



**IQRA COLLEGE OF TECHNOLOGY (ICT)**

# **PROSPECTUS**

**Diploma of Associate Engineer  
(DAE)**



**Iqra College of Technology**

Sector H-10/4, Islamabad,  
Phone No. 051-9258041-3, Website: [www.iiu.edu.pk](http://www.iiu.edu.pk)



To get Directions on Map scan the QR code with your smart phone

**INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD**









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## ISLAMABAD THE BEAUTIFUL

Islamabad, the capital of Pakistan, is situated against the backdrop of magnificent Margallah Hills at the northern edge of potohar plateau, lush green, spacious and peaceful, Islamabad is reckoned as one of the most beautiful and well planned cities in the world.

The City came into life with the decision of making it the capital, besides government offices Embassies, Multinational Corporations and institutions, Islamabad has many attractions for visitors. Margallah Hills provide best opportunities for hiking and trekking, Pir Sohawa, a beautiful place at the top of hills, gives everyone a good time walking and eating while taking the views of beautiful city, museums like Islamabad Museum, Natural History Museum and Lok Virsa are there to educate the interested peoples about history and culture of the region.

Islamabad city, a quiet and adventurous, may feel that something is wanting, but its sincerity along-with its scenery is something no one fails to notice and appreciate. The scenery is spectacular and breathtaking with lovely mountains and green gardens

## WEATHER

Islamabad's weather is pleasant; its excellent during Spring and Autumn and relatively hot and cold during Summer and 0-20 Degree Centigrade during Winter.





## UNIVERSITY AT A GLANCE

- President of Pakistan is the Chancellor of the University
- The University was established in 1401 A.H. (1980 A.D.) and was awarded charter in 1985 through an act of Parliament in order to implement a resolution of the Islamic Summit Conference.
- 43 eminent scholars from 11 countries are Members of the Board of Trustees.
- The University has an enrollment of over 30,000 students including 400-500 Doctoral and Post Graduate students from more than 40 countries.
- Exclusive campus for female students with enrollment of over 10,000
- Biggest University of the Potohar region.
- New campus spread over 704 acre of land in sector H-10, Islamabad
- Red bricks building with magnificent architecture design, based on Islamic tradition, spacious air-conditioned lecture rooms, modern auditoriums, seminar rooms and fully equipped labs with latest hardware/software facilities.
- Four major libraries: Central Library, IRI, Shariah Academy and Dawah Academy libraries having combined collection of over 0.3 million books. In addition to journals and periodicals etc.
- The University has a fleet of around 70 buses to provide transport facility to male and female students separately all over Islamabad, Rawalpindi and Taxila areas.
- Three Medical Centres and a model pathology laboratory
- Continued expansion in the fields of Islamic Sciences, Social Sciences, Natural Sciences and Medicines and Engineering Sciences







## VISION

To develop an international Islamic seat of higher learning, research instruction and training in various branches of knowledge with special emphasis on Islamic Studies, Science and Technology, Social Sciences and humanities to be taught, studies developed and reconstructed in such a way as to produce a balanced and harmonious human personality, duly informed of and embedded in the Islamic world. View and infused with Islamic idealism and fully aware of the human intellectual and scholastic heritage, including the most current development is human knowledge.



**Dr. Arif Alvi**

President of Pakistan/Chancellor, IIUI



**Prof. Dr. Masoom Yasinzaï**  
Rector



**Prof. Dr. Ahmed Salem Muhammad Al-Ameri**  
Pro-Chancellor



**Prof. Dr. Hathal Bin Hamoud**  
President



**Prof. Dr. Muhammad Tahir Khalily**  
Vice President (Academics)



**Prof. Dr. Nabi Bux Jumani**  
Vice President (AF&P)



**Dr. Aqdas Naveed Malik**  
Vice President (HSR)



**Dr. Muhammad Amir**  
Dean FET / Professor



## MISSION

- To develop the International Islamic University as the premier seat of the learning in South Asia with special emphasis on Islamic disciplines, the Hadith, Fiqah, History, Islamic Thought & Civilization Social & Natural Sciences occupying the central position.
- To highlight and define the relevance of Islam in changing modern times to the whole human life, in thoughts and action.
- To provide a sound intellectual and scholastic foundation for the ideological, moral, social and technological developments of the Muslim Ummah within the framework of values, ideals, principles and norms of the Islam.
- To produce skilled personnel for effective implementation of Islamic norms and values and management of Islamic Institution of Pakistan in particular and other parts of the world in general.
- To foster cooperation and promote mutual understanding among the institutions working for the advancement of Islamic learning and knowledge in different parts of the world for the realization of common objectives.
- To study and interpret the teachings of Islam in the context of the intellectual and scientific progress of the modern world.
- To encourage and promote education, training and research in different areas of learning such as social, natural, applied and communication sciences with special emphasis on Islamic learning.

## PRINCIPAL'S MESSAGE

Dear Young Technologists, Welcome to Iqra College of Technology (ICT), International Islamic University (IIU), Islamabad. I am humble and at the same time, I feel honored to write for you. Technology in today's Knowledge Worker Age is becoming a focal point for economic, industrial, agricultural, social and even political development of any country. In today's world, almost every day-to-day activity is primarily dependent on variety of technologies. So everyone needs to have the basic know how of technologies and there must be a young cross-section of population, who must have an in-depth knowledge and hands on experience of classical and emerging technologies. I invite you to study at ICT and receive technological knowledge need for the Knowledge Worker Age

and the wisdom required for the future Wisdom Age. At ICT, we are working hard to develop the technological competency as well as the character of our young students, who are the future leaders of technology in the world of work. I assure you that with your support and the dedication and commitment of our teaching and administrative team at ICT, very soon we together will achieve the best academic and administrative levels for which our journey at ICT started in 1995 and now moving forward in my tenure since May 2018. I wish the best for the young entrants of the current session in DAE and B-Tech programs at ICT, IIU. Stay blessed and happy. My advice to you is to "try to find your inner voice", "remain loyal to yourself and your Creator, All Might Allah", "Respect your parent, teachers and love your country".Pakistan Zindabad.

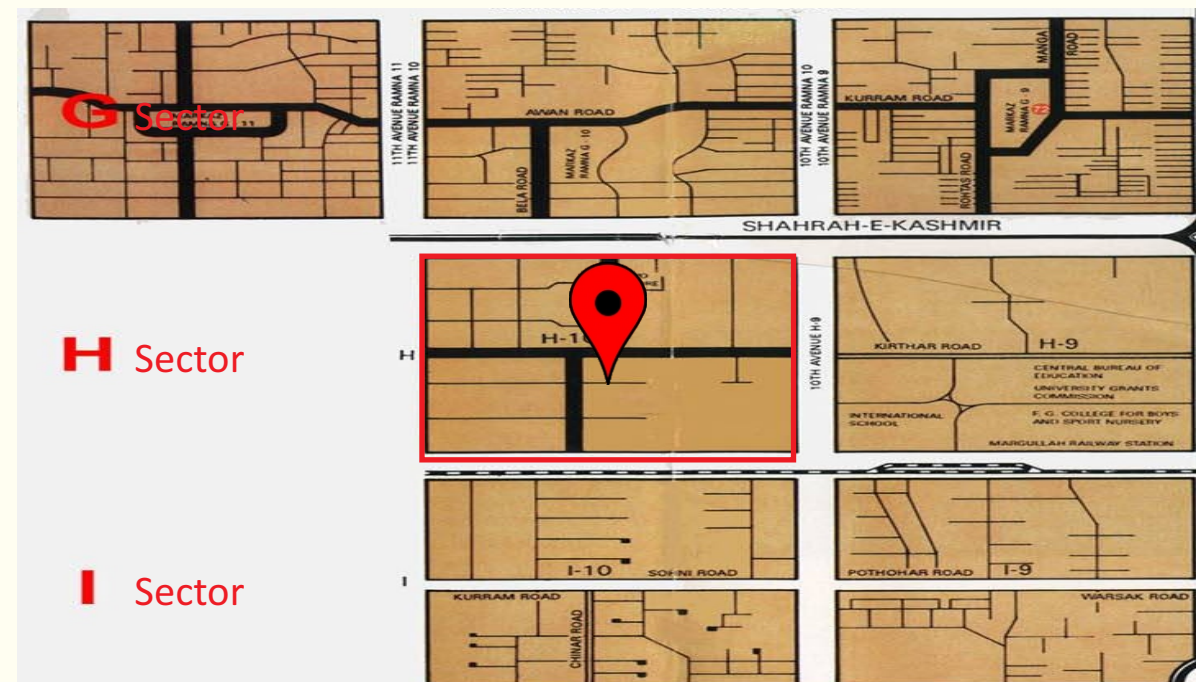
## INTRODUCTION

The foundation of the University was laid on the first day of the 15th Hijrah Century, Muharram 1, 1401 (November 11, 1980). This landmark of the beginning of the new century symbolizes the aspirations and hopes of the Muslim Ummah for an Islamic renaissance. The desire to produce scholars and practitioners, imbued with Islamic learning, character and personality, and capable to meet the economic social, political, and intellectual needs of modern times is the aim of this University.





# Iqra College of Technology



## LOCATION

The new campus is located at sector H-10 of Islamabad and is fast taking shape as a symbol of Islamic Architecture. Its 704 acre land provides ample scope for future expansion including housing for teachers, students and employees and sports facilities. All the teaching Faculties, a Central Library and a large number of student's hostels are located on this campus.

The old campus is located around the Faisal Masjid in Islamabad (46 acres). The four institutes and academics (Islamic Research Institute, Iqbal Institute of Research & Dialogue, Shariah Academy and Dawah Academy), Dr. Hamidullah Library, a six hundred seat Auditorium and a guest house are located on this campus.





## Iqra College of Technology



### INTERNATIONAL ISLAMIC UNIVERSITY, ISLAMABAD

International Islamic University is an International seat of Islamic learning, in Pakistan, which provides every opportunity for an all-round and harmonious development of individuals and society and reconstruction of human thought on the foundation of Islamic Principles.

The foundation of the university was laid on the first day of 15th Hijrah Century, Muharrum 1,1401 (November 11,1980). This landmark of the beginning of the new century symbolizes the aspiration and hopes of the Muslim Ummah for an Islamic renaissance. The desire to produce scholars and practitioners, imbued with Islamic learning, character and personality and capable to meet the economic, social, political and intellectual needs of modern times is the aim of the University.

Presently, the University has nine (9) faculties and six (6) autonomous academics, institutes and College. The University is conducting around ninety (90) academic programs with and enrollment of over 30,000 students which included around 10,000 female students. In addition around 1400 male students are enrolled in Iqra College of Technology (ICT), a constituent unit of the University





## EVER GROWING INSTITUTION

The University aims at achieving higher standard of academic excellence. It has setup faculty of Engineering and Technology for promoting engineering and technology programs

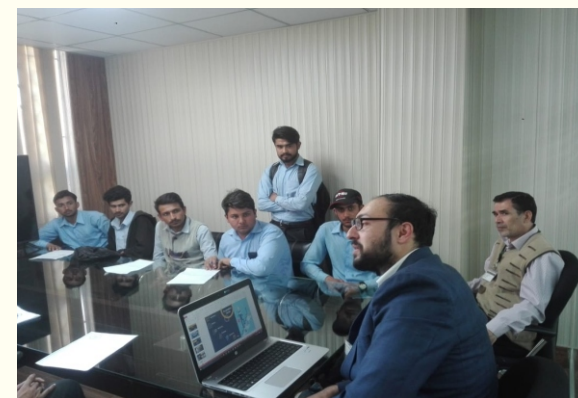
## MANAGEMENT OF THE UNIVERSITY

The University is providing separate and equal educational facilities to the female students. The Female Campus boasts well equipped and air-conditioned class rooms, laboratories and Computer Labs. A new Academic Block is coming up. A Cafeteria, a Shopping Complex and Gymnasium has been added for the female students.

Names	Position
Prof. Dr. Ahmed Salem Muhammad Al-Ameri	Pro Chancellor IIU
Prof. Dr. Masoom Yasin Zai	Rector
Prof. Dr. Hatha Bin Hamoud	President
Prof. Dr. Muhammad Tahir Khalily	Vice President (Academics)
Dr. Aqdas Naveed Malik	Vice President (HS&R)
Prof. Dr. Nabi Bux Jumani	Vice President (AF&P)
Prof. Dr. Muhammad Amir	Dean, Faculty of Engineering & Technology (FET)
Mr. Muhammad Ashraf	Director (Finance)
Mr. Khalid Mahmood Raja	Director (Administration)
Mr. Malik Zahoor Ahmed	Deputy Director (A&F)

## IQRA COLLEGE OF TECHNOLOGY

Iqra College of Technology is a constituent unit of International Islamic University, Islamabad, situated in Sector H-10/4, Islamabad. It started functioning in the year 1995. In the beginning short term technical courses of different durations in various trades were offered. On growing demand of the public of surrounding areas, 03 years Diploma of Associate Engineer (DAE) was offered in year 2003-4 in Computer and Electronics technologies.





## DAE - 03 YEARS DIPLOMA PROGRAMS

1. Auto Mobile & Diesel Technology
2. Civil Technology
3. Computer Information Technology
4. Electrical Technology
5. Electronics Technology
6. Mechanical Technology
7. Refrigeration and Air Conditioning Technology

## OBJECTIVES

Iqra College of Technology imparts quality education in a competitive environment. the main objectives of B-Tech and DAE programs are:

- To ensure provision of skilled and qualified technologists
- To prepare technologists who could contribute to the industry
- To provide an opportunity of career building technologists in their respective fields
- To meet the growing challenges of technical advancement at national and international levels
- To equip the students with modern and latest concepts and know how of the application of technology
- To maintain quality in technical education
- To develop student's abilities to communicate clearly, rationally and draw conclusions based on a rigorous, analytical and systematic approach to practical problems in the field of technology







## ICT TEAM

## ADMINISTRATION

Name	Designation	Qualifications
Malik Zahoor Ahmed	Deputy Director (Admin and Finance)	M.A
Mr. Khan Zeb	Assistant Director (Academic Coordination)	M.S (English) B.Ed, Dip in TEFL
Muhammad Nazir	Assistant Director	M.Sc (Eco) B.Ed

## TEACHING FACULTY

### 1. DEPARTMENT OF AUTO & DIESEL TECHNOLOGY

Name	Designation	Qualifications
Mr. Hifz ur Rehman	Instructor	B.E (Mech)
Mr. Javed Akhtar	Lab Assistant	Matric
Mr. Siraj Din	Shop Attendant	Middle

### 2. DEPARTMENT OF CIVIL TECHNOLOGY

Name	Designation	Qualifications
Engr. Shah Faisal	Senior Instructor	B.Sc (Civil Engineering)
Syed Amir Hussain Shah	Junior Instructor	B-Tech (Hons) DAE (Civil)

### 3. DEPARTMENT OF COMPUTER INFORMATION TECHNOLOGY

Name	Designation	Qualifications
Mr. Rizwan Haider Kharal	Instructor	MS (CS) (UCP, Lahore) Intl. Master Program in C.E (Sweden)
Mr. Zahid Mehmood	Instructor	DAE (Computer)
Mr. Shahid Mehmood	Instructor	MS(CS)
Mr. Sohail Amin Baig	Junior Instructor	MIT

### 4. DEPARTMENT OF ELECTRICAL TECHNOLOGY

Name	Designation	Qualifications
Mr. Muhammad Umar	Senior Instructor	BE Electrical
Mr. Muhammad Irfan	Instructor	DAE/B Tech (Pass)
Mr. Tanveer Abbas	Instructor	DAE (Electrical)
Mr. Hazrat Yousaf	Instructor	DAE (Electrical) B.Tech (hons) Electrical
Mr. Muhammad Nawaz	Lab Assistant	Matric/Certificate
Mr. Atta Ur Rehman	Shop Attendant	Matric



## 5. DEPARTMENT OF ELECTRONICS TECHNOLOGY

Name	Designation	Qualifications
Raja Mubassar Latif	Senior Instructor	MS (Electronics Engineering)
Mr. Bashir Ahmed Khan	Junior Instructor	BS (Electrical Engineering)
Mr. Kashif Raza	Lab Assistant	Matric/Certificate

## 6. DEPARTMENT OF MECHANICAL TECHNOLOGY

Name	Designation	Qualifications
Engr. Najeeb Ul Hassan	H.O.D Mechanical	B.Sc Engg. (Mechanical)
Mr. Humayun Khan	Instructor	M.S (Management Sciences)
Mr. Khaleeq Ahmed	Junior Instructor	DAE (Wood Work)
Mr. Zahid Mehmood	Lab Assistant	2 Year Certificate/Auto Cad Draftsman
Mr. Nafees Shoukat	Lab Assistant	B.S (Urdu Literature)/Certificate (GII)
Mr. Ghulam Adil	Lab Assistant	Matric/Certificate 1 year
Mr. Asif Haroon	Shop Attendant (Foundry)	DAE Mechanical
Mr. Abdullah Hassan	Shop Attendant	Middle
Mr. Asim Mustafa Kiani	Shop Attendant (Machine Shop)	Matric/Certificate (G II)
Mr. Imran	Shop Attendant (Welding)	Matric/Certificate (G II)

## 7. DEPARTMENT OF RAC TECHNOLOGY

Name	Designation	Qualifications
Mr. Muhammad Firdous	Instructor	DAE (RAC)
Mr. Tanveer Anwar	Lab Assistant	DAE (RAC)/Certificate
Mr. Muhammad Azam	Shop Attendant/Store Keeper	School Certificate /RAC Certificate

## 8. DEPARTMENT OF ALLIED SUBJECTS

Name	Designation	Qualifications
Hafiz Hayat Ullah	Instructor	M. Phil (Islamic Studies), PhD (in prog.)
Mr. Khurram Shahzad	Lab Assistant	B.A / 2 Years Certificate

## ADMINISTRATION & ACCOUNTS SECTION

Name	Designation	Qualifications
Mr. Rehan Akbar	Superintendent (HR/Admin)	B.A
Mr. Muhammad Zafar	Superintendent (Accounts)	D.Com.
Mr. Raja Zamir Akhtar	Assistant, Admin	B.A
Mr. Hamid Iqbal	Store Keeper	M.A (Urdu)
Mr. Muhammad Wajahat	LDC	DAE (Civil)
Mr. M.Naveed Ullah	LDC	B.A





## FEE STRUCTURE

### ALL TECHNOLOGIES EXCEPT MECHANICAL & CIVIL TECHNOLOGY

College Fee	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year
Admission Fee	1757/-	-	-
Tuition Fee	17570/-	17570/-	17570/-
Practical Fee	12826/-	12826/-	12826/-
Student Activity Fee	1584/-	1584/-	1584/-
Security Fee (Refundable)	2000/-	-	-
Transport Dev. Fund	2460/-	2460/-	2460/-
ICT Dev. Fund	880/-	880/-	880/-
Student ID Card Fee	300/-	-	-
Documentation/ Processing Fee	500/-	500/-	500/-
<b>Sub Total</b>	<b>39877/-</b>	<b>35820/-</b>	<b>35820/-</b>
<b>Board Fee</b>			
Registration Fee (once)	1310/-	-	-
Certificate Fee (once)	510/-	-	-
Sports Fee (once)	570/-	-	-
<b>Sub Total</b>	<b>2390/-</b>	<b>-</b>	<b>-</b>
<b>Grand Total</b>	<b>42267/-</b>	<b>35820/-</b>	<b>35820/-</b>

### MECHANICAL / CIVIL TECHNOLOGY

College Fee	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year
Admission Fee	1757/-	-	-
Tuition Fee	17570/-	17570/-	17570/-
Practical Fee	14586/-	14586/-	14586/-
Student Activity Fee	1584/-	1584/-	1584/-
Security Fee (Refundable)	2000/-	-	-
Transport Dev. Fund	2460/-	2460/-	2460/-
ICT Dev. Fund	880/-	880/-	880/-
Student ID Card Fee	300/-	-	-
Documentation/ Processing Fee	500/-	500/-	500/-
<b>Sub Total</b>	<b>41637/-</b>	<b>37580/-</b>	<b>37580/-</b>
<b>Board Fee</b>			
Registration Fee (once)	1310/-	-	-
Certificate Fee (once)	510/-	-	-
Sports Fee (once)	570/-	-	-
<b>Sub Total</b>	<b>2390/-</b>	<b>-</b>	<b>-</b>
<b>Grand Total</b>	<b>44027/-</b>	<b>37580/-</b>	<b>37580/-</b>



## GENERAL ELIGIBILITY & MERIT CRITERIA FOR DAE PROGRAMS

- Matric (Science Group) with at least 40% marks. The merit for admission will be determined on the basis of marks obtained/test in the following subjects:
- English, Physics, Mathematics, Chemistry
- Admission shall be provisional unless the original verified copy of matric DMC & Migration Certificate from concerned BISE is provided and after issuance of registration number from Khyber Pakhtunkhwa Board of Technical Education, Peshawar.
- A medical fitness certificate of candidate duly verified by a Medical Officer of any Government Hospital is required along-with the Admission Form.

## TEST SCHEDULE

Schedule for admission test is available at Iqra College of Technology and on IIUI web site ([www.iiu.edu.pk](http://www.iiu.edu.pk)). No separate call letters shall be issued to any candidate. Result of DAE admission test is announced on the same day

## PROSPECTUS & ADMISSION FORMS

Prospectus / Admission forms for DAE Programs can be obtained from:  
Iqra College of Technology Admission Office or through mail with payment of Rs. 1200/- via Bank draft or Postal order drawn in favour of Principal, ICT

## SUBMISSION OF ADMISSION FORMS

Candidates are required to attach the following attested documents with the admission forms:







## DAE PROGRAMS

Description of Documents	Required No. of copies
Original Verified copy of Matric Certificate from concerned BISE	original + 2 copies
Original Migration Certificate/NOC from concerned BISE	original + 2 copies
Residential Certificate (Domicile)	2
Character Certificate from the last Institution attended	2
Father's/Gaurdian NIC	2
Student's recent photographs (size 1 X 1 inch)	3
Student's recent photographs (Passport size)	4
Medical Fitness Certificate issued by Medical Officer of any Government Hospital	1
Undertaking on Rs. 10/- Stamp paper (Specimen attached at the end)	1

- Application form duly filled, signed with all required documents as mentioned above
- Application received after due date shall not be accepted

## TOP POSITION HOLDERS IN KPK BOARD EXAM SESSION 2018

### COMPUTER INFORMATION TECHNOLOGY



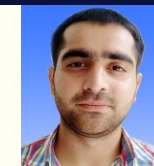
Roll No: 441214  
Name: Abdul Salam  
%age: 84.39



### AUTO & DIESEL TECHNOLOGY



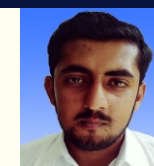
Roll No: 437222  
Name: Naqeeb Ur Rehman  
%age: 82.00



### REFRIGERATION & AIR CONDITION TECHNOLOGY



Roll No: 435658  
Name: Abdul Rehman  
%age: 85.19





## ATTENDANCE CRITERIA

### DAE PROGRAMS

- All students must secure 80% attendance of prescribed lectures and practical independently, in order to be eligible to appear in the final examination.
- The Principal may condone a maximum of 10% shortage of attendance on the basis of medical grounds/genuine reasons produced before him for his satisfaction.
- Attendance is counted on the basis of total number of contact hours, both in theory and practical, for which the classes actually hold during an academic session.

## CURRICULUM

### DAE PROGRAMS

The Scheme of Studies duly approved by Khyber Pakhtun Khwa Board of Technical Education, Peshawar shall be implemented.





## DURATION

- DAE Programs of 03 Years duration shall be conducted on Annual System

## CODE OF CONDUCT

- Students shall be required to abide by the prescribed rules and regulations of International Islamic University, Islamabad and observe the dress code and basic Islamic tenets.
- Every Student of DAE should wear the College uniform while attending the classes. DAE students attending the classes without prescribed uniform will be charged a fine of Rs. 100/- per day. The DAE uniform is detailed as under:-





## UNIVERSITY RULES & REGULATIONS

The following rules and regulations shall be followed:

- Being a student of ICT it will be necessary to adhere to Islamic code of Behavior and basic Islamic tenets.
- The student will have to observe due respect to the staff/faculty of the College.
- The College will not be responsible for any mishap/accident during the training. However first aid facility will be provided.
- The student will have to pay all dues in time. After admission the fee cannot be refunded except refundable security as per University rules.
- The student will be responsible for returning all tools/equipment in the same condition as were got issued from stores for practical training.
- In case of any damage or loss the concerned student shall be responsible for the payment of the damaged items according to the market price plus fine to be decided by Principal.
- Students are not allowed to participate in politics, misconduct and illegal activities.
- The students should read the notice board regularly.
- Smoking is strictly prohibited in College premises and delinquents shall be liable to disciplinary action.
- Change of shift/technology after admission is permissible as per Board's rules.
- In Diploma programs the examination rules of the Khyber Pakhtunkhwa Board of Technical Education, Peshawar, shall be followed.

### Note:

Rules/Regulations & Fee Structure mentioned above are subject to change without any notice

## FOR MORE INFORMATION

Please Contact Phone No. 051-9258041-3  
or visit [www.iiu.edu.pk](http://www.iiu.edu.pk)

## TIMING FOR DAE PROGRAMS

Five Days a week as per notified schedule

## IDENTITY CARD

The student shall carry their identity cards during the College hours and produce to the concerned authorities on demand. The Identity Card will have to be surrendered while collecting security fee from the College. Duplicate card can be obtained for Rs. 500/-

## TEACHING METHODOLOGY

Teaching shall be conducted at University/ICT through lectures, tutorials, discussions, seminars, labs and field work.

- Medium of Instructions is English
- The Board of Studies for BSc engineering technology shall meet at least once in 06 months during academic session to review and assess the program.
- ICT and Faculty of Engineering & Technology shall regularly inform the parents about the progress of their children.





## CO CURRICULAR ACTIVITIES IN ICT



## LIBRARIES

University maintains 04 well equipped libraries with internet facilities and access to International data-base and digital libraries. Central Library maintains all important texts and recommended books. In addition, there is a Book Bank in the main campus of the University lending books to the students on yearly basis. The library is continuously updated with the latest editions of the relevant books. The library facility is available till 10.00 p.m.





## LABORATORIES

The following state of the art equipped labs, facilities are available at Faculty of Engineering & Technology and Iqra College of Technology:

1. Applied Physics
2. Computer Applications
3. Machining Processes
4. Computer Aided Design
5. Mechanics of Materials
6. Applied Thermodynamics
7. Electronics Fundamentals
8. Fluid Mechanics
9. Manufacturing Processes
10. I.C. Engines
11. Metrology and Gauging
12. Refrigeration and Air Conditioning
13. Thermodynamics

## MEDICAL CARE

The University has well equipped Medical Centres for male and female students with a team of qualified doctors for free outdoor treatment of minor ailments. Cases of serious nature are referred to Government Hospitals in Islamabad for hospitalization and treatment. The Medical Centre has also setup a laboratory to conduct various tests. The Medical Centres have 03 ambulances at their disposal to meet any emergency.

## BANKING FACILITY

For payment, receipt and remittances, Habib Bank Limited maintains 02 branches in the old as well as new campuses of the University for male students. Profit and Loss Saving Bank accounts are opened and deposits accepted under normal banking procedures. Students admitted to the University are advised to open their accounts with this bank. ATM facility is also provided at H-10 campus to facilitate the students.

## SPORTS & RECREATION

The University has extensive facilities for indoor and outdoor games for boys. Our students are participating in the Inter Universities competitions of sports & games and winning medals, trophies & leading positions in these competitions. Coaching facilities have also been available on campuses.

## POST OFFICE

There is a branch of Post Office on the premises of the old campus of the University. Postal Stamps vending and Registration, Money Order remittances services are provided during working hours. Public Call Offices are also available. Establishment of a branch of Post Office on the Premises of New Campus is in process.







## TRAINING FACILITIES



Hydraulics Lab Bends and Pipe Losses



Band Saw Woodwork



Auto CAD Lab



Auto & Diesel Lab



EFI Engine Trainer



Advance Electronics Lab Trainer



Machine Shop Lathes



Metrology Measuring Instruments



Multi Split A.C Trainer



Basic Electrical Lab



Total Station Civil Tech.



Leveling Civil Tech



## SCHEME OF STUDY

### REFRIGERATION & AIR- CONDITIONING TECHNOLOGY

1ST YEAR			T	P	C
Gen	111	Islamiat& Pak Studies	1	0	1
Eng	122	Technical English	2	0	2
Math	113	Applied Mathematics-I	3	0	3
Phy	122	Applied Physics	1	3	2
Ch	112	Applied Chemistry	1	3	2
MT	111	Technical Drawing	0	3	1
ET	113	Applied Electricity	2	3	3
COMP	122	Computer Applications	1	3	2
RACT	113	Principles of Refrigeration	2	3	3
RACT	123	Workshop Practice-I	0	9	3
		-Basic Electronics Applied to HVAC&R	0	3	1
		-Metal Shop	0	3	1
		-Machine Shop/Welding Shop	0	3	1
<b>Total:</b>			<b>13</b>	<b>27</b>	<b>22</b>

2ND YEAR			T	P	C
Gen	211	Islamiat& Pak. Studies	1	0	1
Math	223	Applied Mathematics-II	3	0	3
Mgm	232	Industrial Management & Human Relations	2	0	2
Phy	212	Applied Physics	1	3	2
RACT	214	Principle of Air-Conditioning	3	3	4
RACT	223	Applied Thermodynamics & Low Pressure Boiler	2	3	3
RACT	233	Engg.& Arch. Drawing	1	6	3
RACT	243	Advance Refrigeration	3	0	3
RACT	253	Workshop Practice-II	1	6	3
<b>Total:</b>			<b>17</b>	<b>21</b>	<b>24</b>

3RD YEAR			T	P	C
Gen	311	Islamiat& Pak. Studies	1	0	1
Mgm	311	Business Management & Industrial Economics	1	0	1
Mgm	321	Business Communication	1	0	1
RACT	314	Air Conditioning Systems Design	3	3	4
RACT	322	Water & Air Distribution	2	0	2
RACT	334	Control & Instrumentation	3	3	4
RACT	342	Industrial Refrigeration & Air Cond.	2	0	2
RACT	352	Technical Project	0	6	2
RACT	363	Heat Transfer & Ref. Calculation	3	0	3
RACT	373	RAC W/shop Practice-III	0	9	3
<b>Total:</b>			<b>16</b>	<b>21</b>	<b>23</b>





## CIVIL TECHNOLOGY

### FIRST YEAR

			T	P	C
Gen	111	Islamiat & Pak Studies	1	0	1
Eng	112	English	2	0	2
Math	113	Applied Mathematics-I	3	0	3
Ch	112	Applied Chemistry	1	3	2
Phy	122	Applied Physics	1	3	2
Civil	114	Basic Surveying	2	6	4
Civil	123	Engineering Materials & Construction	2	3	3
Civil	133	Basic Engineering Drawing	1	6	3
Shop	112	Workshop Practice	1	3	2
Comp	111	Computer Applications	0	3	1
TOTAL			14	27	23

### SECOND YEAR

			T	P	C
Gen	211	Islamiat / Pakistan Studies	1	0	1
Math	212	Applied Mathematics-II	2	0	2
Gen	222	Communication Skills and Report Writing	1	2	2
Civil	213	Public Health Technology	2	3	3
Civil	224	Advance Surveying	2	6	4
Civil	233	Building Construction	2	3	3
Civil	243	Civil Engineering Drawing & AutoCAD	1	6	3
Civil	253	Mechanics of Structures	2	3	3
Civil	262	Quantity Surveying	1	3	2
TOTAL			14	26	23

### THIRD YEAR

			T	P	C
Gen	311	Islamiat / Pakistan Studies	1	0	1
CT	312	Project Management	2	0	2
CT	322	Quantity Surveying-II	0	6	2
CT	333	Public Health Engineering-II	2	3	3
CT	344	Hydraulics & Irrigation	3	3	4
CT	353	Railways, Docks, Harbors and Bridges	2	3	3
CT	364	Concrete Technology and RCC Design	3	3	4
CT	373	Soil Mechanics, Highways & Airports	2	3	3
CT	381	Civil Engineering Project	0	3	1
TOTAL			15	24	23



## ATUO MOBILE & DIESEL TECHNOLOGY

### FIRST YEAR

			T	P	C
Gen	111	Islamiat/Pakistan Studies	1	0	1
Eng	112	English	2	0	2
Math	113	Applied Mathematics-I	3	0	3
Phy	122	Applied Physics	1	3	2
Comp	122	Computer Applications	1	3	2
AD	113	Automotive Electrics and Electronics	2	3	3
AD	123	I.C. Engines	2	3	3
AD	122	Hybrid Vehicle	2	0	2
MT	153	Engineering Drawing	1	6	3
MT	164	Workshop Practice-I			
		a) Machine Shop & Safety Practice. 1	1	3	2
		b) Metal Shop, Welding Practice & Foundry	1	3	2
<b>TOTAL</b>			<b>16</b>	<b>24</b>	<b>24</b>

### SECOND YEAR

Gen	211	Islamiat and Pakistan Studies	1	0	1
Ch	213	Applied Chemistry	2	3	3
Math	212	Applied Mathematics-II	2	0	2
Phy	212	Applied Mechanics	1	3	2
Mgm	232	Industrial Management and Economics	2	0	2
AD	212	Applied Thermodynamics	1	3	2
AD	223	Suspension, Steering and Brakes	2	3	3
AD	234	Workshop Practice-II	2	6	4
AD	243	Problems in I.C. Engines	2	3	3
MT	252	Metrology	1	3	2
<b>TOTAL</b>			<b>16</b>	<b>24</b>	<b>24</b>

### THIRD YEAR

Gen	311	Islamiat and Pakistan Studies	1	0	1
Mgm	321	Business Communication	1	0	1
AD	313	Computer Application in CAD and Automation	2	3	3
AD	323	Fuel Injection & Carburetion	2	3	3
AD	333	Automotive Transmission	2	3	3
AD	342	Motor Vehicle Inspection	1	3	2
AD	353	AutoBodyBuilding& Finishing	2	3	3
AD	362	Motor Vehicle Driving	1	3	2
AD	374	Workshop Practice-III	2	6	4
MT	392	Metallurgy and Heat Tre	1	3	2
<b>TOTAL</b>			<b>15</b>	<b>27</b>	<b>24</b>





## COMPUTER INFORMATION TECHNOLOGY

### FIRST YEAR

		T	P	C
Gen 111	Islamiat / Pakistan Studies and Ethics	1	0	1
Eng 112	English	2	0	2
Math 123	Applied Mathematics - I	3	0	3
Phy 112	Applied Physics	1	3	2
OHSE 101	Occupational Health, Safety and Environment	1	0	1
Che-132	Applied Chemistry	1	3	2
CIT 112	Computer Application Software	0	6	2
CIT 123	Introduction to Computer Programming	2	3	3
CIT 131	General Engineering Workshop	0	3	1
CIT 143	Linear Circuit and Basic Electronics	2	3	3
<b>Total</b>		<b>13</b>	<b>21</b>	<b>20</b>

### SECOND YEAR

Gen 211	Islamiat / Pakistan Studies and Ethics	1	0	1
Mgm211	Business Communication	1	0	1
Math 213	Applied Mathematics II	3	0	3
CIT 213	Object-Oriented Programming	2	3	3
CIT 225	Microprocessor Architecture	3	6	5
CIT 233	Data Communication and Networking	2	3	3
CIT 243	Analogue Electronics	2	3	3
CIT 253	Digital Electronics	2	3	3
<b>Total</b>		<b>16</b>	<b>18</b>	<b>22</b>

### THIRD YEAR

Gen 311	Islamiat / Pakistan Studies and Ethics	1	0	1
Eng 311	Technical Report Writing	1	0	1
Mgt 331	Management	1	0	1
CIT 313	Network Administration	2	3	3
CIT 323	Operating System	2	3	3
CIT 332	Web Page Development and e-Commerce	1	3	2
CIT 342	PC System Architecture	2	0	2
CIT 353	PC System and Peripherals Repair	2	3	3
CIT 363	Project	0	9	3
<b>Total</b>		<b>12</b>	<b>21</b>	<b>19</b>
<b>Grand Total</b>		<b>41</b>	<b>60</b>	<b>61</b>



## ELECTRICAL TECHNOLOGY

### 1ST YEAR

			T	P	C
Gen	111	Islamiat/Pakistan Studies	1	0	1
Eng	112	English	2	0	2
Math	123	Applied Mathematics-I	3	0	3
Ch	132	Applied Chemistry	1	3	2
Comp	122	Computer Applications	1	3	2
ET	115	Principles of Electrical Engineering	3	6	5
ET	121	Basic Electrical Drawing	0	3	1
ET	146	Workshop Practice-I	1	15	6
	i)	Wiring 1 6 3			
	ii)	Metal Work 0 3 1			
	iii)	Wood Work 0 3 1			
	iv)	Welding 0 3 1			
	<b>Total</b>		<b>12</b>	<b>30</b>	<b>22</b>

### 2ND YEAR

Gen	211	Islamiat& Pakistan Studies	1	0	1
Math	283	Applied Mathematics-II	3	0	3
Phy	222	Applied Physics	1	3	2
Mgm	221	Business Management & Industrial Economics	1	0	1
ET	213	D.C. Machines & Batteries	2	3	3
ET	223	Electrical Instruments & Measurements	2	3	3
ET	233	Utilization of Electrical Energy	2	3	3
ET	242	Installation Planning & Estimating	1	3	2
ET	251	Applications of Computers in Elect.Tech.	0	3	1
ET	263	Basic Electronics	2	3	3
ET	271	Workshop Practice-II (Basic Machine Shop)	0	3	1
	<b>Total</b>		<b>15</b>	<b>24</b>	<b>23</b>

### 3RD YEAR

Gen	311	Islamiat/Pakistan Studies	1	0	1
Mgm	321	Business Communication	1	0	1
Mgm	311	Industrial Management & Human Relations	1	0	1
ET	316	A.C. Machines	4	6	6
ET	322	Power Plant & Energy Conservation	2	0	2
ET	335	Transmission, Distribution and Protection of Electrical Power Systems	4	3	5
ET	343	Telecommunication	2	3	3
ET	353	Repair & Maintenance of Electrical Equipment	1	6	3
ET	364	Digital & Industrial Electronics	3	3	4
	<b>Total</b>		<b>19</b>	<b>21</b>	<b>26</b>





## ELECTRONICS TECHNOLOGY

### FIRST YEAR

			T	P	C
Gen	111	Islamiat&pakistan Studies	1	0	1
Eng	112	English	2	0	2
Math	123	Mathematics	3	0	3
Phy	112	li d Physics	1	3	2
Comp	112	Computer Application	1	3	2
Ch	112	Applied Chemistry	1	3	2
El.TR	114	Electrical Circuits	3	3	4
El.TR	123	Electronics Devices	2	3	3
El.TR	132	Engineering Drawing & Computer Aided Design	0	6	2
El.TR	141	Electrical Wiring	0	3	1
<b>TOTAL</b>			<b>14</b>	<b>24</b>	<b>22</b>

### SECOND YEAR

Gen	211	Islamiat& Pak Studies	1	0	1
Math	213	APPLIED Mathematics	3	0	3
Coms	211	Communication Skills	1	0	1
El.TR	212	Propagation of Electromagnetic Waves	2	0	2
El.TR	225	Analog Electronics	3	6	5
El.TR	233	Electrical Instruments & Measurements	2	3	3
El.TR	243	Electrical Machines	2	3	3
El.TR	253	Communication Systems	2	3	3
El.TR	264	Digital Electronics	3	3	4
El.TR	271	PCB Fabrication	0	3	1
<b>TOTAL</b>			<b>19</b>	<b>21</b>	<b>26</b>

### THIRD YEAR

Gen	311	Islamiat& Pak Studies	1	0	1
Mgm	311	Industrial Management & Human Relations	1	0	1
El.T	312	Communication System-II	1	3	2
El.T	326	TV Circuits & Systems	3	9	6
El.T	333	Industrial Electronics	2	3	3
El.T	342	Antenna & Transmission Lines	1	3	2
El.T	351	Microwave & Radar	1	0	1
El.T	363	Microprocessor & Microcomputer	2	3	3
El.T	371	Equipment servicing& Project (Lab.)	0	3	1
<b>Total</b>			<b>12</b>	<b>21</b>	<b>20</b>



## MECHANICAL TECHNOLOGY

### FIRST YEAR

			T	P	C
Gen	111	Islamiat&pakistan Studies	1	0	1
Eng	112	English	2	0	2
Math	113	Mathematics	3	0	3
Phy	122	Applied Physics	1	3	2
Comp	142	Computer Application	1	3	2
Ch	112	Applied Chemistry	1	3	2
MT	117	Workshop Practice-I			
		(A) Metal Work	0	3	1
		(B) Wood Work	0	3	1
		(C) Welding & Forging	0	3	1
		(D) Foundry	0	3	1
		(E) Basic Machine Shop-I	0	3	1
		Theory	2	0	2
MT	141	Health Safety & Environment	1	0	1
MT	163	Basic Engineering Drawing & CAD-I	1	6	3
<b>TOTAL</b>			<b>13</b>	<b>30</b>	<b>23</b>

### SECOND YEAR

			T	P	C
Gen	211	Islamiat & Pak Studies	1	0	1
Phy	212	Applied Mechanics	1	3	2
Math	212	Applied Mathematics-II	2	0	2
MGM	211	Business Communication	1	0	1
MGM	221	Business Management & Industrial Economics	1	0	1
Elect.	202	Applied Electricity & Electronics	1	3	2
Mech	242	Metallurgy	2	0	2
Mech	252	Metrology	1	3	2
Mech	223	Engineering Drawings-II			
		(A) Machine Drawing	0	3	1
		(B) 2D & 3D CAD	0	3	1
		Theory	1	0	1
Mech	236	Workshop Practice-II			
		(A) Basic Machine Shop-II	0	6	2
		(B) Foundry & Pattern Making	0	3	1
		(C) Adv. Welding	0	3	1
		Theory	2	0	2
<b>TOTAL</b>			<b>13</b>	<b>27</b>	<b>22</b>

### THIRD YEAR

			T	P	C
Gen	311	Islamiat & Pak Studies	1	0	1
MGM	311	Industrial Management & Human Relations	1	0	1
MT	312	Hydraulics and Hydraulic Machines	1	3	2
MT	323	Applied Thermodynamics and Energy Conservation	2	3	3
MT	332	Industrial Engineering	1	3	2
		(Industrial Planning & Production Methods)			
MT	34	3Machine Design	2	3	3
MT	353	Tool Design and Making	2	3	3
MT	362	Materials testing & Heat treatment	1	3	2
MT	374	Workshop practice-II			
		(Advance Machine Shop & Project)	2	6	4
MT	382	Computer Integrated Manufacturing (CIM)	1	3	2
<b>TOTAL</b>			<b>15</b>	<b>24</b>	<b>23</b>



MEDICAL FITNESS CERTIFICATE

It is certified that I have examined Mr. -----

S/o -----, a candidate for admission in

Iqra College of Technology, IIU Islamabad. He is physically fit for studies and is not suffering from any remarkable disease.

-----

Signatures of Medical Officer with Stamp

-----

Signatures of Candidate

**Note:**  
Doctors of only Government operated hospitals are competent to issue this certificate.

## حلف نامہ

یہ حلف نامہ امیدوار کا والد / سرپرست داخل کرے گا

تاریخ:

میں \_\_\_\_\_ ولد \_\_\_\_\_ حلفیہ بیان کرتا ہوں کہ

میرے فرزند / زیر کفالت مسمی \_\_\_\_\_ نے انٹرنیشنل اسلامی یونیورسٹی کے ادارے اقراء کالج آف ٹیکنالوجی اسلام آباد میں داخلے کے لئے درخواست

میری رضامندی سے دی ہے۔

میں \_\_\_\_\_ حلفاً اقرار کرتا / کرتی ہوں کہ اگر میرا بچہ ادارہ ہذا کی کلاسز میں حاضر نہیں ہوتا، مڈ ٹرم / سینڈ اپ امتحانات نہیں دیتا اور ادارہ ہذا میں کلاسز کی

حاضری کم از کم %80 پوری نہیں کرتا تو میں فرسٹ ایئر، سیکنڈ ایئر اور تھرڈ ایئر کے بورڈ کے امتحانات کے داخلہ بھجوانے کے لئے اصرار / سفارش نہیں کروں گا / گی۔ ادارہ ہذا میرے

بیٹے / عزیز / زیر کفالت کے لئے جو بھی فیصلہ کرے گا وہ مجھے منظور ہوگا اور اس فیصلے کے خلاف میں کسی قسم کی قانونی چارہ جوئی بھی نہیں کروں گا / گی۔

میں ادارہ مذکورہ میں دورانِ تعلیم اپنے بیٹے / عزیز / زیر کفالت کے تمام اخراجات اور نیک چال چلن کا ذمہ دار ہوں گا / گی۔ ادارہ ہذا میں دورانِ تعلیم اور عملی کام کے دوران کسی

حادثہ یا نقصان کی صورت میں ادارہ ما اس کی انتظامیہ کو ذمہ دار نہیں ٹھہراؤں گا / گی۔

میرا بیٹا / عزیز / زیر کفالت کسی قسم کی گروہی، سیاسی، فرقہ وارانہ، لسانی یا غیر اخلاقی سرگرمیوں میں ملوث نہیں ہوگا اور ادارہ ہذا کے نظم و ضبط کی پابندی کرے گا اگر وہ ان میں سے کسی

ایک میں بھی ملوث پایا گیا تو ادارہ ہذا اس کو ادارے سے خارج کرنے کا حق رکھتا ہے، اور میں ادارہ کے فیصلے کے خلاف قانونی چارہ جوئی نہیں کروں گا۔

میں وقتاً فوقتاً اور کم از کم 6 ماہ میں ایک بار لازماً اپنے فرزند / عزیز / زیر کفالت کی تعلیمی کارکردگی کا پتہ کرتا رہوں گا / گی۔

میں سرکاری / نیم سرکاری / پرائیویٹ ملازم / ہوں اور \_\_\_\_\_ (عہدہ) پر \_\_\_\_\_ ادارہ / محکمہ میں کام کرتا / کرتی ہوں

میری سالانہ آمدنی \_\_\_\_\_ روپے / ڈالرز ہے۔

خط و کتابت کا پتہ:

\_\_\_\_\_ فون نمبر: \_\_\_\_\_

والد یا سرپرست کا نام بمعہ پیشہ:

شناختی کارڈ نمبر: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ والد / سرپرست کے دائیں ہاتھ کے انگوٹھے کا نشان



## تصدیق نامہ

والد / سرپرست کے دستخط \_\_\_\_\_

امیدوار مسمی \_\_\_\_\_ کے والد / سرپرست جناب \_\_\_\_\_ نے مندرجہ بالا حلف نامے کو پڑھنے کے بعد

میرے سامنے دستخط کیے۔

تصدیق کنندہ گزٹڈ آفیسر \_\_\_\_\_ عہدہ \_\_\_\_\_ ادارہ \_\_\_\_\_

شناختی کارڈ نمبر: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ تصدیق کنندہ کے دستخط بمع مہر

