>	<input type="text"/>	<input type="text"/>

Scholarship

Terms & Conditions

1. To abide by all the honor codes/codes of conduct of the institute.
2. To Follow Institution's rules and regulations, academic calendar, ventures, seminars, workshops etc for academic integrity of the institute.
3. Fee paid once, is neither refundable, nor transferable, whoever, it is freezed with special permission from higher authority subject to the procedures/rules & regulations determined on move of application for freezing of fee, no presumption can be taken for freezing of fee, hence fee once paid is applicable for current semester/session so if a student has paid fee and remained unable to attend the classes will pay fee again for same subjects/semester, on again taking of classes.
4. Dues/Fee agreed mutually are exclusive of university dues/charges unless otherwise agreed.
5. In case of any misbehave/disciplinary issues, the descion of disciplinary commiettee will be final and is non-appealable in any other forum of Justice and court of law.
6. Institute reserves the right to cancel any admission, to increase/decrease no of students in any class, shift the classes from one time to another time, days etc, on happening of some reasonable circumstances, a student, if wishes to discontinue, have to make an application to management, and after due inquiry, management will decide the case of refund on case to case basis.
7. If any admission is cancelled or not enrolled on the part of student due to failure of non-availablity of necessary documents or fee, (Institute or University), management will not be responsible for such cancellation
8. In case of migration of a student, no NOC will be issued before payment of full tuition fee of institute for whole program.

Note: Institute can increase Tuition Fee per Semester/Annual due to inflation from agreed Fee at the time of admission at any stage during the Degree

Official Use Only

Accepted ☐

Rejected ☐

Dated: _____

Interviewed by: _____

Chairman Admission Committee: _____

Fee Code:

Signature: _____ Dated: _____



A Project of AL-KIEWF Foundation (KAIMS INTERNATIONAL Education Welfare Foundation)



www.kaims.edu.pk



061-6220022, 03000-453222, 03000-454222



**Northern Bypass, Model Town, Near Bosan Road, Multan
Punjab, Pakistan.**