

# GOVERNMENT COLLEGE UNIVERSITY HYDERABAD



## UNDERGRADUATE PROSPECTUS 2022



CHARTERED BY  
GOVERNMENT OF SINDH



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HEC ISLAMABAD



# PROSPECTUS 2022



**Undergraduate 4-Year Degree Programs**

**GOVERNMENT COLLEGE UNIVERSITY HYDERABAD**

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



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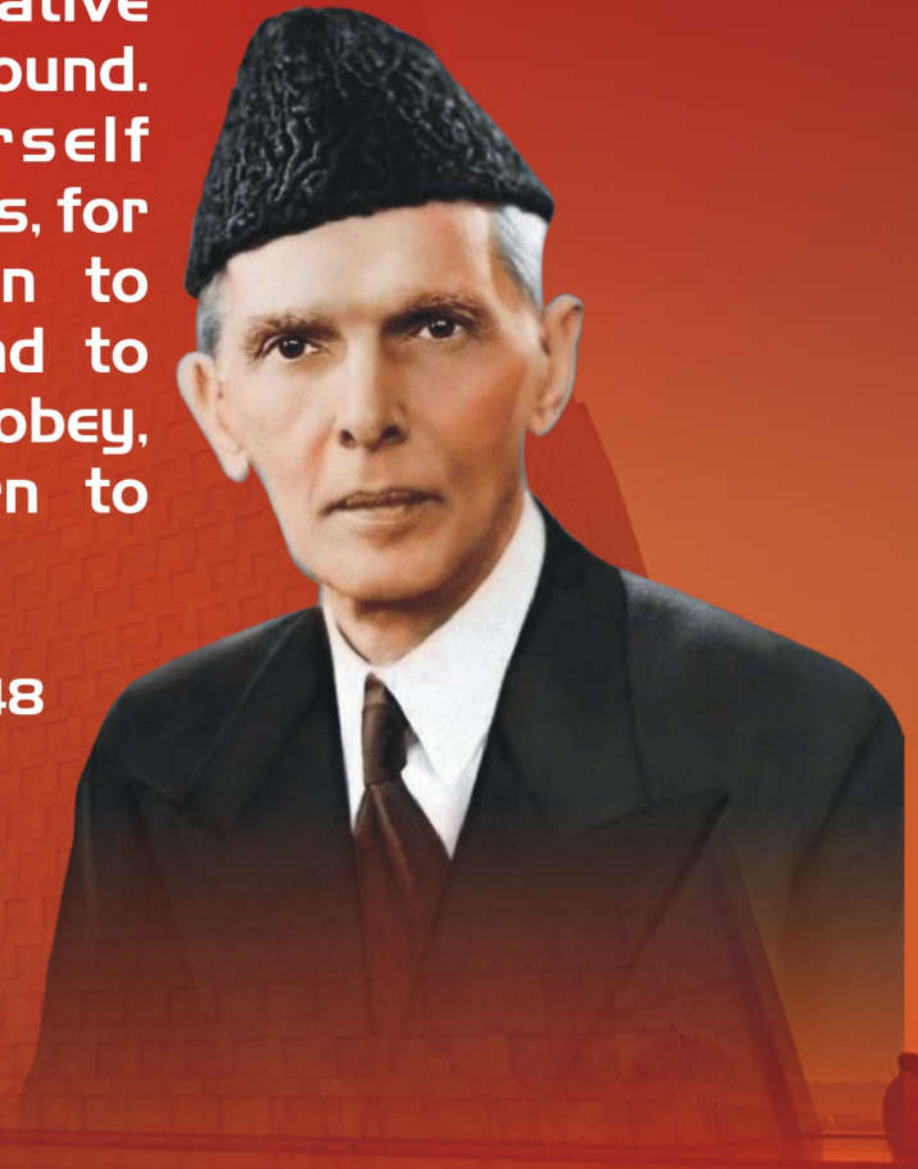
You should develop a sound sense of discipline, character, initiative and a solid academic background. You must devote yourself wholeheartedly to your studies, for that is your first obligation to yourselves, your parents and to the State. You must learn to obey, for only then you can learn to command.

”

Islamia College Peshawar, April 12, 1948

*Quaid-e-Azam*

**Muhammad Ali Jinnah**





# Message from the Chancellor



I feel delighted to write that GC University Hyderabad is going to induct its 3rd batch of BS students. Since its inception in 2018, it has strived hard to maintain quality and provide affordable education to the people of Hyderabad and its vicinities and has succeeded in its efforts. I am very hopeful that it would find a firm place among the top higher education institutes of Pakistan in near future. My support and patronage will always be with this institute.

**Syed Murad Ali Shah**  
Chief Minister, Sindh

# Message from the Vice Chancellor



It gives me immense pleasure to welcome you to one of the most historic educational institutions of the country, GC University Hyderabad. For over a century this institute in capacity of a Degree College has produced amazing talent and contributed to community development. Now, being given university status in 2018, this institute has duly been recognized by the Government and a whole new avenue of development has been opened up for the students as well as the faculty. It is a matter of pride for me, especially as a female, to be the maiden Vice Chancellor of the first public sector university in Hyderabad. Taking pride in the history, culture and achievements of this institute, the GC University Hyderabad will now aim for excellence on the canvas of Higher Education and lead through research, innovation, technology, collaboration and quality teaching-learning. The GC University Hyderabad campus has all the necessary facilities and resources available to enable our students to learn, innovate, excel and compete at the highest level with the amazing team of GC University Hyderabad leaving no stones unturned to deliver their best for the development of our students. With the support of the Government and with a focus on continuous improvement and a fresh outlook, GC University Hyderabad aims to become one of the best Public Sector Higher Education Institutions of the region in times to come.

**Prof. Dr. Tayyaba Zarif**  
Vice Chancellor  
G.C. University Hyderabad



# Vision & Mission



## Vision

Impart modern formal, social, ethical and cultural education to youth in order to develop/nurture leadership for a prosperous Pakistan under the non discrimination policy.

## Mission

GC University develops human resources and imparts quality education in different fields of natural and social sciences. GCUH faculty is equipped with selfless dedication, commitment and responsibility to teach with proud of their culture and to uplift an individual and society as a whole and finally to contribute for the progress prosperity, peace and harmony.



# GOVERNMENT COLLEGE UNIVERSITY HYDERABAD

## HISTORICAL BACKGROUND

### INAUGURATION OF SIND NATIONAL ARTS COLLEGE HYDERABAD IN 1917



#### Standing (L to R):

1. Mr. Kewalram, 2. Mr. H.C. Kumar, 3. Mr. Jethmal, 9. Mr. Gopaldas, 10. Mr. Santdas

#### Sitting (L to R):

3. Mr. Jamshed, 4. Mr. Hiranand, 6. Mrs. Wood, 7. Mr. Wood (Principal), 12. Mr. Iyer

#### Ground (L to R):

2. Shewakram Santdas, 3. Dayaram Santdas

Government College University Hyderabad is one of Pakistan's oldest and prime educational institutions. Its genesis dates back to 1st October 1917, with the title of "Sindh National Arts College Hyderabad" being contemplated by the International Theosophical Society. The crucial role in running the International Theosophical Society was played by its second president, Dr. Annie Besant, a well-known educationist, orator, a political and social figure of the undivided Indian sub-continent. Dr. Ernest Egerton Wood, the secretary to National Educational Trust, continued "National Educational Movement" activities. He appealed through the newspapers for the establishment of new educational institutes in India.

Since there was no college in Hyderabad Sindh, the students who wanted to continue higher education had to go far off cities like Bombay. The first response of enormous contribution appeared from a youth of Sindh with a donation of Rs. 20,000/= on a condition to establish a college in Hyderabad Sindh. Another important figure among the city's aristocracy was Diwan Dayaram Gidumal, a judge by profession. He was the driving factor behind the building of a college in Hyderabad. Dr. Wood landed in Hyderabad, Sindh, on August 24, 1917, after a long journey from Madras. The people of Hyderabad Sindh gave a large sum of money, estimated to be over Rs. 5000/= in less than a week. The donation amount was quite enough to launch the institute. So Dr. Wood, within five weeks, purchased all necessary furniture, books, equipment, etc., and hired the staff to run the institute. The college's location was decided on amid the city's scenic surroundings. Seth Pertab Rai Manghar Singh and a few others contributed their best piece of 64 acres of cultivated land for this beautiful deed. The date of the college's founding was chosen to coincide with Dr. Besant's birthday, 1st October 1917. Dr. Wood was appointed its founder Principal. The National Educational Trust provided the initial funding for the college. Later, in 1921, the college was given to the "Diwan Metharam Darmada Trust" (DMD), which was run by Diwan Dayaram Gidumal, who provided Rs.100000/= for the college's affiliation with Bombay University. After Diwan Dayaram Gidumal's death, the college was renamed D. G. National College Hyderabad.

The college initially began its journey as intermediate Arts College, soon the courses offered were B.Sc. in Industrial Science; B. A. in Agriculture and Political Science; and B.Com. In June 1927, B. A. (Hons.) in English, History, Economics and Philosophy were also offered. In 1934, Intermediate science classes were also started, which made the college a Science College. In 1940, there was the commencement of M. A. classes in Sindhi Literature. In 1945, classes for B.Sc. were started in Zoology, Botany and Chemistry. Later on, due to political turmoil in the Indian sub-continent, the college was closed. Its faculty and other staff migrated from Hyderabad to other parts of India, leaving behind the deserted institute.

The second phase of this historic educational institution began after the establishment of Pakistan. The deserted D. G. National College Hyderabad, due to this voluntary departure of its original owners, was taken over by the Government of Sindh. It decided to reopen it on 21st June 1948 with "D. G. National Government College Hyderabad". Prof. Dr. Adrian Duarte was appointed as its Principal. Dr. Duarte had to rebuild the college from the ground up. The extraordinary leadership of appointed as its Principal was instrumental in the re-birth of this fantastic institute. The re-birth of this glorious institute took place under the remarkable leadership with 224 students on the roll and a faculty comprised of 6 professors, 15 Lecturers and three demonstrators.

(Since 1st October 1917)

There was co-education till 1952-52 as there was no college for the girls. On 9th April 1949, the college was renamed "Government Arts College, Hyderabad". Later, on 7th March 1951, the college was renamed "Government College Hyderabad" through a government resolution and was allowed to teach up to B. Sc., stage in affiliation with Sindh University. Within the next few years, there was a significant increase in the number of science students. During the academic session 1952-53, the enrolment surpassed 1000.

Government College Hyderabad has the honour of first starting post-graduate classes in Arts and Science of Sindh University after migrating from Karachi to Hyderabad. Its professors were given the status of part-time Professors of the University. The commencement of M. A. (Urdu; & English) and M.Sc. (Physics; Chemistry; Mathematics; and Statistics) in 1991 and later M.Sc. in Zoology and Botany in 1993 ushered in a new era in the history of this institution. Another milestone in the pathway towards success was the commencement of Bachelor of Computer Science (BCS) in 2002. Being one of the oldest institution of Sindh and with heritage in academic excellence, people of Hyderabad, Alumni and the faculty of this institution looking forward for the up-gradation to the level of university. This demand was then sounds in print and electronic media of Sindh province.

The demand towards the up-gradation as University touched its peak when one of its shining stars, Raja Pervez Ashraf, occupied the highest seat of Prime Minister of Islamic Republic of Pakistan. His Excellency, Raja Pervez Ashraf, visited his alma mater on 23rd February 2013. The Alumni and the faculty members of government College Hyderabad was determined to keep calling the attention of the political, social and educational leadership towards the noble cause of the establishment of Government College University Hyderabad. A delegate of Alumni comprised of Prof. Dr. Nasiruddin Shaikh, Prof. Muhammad Idris Khan, Mr. Abdul Rehman Rajput (Ex MPA), Mr. Mazhar ul Haq Siddiqui (Ex VC, Sindh University), Mr. Kazi Asad Abid (renowned Journalist), met with Excellency Syed Murad Ali Shah, Chief Minister, Sindh. The delegate briefed the Excellency CM about the outstanding contribution of their alma mater in nation-building and services being rendered for almost a century. The representative reiterated the Alumni demand for the up-gradation of Govt. College Hyd as a university. The CM Sindh appreciated the concerns of all Phulelians. The long-awaited day had finally arrived. His Excellency, Syed Murad Ali Shah, CM Sindh, officially announced the up-gradation of the status of Government College Hyderabad as University on the 9th of October 2017, while presiding over the seminar "Government College Hyderabad: Past, Present, and Future" at the Assembly Hall of Government College Hyd. The Sindh Government Gazette notification vides, the title "Government College University Hyderabad Act 2018", was issued on 21st May 2018 by the Provincial Assembly of Sindh, thus conferring upon official status to Government College University Hyderabad. The official notification of Prof. Dr. Nasiruddin Shaikh (Principal, GCHYD) as Acting Vice-Chancellor on 13th February 2019 created a boom and boosted the tedious essential groundwork of GC University Hyderabad; the statutory Appreciated the concerns of all Phulelians. Acting Vice-Chancellor Dr. Nasiruddin Shaikh (Principal, GCHYD) boosted the GC University Hyderabad's arduous basic foundations. The syndicate, senate, board of studies, and other statutory bodies were constituted, and HEC Islamabad sought a NOC to begin the BS 4 year degree programs. GC University successfully completed two years of academic activities with all the grace and past reputation of excellence in every field of teaching and learning process. Chief Minister of Sindh, Syed Murad Ali Shah appointed Prof. Dr. Tayyaba Zarif as the first regular vice chancellor of GC University Hyderabad after the recommendation from search committee. She took charge on 12th March 2021 and leading the ship with new ideas, enthusiasm and motivation to further strengthening the university.



DR. ANNIE BESANT



DIWAN DAYARAM  
GIDDU MAL



DR. ERNEST WOOD



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## Hyderabad at a Glance







## About University



Government College University Hyderabad is the first ever public sector university in the city. This is a historical institution. It has been imparting quality education and practical knowledge to students coming from different parts of the country and providing them natural atmosphere alongside the bank of famous Phulleli Canal. This institution has traveled a long journey (1917-2021) from a premier college to a full flagged university. Students of GC University are treated and trained to become back bone of Pakistan in future. This institution has deep rooted impacts on the socioeconomic development of Hyderabad in particular and Sindh in general. GC University Hyderabad has a brilliant past and a bright future ahead, the brilliant past is visible from the luminous of the Alumni, the future is more sparkling with new blood, with new approach and with new goals. The institution is best known for its students support programs in terms of academia, finance, motivational activities and promotion of social positivity, moral and behavioral development.

GC University Hyderabad is chartered by Higher Education Commission of Pakistan (HEC), The University offering BS-4 year programs in the ten disciplines, Botany, Chemistry, Computer science, Education, English, Mathematics, Physics, Zoology, BBA and Information Technology. We provide our students best available facilities in the area. GC University Hyderabad has one of the oldest and richest library with more than 36000 books and every year new books are added in various fields of natural and social sciences. The historic Assembly Hall of the University is unique in its building, its stage has produced number of stars in various fields and students regularly play dramas and other activities under supervision of their learned teachers. The University has large and ventilated class rooms, well equipped laboratories, and seminars libraries and highly qualified teaching faculty. Apart from academia the campus has lush green cricket ground, Tennis, badminton and futsal courts, Gymnasium, canteen and number of grassy lawns. A beautiful mosque is also situated in the center.

It has been given the status of university by the Government of Sindh through an Act of Parliament in 2018. Within short span of time Quality Enhancement Cell (QEC) and Office of the Research, Innovation and Commercialization (ORIC) has been developed to improve the quality of teaching/research by developing innovative skills and creative approach among students. GC University Hyderabad has qualified faculty. It is also proudly mentioned that our faculty members have recently got a research project from Sindh HEC Titled "Green Nanotechnology: A safe approach for Environmental remediation. Another startup research grant for IPFP fellow from HEC Islamabad has also been approved. This clearly suggests how keen the faculty members are in research oriented activities. GC University Hyderabad is also looking forward to develop faculty with latest trends as they can enrich students with modern methods. Prof. Dr. Tayyaba Zarif, first regular Vice Chancellor of GC University Hyderabad is taking effective initiatives to develop this historical institution into a University Which can compete the modern challenges of academic and research world.





## **Authorities of the University**

As per charter of the Government College University Hyderabad, following are the authorities of the University:

- 1.The Senate**
- 2.The Syndicate**
- 3.The Academic Council**
- 4.The Board of Faculties**
- 5.The Board of Studies**
- 6.The Selection Board**
- 7.The Advance Study and Research Board**
- 8.The Finance and Planning Committee**
- 9.The Affiliation Committee**
- 10.The Discipline Committee**
- 11. Such other authorities as may be prescribed by Statutes.**







## Degree Programs

### Department of Botany

BS-4 Years (8-Semesters)

### Department of Computer Science

BS-4 Years (8-Semesters)

### Department of Mathematics

BS-4 Years (8-Semesters)

### Department of Zoology

BS-4 Years (8-Semesters)

### Department of Information Technology

BS-4 Years (8-Semesters)

### Department of Chemistry

BS-4 Years (8-Semesters)

### Department of English

BS-4 Years (8-Semesters)

### Department of Physics

BS-4 Years (8-Semesters)

### Department of Education

B.Ed (Hons.)-4 Years (8-Semesters)

### Department of Business Administration

BBA 4 Years (8-Semesters)





## Fee Structure Undergraduate 4 Years Degree Programs (Merit) 2022

G.C. UNIVERSITY HYDERABAD  
PROSPECTUS 2022

Undergraduate (BS First Year)	General Discipline	Computer Science Information Technology Business Administration
ADMISSION FEE	4,000	6,000
CAUTION MONEY (REFUNDABLE)	1,000	1,000
MARKS CERTIFICATE VERIFICATION FEE	2,000	2,000
ENROLLMENT CARD FEE	1,000	1,000
IDENTITY CARD FEE	300	300
SPORTS FEE	500	500
EXTRA-CURRICULAR ACTIVITIES FEE	500	500
PROJECT VISIT FEE	1,500	1,500
UNIVERSITY DEVELOPMENT FUND	1,500	1,500
LIBRARY DEVELOPMENT FUND	1,000	1,000
LABORATORY / COMPUTER LAB FEE	1,000	2,000
TRANSPORT FEE	6,000	6,000
TUITION FEE	5,000	6,000
PERN FEE	1,000	1,000

<b>TOTAL FEE AT THE TIME OF ADMISSION (YEARLY)</b>	<b>26,300</b>	<b>30,300</b>
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<b>EXAMINATIONS FEE AT THE TIME OF PER SEMESTER EXAMINATION</b>	<b>2,000</b> (PER SEMESTER)	<b>2,000</b> (PER SEMESTER)
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\*Self Support Programme for (General Discipline) = Rs. 67,000/- per year (Rs. 2,000 Per Semester)

\*Self Support Programme for Computer Science = Rs. 80,000/- per year (Rs. 2,000 Per Semester)

ENROLMENT CARD FEE & ELIGIBILITY  
CERTIFICATE FEE FOR THE STUDENTS OF  
SINDH PROVINCE, MIGRATING/ PASSING  
EXAMINATION FROM OTHER BOARDS  
(UNDER THE JURISDICTION OF  
GOVERNMENT COLLEGE UNIVERSITY  
HYDERABAD).

**Rs. 5000/-**

ENROLLMENT CARD FEE & ELIGIBILITY  
CERTIFICATE FEE FOR THE STUDENT OF  
OTHER PROVINCES, MIGRATING / PASSING  
EXAMINATION FROM OTHER BOARDS (OUT  
OF JURISDICTION OF GOVERNMENT  
COLLEGE UNIVERSITY HYDERABAD).

**Rs. 6000/-**







## University Calendar 2022 Academic Schedule

### First Semester

Orientation / commencement of classes .....	10.01.2022
Mid Term Examination .....	07.03.2022
Semester Classes End.....	29.04.2022
First Semester Examination (Tentative).....	16.05.2022
Final Grades Available to All Students.....	30.06.2022

### Second Semester

Semester classes start .....	01.08.2022
Mid Term Examination .....	10.10.2022
Semester Classes End .....	23.11.2022
Second Semester Examination (Tentative)..	05.12.2022
Final Grades available to all students .....	30.12.2022

## Holidays Calendar

Kashmir Solidarity Day .....	05 <sup>th</sup> February
Pakistan Day .....	23 <sup>rd</sup> March
Labour Day .....	1 <sup>st</sup> May
*EID-UL-FITAR.....	
*EID-UL-AZHA.....	
Independence Day.....	14 <sup>th</sup> August
*Youm-e-Ashur .....	(9th and 10th Muharram)
*Eid Milad-un-Nabi (PBUH) .....	
*Urs Hazrat Shah Abdul Latif Bhitai .....	
Quaid-e-Azam's Birthday.....	25 <sup>th</sup> December

\* (Subject to appearance of the moon)

## \*optional Holidays

Non Muslim University employees are entitled to avail any three of the following optional holidays, in a calendar year.

01	Holi
02	Easter Sunday
03	Diwali
04	Christmas





## Admission Schedule

Announcement in News papers (English, Urdu and Sindhi) on Sunday	12th September 2021
Online form submission from	12th September 2021
Last date of form submission	14th November 2021
Entry Test	21st November 2021
Announcement of the Result of Entry Test	22nd November 2021
1st provisional merit list	28th November 2021
Objection if any on 1st list	29th December 2021
Final provisional merit list	2nd December 2021
Department wise merit list	6th December 2021
Submission of documents and issue of bank challan	6th - 13th December 2021 (Two Days for each Submission)
Announcement of 1st admission list	17th December 2021
Objection if any on 1st admission list	18th December 2021
2nd updated admission list	20th December 2021
Objection if any on 2nd updated list	21st December 2021
Final Admission list	24th December 2021
Submission of 2nd list and issue of challan	27th - 31st December 2021
Orientation	3rd January 2022
Classes starts from	4th January 2022







## Distribution & Allocation of Seats

Departments	General Merit for BISE Hyderabad	Other Boards BISE Karachi	Other Boards BISE Mirpurkhas	Other Boards BISE Larkana	Other Boards BISE Sukkur	Boards of the other Province	Sports	Disable Quota	University Employee of GCUH	War & Shuhda	Armed Forces	Employee of affiliated Colleges	*Self Support	Total
Botany	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Chemistry	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Computer Science	18	02	05	02	02	01	01	01	02	01	01	01	03	40
English	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Education	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Mathematics	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Physics	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Zoology	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Information Technology	18	02	05	02	02	01	01	01	02	01	01	01	03	40
Business Administration	18	02	05	02	02	01	01	01	02	01	01	01	03	40
<b>Total</b>	<b>180</b>	<b>20</b>	<b>50</b>	<b>20</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>30</b>	<b>400</b>

- University authorities reserve the rights to fill any vacant seat from B.I.S.E Hyderabad.
- The candidates who have passed HSC Part-II from B.I.S.E. Hyderabad/Karachi/Mirpurkhas/Larkana/Sukkur must have domicile of Sindh.





# How to Apply

## 6 STEPS TO REGISTRATION

### Step 1



Register your ID @ <http://admissions.gcu.edu.pk> using your email ID and mobile number / CNIC.

Candidate must have CNIC copy of his /her own or his/her father, email ID (In case candidate do not have his/her CNIC).

### Step 2



After getting registered @ <http://admissions.gcu.edu.pk>, the online HBL Fee Challan for Admission Processing Fee will be generated worth of Rs. 1000/- which must be deposited in any HBL Branch.

### Step 3



Candidate has to attach the scanned copy of deposited challan in the online application for final submission. The candidate must ensure to fill in all correct required information in the application form.

### Step 4



For any correction / change in the application form candidates are given 2-Days. After verification of the application form there will be no further amendment possible.

### Step 5



After verification of challans by the Admission Office, successful candidates will be intimated via SMS, email and website portal ([admissions.gcu.edu.pk](http://admissions.gcu.edu.pk)).

### Step 6



## Government College University Hyderabad

### FACILITATION CENTER

Staff of GCUH Admission Office will be available during office hours to fill in the online admission form, answer the queries and guidance for the candidates.

#### Contact details are as follow:

Email: [dir.adm@gcu.edu.pk](mailto:dir.adm@gcu.edu.pk)  
Phone: (022) 2111877 | (022) 2111778







## General Regulations Governing Admission

- i) All admissions shall be provisional until approved by the Vice Chancellor
- ii) The Vice Chancellor may refuse admission to the University classes to any candidate without assigning any reason.
- iii) The foreign national candidates must be nominated/ recommended by the Ministry of Education/Ministry of Finance & Economic Affairs Division, Government of Pakistan, Islamabad and HEC.
- iv) A candidate who has not passed an examination from BISE Hyderabad shall have to obtain Certificate of Eligibility from the Government College University Hyderabad prior to his/her admission to any class. However, the Registrar may issue a provisional admission certificate if he is satisfied that the applicant is *prima facie* eligible for admission to this University. At his/her **OWN RISK AND COST** and on the condition that he/she obtains a final certificate of eligibility within 30 days from the date of admission.
- v) 05 marks will be deducted for every calendar year of the candidates who have passed HSC before 2021.
- Vi) 20 marks will be awarded to the candidates who have completed Hifz-e-Quran, provided that they produce sanad/certificate from registered madresha and other necessary requirements.
- Vii) The candidates who have passed HSC Part-II from B.I.S.E. Hyderabad / Karachi / Mirpurkhas / Larkana / Sukkur must have domicile of Sindh.
- Viii) If any student wants to withdraw Admission from GCUH, he/she shall have to submit application to Director Admission for refund of admission fee.
  - (a) 100% refund of fees if application is submitted within 07-Days from the commencement of the classes.
  - (b) 50% refund, if application is submitted within 15-Days from the commencement of the classes.
- v) Candidates who have passed Annual examination HSC Part-II (Pre-Medical/Pre-Engineering/General Science/Humanities) or equivalent examination/certificate O-Level & A-Level 2019 upto Annual Examination 2017 with at least 50% aggregate marks are eligible to apply for admission under Regular or Self Supporting scheme.
- Vi) The admission shall be purely on merit basis and subject to the availability of seats in the subject/course of study
- vii) Every selected candidate must inform in writing his/her choice of two minors/supporting subjects to the Chairperson of the department in which admitted within ONE WEEK from the commencement of teaching. No change of minor subjects will be allowed thereafter.
- viii) Candidates who have passed HSC in Pre-Medical Group can apply for 4-years BS Program in Botany, Zoology, Chemistry, English, Computer Science, Information Technology and B.Ed (Hons.). Intermediate in Pre-Medical students admitted in Computer Science and Information Technology must pass deficiencies courses of Mathematics of 6-Credit Hours within 1-Year of their regular studies.
- ix) Candidates who have passed HSC in Pre-Engineering Group are eligible to apply for 4-years BS Program in Mathematics, Physics, Chemistry, Computer Science, English as well as 4-Years B.Ed. (Hons).
- x) Candidates who have passed HSC in General Science Group are eligible to apply for 4-Years BS Program in Computer Science, Mathematics, Physics, English as well as 4-Years B.Ed. (Hons).
- xi) Candidates who have passed HSC in Humanities Group are eligible to apply for 4-Years BS Program in English as well as 4-Years B.Ed. (Hons).
- xii) For 4-Years B.Ed. (Hons) Program, candidates who have HSC in Pre-Med; Pre-Eng; General Science; Humanities; Commerce or equivalent group can apply.

## Eligibility Criteria and other rules

- i) Candidate who has passed the H.S.C., (Intermediate) Pre-Medical; Pre-Engineering; General Science; Commerce; Humanities groups or an equivalent examination recognized by the University.
- ii) Minimum percentage of marks in H.S.C., or equivalent is not less than 50% of marks obtained.
- iii) Candidate must have scored at least 40% marks in Pre-Entry Test of GCUH.
- iv) Any other condition prescribed for any subject specified by GCUH.

## Filing-in of the left over seats:

- i) The GCUH authority reserves the right to fill in the left over seats in any category from waiting list of candidates of BISE Hyderabad on merit basis.
- ii) As regards (i) above, the left over seats because of non-payment of fees, if any within the prescribed time limit, the seat shall be considered as left over and filled in as per procedure prescribed therein and selected candidates whose seats have fallen vacant due to non-payment of fee, if any, for whatever reason, shall not claim the admission and shall not challenge the admission of any other candidate selected in his/her place in particular or any other quota oriented course or general course of study mentioned by him/her in the Admission form.





# GOVERNMENT COLLEGE UNIVERSITY HYDERABAD

## Pre Entry Test

- Entry Test is subjected to COVID-19 situation, for admissions in any discipline/program of GCUH whether as regular candidate, or reserved seats or on self-support basis.
- To qualify for admission, the minimum acceptable score for GCUH is 40% in Pre Entry Test.
- The Pre Entry Test will be based upon MCQs.
- The Pre Entry Test shall based on subjects studied at HSC level.
- There will be no negative marking in Pre-Entry Test.
- Time allowed for Pre Entry Test is 2 Hours.
- For candidates seeking admission in 4-years BS Program as well as B.Ed (Hons) Program , the Entry Test shall cover the different areas as follows:

### Pre-Medical Group:

Physics + Chemistry + Biology + English = Total 100 Questions (25 questions from each concentration).

### Pre-Engineering Group:

Physics + Chemistry + Mathematics + English = Total 100 Questions (25 questions from each concentration).

### General Science Group:

Physics + Computer Science + Mathematics + English = Total 100 Questions (25 questions from each concentration).

### Arts Group:

Pakistan Studies + Islamiyat + General Mathematics + English = Total 100 Questions (25 questions from each concentration).

## Procedure for Determining Merit

Exams		Weightage
Matriculation	=	10%
Intermediate / Equivalent	=	40%
Pre-Entry Test%	=	50%
Cumulative Percentage		

In lieu of Entry Test under COVID-19 conditions the criteria of merit would be determined as follows.

Exams		Weightage
Matriculation/Equivalent	=	30%
Intermediate/Equivalent	=	70%





## Examination Rules (Semester)

- 1.1 In each Semester, students may be required to appear in quizzes, tests, midterms, final examinations, presentations (individual/group), group discussion, and submit projects/assignments/lab reports etc. These assessment marks (to be determined by the teacher concerned) will have different weightage contributing towards the overall assessment in percent marks. This weightage may determine based on the following guidelines:

Nature of Examination	Weightage (Min/Max)
Quizzes	5 %
Mid Semester Examinations	25%
Attendance	10%
Assignments	5 %
Presentations	5 %
Final Examination	50 %

**Note:** In case of a course with the composition of 4(3+1), (03 credit hour theory and 01 credit hour practical), the weightage for the practical may be considered 25%.

- 1.2 At the beginning of a Semester, the Instructor of each course should hand out a syllabus providing information to the students that define attendance policy, grade distribution policy, assessment criteria, paper specification, examination dates, schedule of material to be taught, take-home assignment policy, required and recommended reading materials and any other information important for the successful completion of the course and its requirements.
- 1.3 There will be no Supplementary/Special Examination in a Semester System; if a student fails in a course, s/he is required to repeat it. The faculty will award an incomplete grade only in exceptional cases beyond a student's control, such as serious accidents, family tragedy, serious health ailments, etc.

## Attendance

- 2.1 Attendance in classes is mandatory, especially in a semester system.
- 2.2 Each Institution may develop a policy for minimum attendance (>75 %) in a course to complete the requirements.
- 2.3 The Instructor may report a student's absences, and the student may be placed on attendance probation by their dean/HOD, and the department will notify it. A student may be dropped from the university for violating the terms of such probation.

## Repeating Courses / Improvement of CGPA

- 3.1 Undergraduate students may be allowed to repeat a course in which s/he has obtained a Grade below "C".
- 3.2 In case of CGPA improvement, it would be recorded with (Imp) on the transcript.

## Grading Policy

- 4.1 GCUH follows FRACTIONALIZED GRADING POLICY.

Grade	Grade Points	Percentage obtained in a Semester System
A	3.67 - 4.00	85 and above
A-	3.34 - 3.66	80 - 84
B+	3.01 - 3.33	75 - 79
B	2.67 - 3.00	71 - 74
B-	2.34 - 2.66	68 - 70
C+	2.01 - 2.33	64 - 67
C	1.67 - 2.00	61 - 63
C-	1.31 - 1.66	58 - 60
D+	1.01 - 1.30	54 - 57
D	0.10 - 1.00	50 - 53
F	0.00	Below 50

## Computation of Semester Grade Point Average (GPA) And Cumulative Grade Point Average (CGPA)

- 5.1 **GPA:** This figure ranging preferably from 0.00 to 4.00 be used to indicate the performance of a student in the Semester concerned. A standard scale of 0.00 to 4.00 is recommended at GCUH.

$$\text{GPA} = \frac{\text{Sum over all courses in a Semester (Course Credit Hours x Grade Point Earned)}}{\text{Total Semester Credit Hours}}$$

Semester Grade Point Average (GPA) and Cumulative Grade Point Averages (CGPAs) will be calculated using the following relationships:

$$\text{CGPA} = \frac{\text{Sum over all taken courses in all Semesters (Course Credit Hours x Grade Point)}}{\text{Total Credit Hours took in all Semester}}$$

## CGPA is required for the completion of Undergraduate and Graduate Degree

- 6.1 For completion of the degree, the minimum qualifying CGPAs for BS Students are 2.00.
- 6.2 In case a student secures less than 2.00 CGPA (minimum qualifying CGPA) at the end of the final Semester, s/he may be allowed to get re-admission in one or more courses, in which his/her Grade is below C, along with the forthcoming Semester, provided that s/he is not debarred under the CGPA Improvement Regulation and time duration specified for the program.

## Examination Fee

- 7.1 Semester examination fee is 2000, and improver and failure fee is 750.





# Department of Botany





# Department of Botany

## Introduction

The department of Botany is a leading department of the University. The department has well experience and qualified research oriented faculty. The laboratories are well equipped and students are trained with enthusiasm and motivation. It has offered four year bachelors degree BS (Botany).

## Faculty

S. No.	Name of Faculty	Designation	Email
1.	Prof. Dr. Nasiruddin Shaikh	Chairman & Professor	dr.nasiruddin.shaikh@gcu.edu.pk
2.	Dr. Altaf Ahmed Simair	Assistant Professor	altafsimair@gcu.edu.pk
3.	Mr. Muhammad Aqil	Lecturer	muhammad.aqil@gcu.edu.pk
4.	Mr. Asim Patrick	Lecturer	asim.patrick@gcu.edu.pk
5.	Mr. Abdul Sami Dahri	Lecturer	abdulsamidahri@gcu.edu.pk
6.	Dr. Javed Iqbal	IPFP fellow (HEC)	javed.iqbal@gcu.edu.pk







## SEMESTER WISE BREAKUP For BS-4 Years Program in Botany

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Zoology –I	3
Applied Microbiology/Chemistry-I	3
Diversity of Plant	4
Functional English-I	3
Pakistan Studies	3
Elementary Mathematics	2
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Zoology –II	3
Applied Microbiology/Chemistry-II	3
Plant Systematic Anatomy & Development / Embryology	4
Functional English-II	3
Islamiyat/Ethics	2
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Zoology-III (Animal Diversity)	3
Plant Nutrition	3
Cell Biology, Genetics & Evolution	3
Functional English-III	3
Introduction to Information & Computer Technology	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Zoology-IV (Animal Diversity)	3
Basic Biochemistry	3
Research Methodology BOTANY	3
Environmental Sciences BOTANY	3
Plant Physiology	3
Biodiversity & Conservation	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>





## SEMESTER WISE BREAKUP For BS-4 Years Program in Botany

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Bacteriology & Virology	3
Diversity of Vascular Plants	3
Phycology & Bryology	3
Mycology & Plant Pathology	4
Plant Systematics	4
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Plant Anatomy	3
Plant Ecology-I	3
Genetics-I	4
Plant Biochemistry-I	4
Plant Physiology-I	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Elective -I (Research Project)	3
Elective -II	3
Molecular Biology	4
Plant Biochemistry-II	4
Plant Ecology-II	4
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

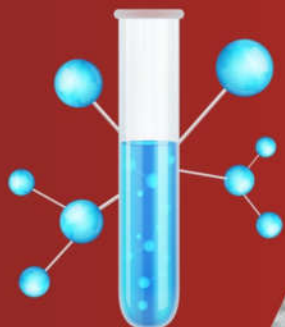
#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Elective-III	3
Elective-IV	3
Plant Physiology-II	3
Genetics-II	3
Environmental Biology-II	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>





# Department of Chemistry





# Department of Chemistry

## Introduction

The Department of Chemistry is one of the premier facility in the GC University Hyderabad. The Department has the honour of having legendary teachers and students served in their respective era of history. The department has highly qualified faculty, working in specific fields of research interest. The Department of Chemistry has four well established laboratories supported by well-trained technical laboratory staff. A state of the art Seminar Library with latest books belonging to the fields of Chemistry is available for the students.

This Department is offering 04 year bachelors degree (BS in Chemistry).

## Faculty

S.No.	Name of Faculty	Designation	Email
1.	Prof. Dr. Syed Iqleem Haider Taqvi	Chairman & Professor	dr.iqleem.haider@gcu.edu.pk
2.	Dr. Mazhar Iqbal Khaskheli	Assistant Professor	dr.mazhar.iqbal@gcu.edu.pk
3.	Dr. Asghar Ali	Assistant Professor	dr.asghar.ali@gcu.edu.pk
4.	Dr. Asif Ali Bhatti	Lecturer	dr.asifali.bhatti@gcu.edu.pk
5.	Dr. Almas Fatima Memon	IPFP fellow (HEC)	dr.almas.fatima@gcu.edu.pk
<b>College Side Faculty</b>			
6.	Mr. Masroor Ahmed Shaikh	Assistant Professor	
7.	Syed Najaf Raza	Assistant Professor	
8.	Mr. Muhammad Iftikhar	Lecturer	
9.	Mr. Ghulam Murtaza	Lecturer	
10.	Mr. Shujaat Ali Bhurgri	Lecturer	







## SEMESTER WISE BREAKUP For BS-4 Years Program in Chemistry

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Botany/Zoology/Statistics	3
Physics-I	3
Inorganic Chemistry	4
Functional English-I	3
Pakistan Studies	2
Mathematics-I	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Botany/Zoology/Statistics	3
Physics-II	3
Organic Chemistry	4
Functional English-II	3
Islamiyat/Ethics	2
Mathematics-II / Functional Biology	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Botany/Zoology/Statistics	3
Physics-III	3
Environmental Chemistry	3
Physical Chemistry	4
Functional English-III	3
Introduction to Information & Computer Technology	3
<b>TOTAL CREDIT HOURS</b>	<b>19</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Botany/Zoology/Statistics	3
Physics-IV	3
Analytical Chemistry	3
Applied Chemistry	3
Biochemistry	3
Functional English-IV	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>





## SEMESTER WISE BREAKUP For BS-4 Years Program in Chemistry

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Inorganic Chemistry	4
Organic Chemistry	4
Physical Chemistry	4
Analytical Chemistry	4
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Inorganic Chemistry	4
Organic Chemistry	4
Physical Chemistry	4
Biochemistry (3+1)	4
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Research Project	3
Elective -I	3
Paper-I (3+1)	4
Paper-II	3
Paper-III	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Research Project	3
Elective -II	3
Paper-IV	3
Paper-V	3
Paper-VI	3
LAB	1
<b>TOTAL CREDIT HOURS</b>	<b>16</b>





# Department of Computer Science





## Department of Computer Science

### Introduction

The department of Computer Science is the leading department of the GC University Hyderabad. The department has highly skilled faculty members, they have already shown their expertise in different development phases of the University. The department has latest computer labs supported by high configuration I.T facilities and well enough supported staff. The department offers four year bachelors degree BS (Computer Science).

### Faculty

S.No.	Name of Faculty	Designation	Email
1	Mr. Tariq Hussain Jalbani	Incharge Chairman & Assistant Professor	tariq.hussain.jalbani@gcu.edu.pk
2	Mr. Sohail Ahmed Shah	Assistant Professor	sohailahmed.shah@gcu.edu.pk
3	Mr. Salman Qazi	Lecturer	salman.qazi@gcu.edu.pk
4	Syed Abrar Ali Shah	Lecturer	syedabrarali.shah@gcu.edu.pk
5	Mr. Muhammad Irfan Baloch	Lecturer	irfan.baloch@gcu.edu.pk
6	Mr. Zeeshan Ahmed Mughal	Lecturer	zeeshan.mughal@gcu.edu.pk







## SEMESTER WISE BREAKUP For BS-4 Years Program in Computer Science

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Basic Electronics	3
Calculus and Analytical Geometry (Pre-Engr) / Algebra and Trigonometry (Pre-Med)	3
Remedial English-I	3
Pakistan Studies	2
Introduction to Computing (3+1)	4
Computer Programming (C Language) (3+1)	4
<b>TOTAL CREDIT HOURS</b>	<b>19</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Differential Equation & Vector Analysis (P.E.) / Basic Calculus & Analytical Geometry of 2D (P.M.)	3
Basic Financial Accounting & Financial Management	3
Remedial English-II	3
Islamic Studies/Ethics	2
Fundamentals of Algorithms (3+1)	4
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Linear Algebra & Analytical Geometry of 3D (P.E.) / Calculus & Trigonometry (P.M.)	3
Statistics and Probability	3
Data Structure	3
Object Oriented Programming (JAVA) (3+1)	4
Discrete Mathematics	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Advanced Calculus & Integral Transforms (P.E.) / Linear Algebra & Analytical Geometry of 3D (P.M.)	3
Human Resource Management	3
Computer Organization and Assembly Language (3+1)	4
Database System	3
Digital Logic Design (3+1)	4
<b>TOTAL CREDIT HOURS</b>	<b>17</b>





## SEMESTER WISE BREAKUP For BS-4 Years Program in Computer Science

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Numerical Analysis	3
Operations Research	3
Software Engineering (3+1)	4
Computer Architecture	3
Modern Programming Languages	3
Mobile Applications & Development (2+1)	3
<b>TOTAL CREDIT HOURS</b>	<b>19</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Data Communication	3
Computer Graphics	3
Automata Theory	3
Analysis of Algorithms	3
Human Computer Interactions (2+1)	3
Data ware Housing	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Visual Programming (Elective-I) (3+1)	4
Computer Networks (Elective-II) (3+1)	4
Operating System	3
Compiler Construction	3
Artificial Intelligence	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Web Engineering (Elective-III) (3+1)	4
Scientific Modeling & Simulation (Elective-IV)	3
Project	6
Comprehensive Viva-Voce	2
<b>TOTAL CREDIT HOURS</b>	<b>15</b>





# Department of Information Technology





# Department of Information Technology

## Introduction

Information Technology is emerging field of modern time. It deals with dynamic things of today's world. It boosts development and it is used to exchange information. It has made things easier because intricate problems of modern life can be addressed easily with the help of Information Technology. IT Department of GC University is equipped with latest laboratory and qualified faculty. It provides excellent atmosphere for teaching and learning. The department is offering 4-years (8 semesters) Bachelor Degree (BS in IT).

## Faculty

S.No.	Name of Faculty	Designation	Email
1	Dr. Sheeba Memon	Lecturer	sheeba.memon@gcu.edu.pk
2	Ms. Komal Naz	Lecturer	komal.naz@gcu.edu.pk





## SEMESTER WISE BREAKUP For BS-4 Years Program in IT

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Introduction to Computing	3
Programming Fundamentals	4
English Composition and Comprehension	3
Calculus and Analytical Geometry	3
Islamic Studies/Ethics	2
Pakistan Studies	2
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Object-Oriented Programming	4
Communication and Presentation Skills	3
Digital Logic Design	4
Linear Algebra	3
Applied Physics	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Data Structures & Algorithms	4
Professional Practices	3
Discrete Structures	3
Microprocessor and Interfacing Techniques	3
Formal Methods	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Operating Systems	4
Database System	4
Probability and Statistics	3
IT Project Management	3
Python Programming Language	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>



## SEMESTER WISE BREAKUP For BS-4 Years Program in IT

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Web Technologies	3
Computer Networks	4
Software Engineering	3
Modeling and Simulation	3
Computer Graphics	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Wireless Networks	3
Human Computer Interaction	4
Operation Research	3
IT Infrastructure	3
Human Resource Management	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Final Year Project-I	3
Artificial Intelligence	4
Mobile Application Development	3
Data Sciences	3
Theory of Automata	4
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

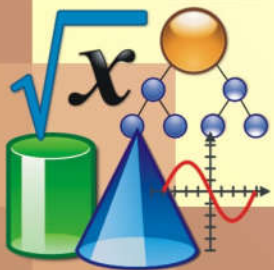
#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Final Year Project-II	3
Internet of Things	3
Data Warehousing & Data Mining	3
Information Security (Comp. Core)	3
Digital Image Processing	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>





# Department of Mathematics



# Department of Mathematics

## Introduction

The mathematics is a key subject in almost all discipline of natural and social sciences. It offers diversified courses for different department of the University. The department is well supported experience faculty members. It offers four year bachelors degree BS (Mathematics).

## Faculty

S.No.	Name of Faculty	Designation	Email
1	Mr. Muhammad Aslam Ansari	Incharge Chairman& Assistant Professor	muhammad.aslam.ansari@gcu.edu.pk
<b>College Side Faculty</b>			
2	Mr. Ghulam Farooq Jan	Associate Professor	
3	Mr. Waseem Ahmed Arain	Assistant Professor	
4	Mr. Bhoj Raj Lohana	Assistant Professor	
5	Dr. Kamran Malik	Assistant Professor	
6	Mr. Muhammad Aslam Unar	Lecturer	
7	Mr. Zulfiqar Ali Shaito	Lecturer	







## SEMESTER WISE BREAKUP For BS-4 Years Program in Mathematics

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Physics/Chemistry/Statistics/Economics/ Psychology/etc –I & LAB (3+1)	4
Mathematics A-I (Number system and Algebra)	3
English-I (Functional English)	3
Pakistan Studies	2
Mathematics B-I (Statistics and Probability)	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Physics/Chemistry/Statistics/Economics/ Psychology/etc –II & Lab (3+1)	4
Mathematics A-II (Calculus and Fourier Series)	3
English-II (Academic Reading and Writing)	3
Islamiyat/Ethics	2
Mathematics B-II (Statistics and Dynamics)	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Physics/Chemistry/Statistics/Economics/ Psychology/etc –III (3+1)	4
Mathematics A-III (Differential Equations & Vector Analysis)	3
English-III (Communication Skills)	3
Computer (Introduction & Applications)	3
Mathematics B-III (Geometry & Number Theory)	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Physics/Chemistry/Statistics/Economics/ Psychology/etc –IV & Lab (3+1)	4
Mathematics-A IV (Set Topology & Theory of Equations)	3
English-IV (English for practical Aims)	3
Mathematics-B IV (Linear Algebra)	3
Numerical Methods & Difference Equations	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>



## SEMESTER WISE BREAKUP For BS-4 Years Program in Mathematics

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Algebra-I	3
Complex Analysis-I	3
Differential Geometry	3
Real Analysis-I	3
Differential Equations	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Measure Theory	3
Algebraic Topology	3
Algebra-II	3
Real Analysis-II	3
Numerical Analysis-I	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Analytical Dynamics	3
Rings & Fields	3
Functional Analysis	3
Mathematical Statistics & Probability	3
Numerical Analysis-II	3
Operation Research	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Methods of Mathematical Physics	3
Optimization Techniques	3
Integral Equations	3
Tensor & Advanced Differential Geometry	3
Numerical Solution of P.D.E.	3
Comprehensive Viva-Voce	4
<b>TOTAL CREDIT HOURS</b>	<b>19</b>





# Prof. Muhammad Idris Khan Department of Physics





## Department of Physics

### Introduction

The department of Physics is one of premier facility in GC University, Hyderabad. The department has the honour of having legendary teachers and students served in their respective Era of history. The department of physics has Six well equipped laboratories supported by trained technical laboratory staff. It has offered four year bachelors degree, BS in Physics. The course contains 8 semesters, pre requisite: HSC (Pre Medical/Pre Engineering/General Science) or equivalent.

### Faculty

S.No.	Name of Faculty	Designation	Email
1	Dr. Muhammad Najam Shaikh	Incharge Chairman & Assistant Professor	dr.muhammadnajam.shaikh@gcu.edu.pk
2	Dr. Barkat Ali Laghari	Assistant Professor	dr.barkatali.laghari@gcu.edu.pk
3	Mr. Abdul Sajid	Lecturer	abdul.sajid@gcu.edu.pk
4	Mr. Qadir Bakhsh Yasir Shahani	Lecturer	qadirkhsh.yasir@gcu.edu.pk
5	Mr. Asadullah Qureshi	Associate Professor (College Side)	







## SEMESTER WISE BREAKUP For BS-4 Years Program in Physics

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Chemistry-I	3
Mechanics (4+1)	5
Functional English-I	3
Pakistan Studies	2
Calculus-I	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Chemistry-II	3
Electricity & Magnetism (4+1)	5
Heat & Thermodynamics	3
Functional English-II	3
Islamiyat/Ethics	2
Calculus-II	3
<b>TOTAL CREDIT HOURS</b>	<b>19</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Linear Algebra	3
Social Sciences	3
Modern Physics	3
Waves & Oscillations	4
Functional English-III	3
Introduction to Information & Computer Technology	3
<b>TOTAL CREDIT HOURS</b>	<b>19</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Differential Equations	3
Probability & Statistics / Applied Maths	3
Geography / Psychology	3
Optics	4
Functional English-IV	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>



## SEMESTER WISE BREAKUP For BS-4 Years Program in Physics

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Electronics-I (3+2)	5
Electrodynamics-I	3
Classical Mechanics	3
Mathematical Methods of Physics-I	3
<b>TOTAL CREDIT HOURS</b>	<b>14</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Electronics-II	5
Electrodynamics-II	3
Mathematical Methods of Physics-II	3
Quantum Mechanics-I	3
Statistical Physics	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Elective -I	3
Quantum Mechanics-II	3
Advance Experimental Lab	2
Atomic & Molecular Physics	3
Solid State Physics-I	3
Nuclear Physics/Introduction to Relativity	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Elective-II	3
Elective-III	3
Elective-IV	3
Solid State Physics-II	3
Research Project	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>





# Department of Zoology



## Department of Zoology

### Introduction

The department of Zoology has always played a leading role in academic as well as non-academic activities of the University. The department has well equipped laboratories with latest facilities and well trained, highly qualified, experienced, enthusiastic and devoted faculty. The lectures are delivered through multimedia. Students are encouraged to involve in group discussions through presentations.

The department is offering 4-Years (8 semesters) Bachelor Degree (BS in Zoology).

### Faculty

S.No.	Name of Faculty	Designation	Email
1.	Mr. Shakeel Ahmed Memon	Incharge Chairman & Assistant Professor	shakeelahmed.memon@gcu.edu.pk
2.	Dr. Muhammad Moosa Abro	Lecturer	muhammad.moosa@gcu.edu.pk
3.	Dr. Bhojoo Mal Meghwar	Lecturer	dr.bhojoo.mal@gcu.edu.pk
4.	Mr. Dhani Bux Mashori	Lecturer	dhanibux.mashori@gcu.edu.pk







## SEMESTER WISE BREAKUP For BS-4 Years Program in Zoology

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Botany-I	3
Chemistry-I	3
Animal Diversity-I (Invertebrates)	4
Functional English-I	3
Pakistan Studies	2
Elementary Mathematics	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Botany-II	3
Chemistry-II	3
Animal Diversity-II (Chordates)	4
Cell Biology	3
Functional English-II	3
Islamiyat/Ethics	2
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Botany-III	3
Chemistry-III	3
Social Sciences	3
Animal Form & Function-I	4
Functional English-III	3
Introduction to Information & Computer Technology	3
<b>TOTAL CREDIT HOURS</b>	<b>19</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Psychology/Geography Etc.	2
Biochemistry-I	3
Animal Form & Function-II	4
Functional English-IV	3
Animal Behavior	3
Biological Technique	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>



## SEMESTER WISE BREAKUP For BS-4 Years Program in Zoology

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Economic Zoology	3
Biochemistry-II	3
Evolution	2
Physiology	4
Ecology	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Principles of Systematics	3
Research Methodology	2
Developmental Biology	4
Genetics	4
Wildlife	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
ELECTIVE-I	3
ELECTIVE-III	3
Biostatistics	3
Thesis (Research Project)	3
Molecular Biology	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
ELECTIVE - II	3
ELECTIVE - IV	3
Bioinformatics	3
Immunology	3
Zoogeography & Paleontology	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>





# Department of Education





# Department of Education

## Introduction

The foundation for any country and the key towards its rise is its educational system. The Department of Education at GCU intends to produce well-developed and effective experts in the field of education. The growth of Educational department has been augmented as the field of technology and research continues to develop as their growth affects these fields reciprocally. Currently The Department of Education at GCU is offering B.ed Honors in Education, a four year degree program. The faculty and management puts great focus on guiding and providing latest techniques in field of education, introduce innovative ideas towards the enhancement of teaching field and student counseling.

## Faculty

S.No.	Name of Faculty	Designation	Email
1	Mr. Masood Ahmed Siddiqui	Incharge Chairman & Lecturer	masood.ahmed@gcuhy.edu.pk
2	Mr. Malik Hussain Kalhoro	Lecturer (College Side)	





## SEMESTER WISE BREAKUP For B.Ed. (Hons.) 4 Years Program in Education

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Arts, Crafts and Calligraphy	3
Child Development	3
General Methods of Teaching	3
Functional English-I	3
Pakistan Studies	2
General Mathematics	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
General Science	3
Classroom Management	3
English-II (Communication Skills)	3
Islamic Studies/Ethics	2
Computer Literacy	3
Methods of Teaching Islamic Studies	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Urdu/Sindhi Language	3
Teaching Literacy Skills	3
Teaching of Urdu//Regional Languages	3
Teaching of G. Sciences	3
Instructional and Communication Technology (ICT) in Education	2
Teaching Practice	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Teaching of English	3
Teaching of Mathematics	3
Teaching of Social Studies	2
Teaching Practice	3
Classroom Assessment	3
School, community and Teacher	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>



## SEMESTER WISE BREAKUP For B.Ed. (Hons.) 4 Years Program in Education

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Content Course-I (From selected discipline-I)	3
Content Course-I (From selected discipline-II)	3
Foundations of Education	3
Curriculum Development	3
Educational Psychology	3
English-III (Technical Writing & Presentation Skills)	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Content Course-II (From selected discipline-I)	3
Content Course-II (From selected discipline-II)	3
Contemporary Issues and Trends in Education	3
Comparative Education	3
Introduction to Guidance and Counseling	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Content Course-III (From selected discipline-I)	3
Content Course-III (From selected discipline-II)	3
Pedagogy – I (Methods of Teachings related to specialization – I)	3
Pedagogy – II (Methods of teaching related to specialization – II)	3
Research Methods in Education	3
Teaching Practice	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
School Managemnet	3
Test Development and Evaluation	3
Teaching Practice	6
Research Project	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### NOTE:

1. Universities / Institution may add additional and/or advance level content courses if deemed necessary.
2. Universities / Institution may re-organize the courses in various semesters according to the local needs and facilities / resources available (the flexibility is provided to facilitate the universities / institutions).
3. The specialized courses of pedagogy and content courses shall be developed by the concerned university according to the expertise and resources available for any area/s of specialization offered by the university/institution.





# Department of English





## Department of English

### Introduction

English Department is an important department of GC University. It is equipped with modern facilities such multi media class rooms, seminar library and spacious class rooms. Faculty of English Department is well qualified and dedicated with professional attitude. Students are provided friendly atmosphere as they may get real essence of English Language, literature and culture.

### Faculty

#### S.No.Name of Faculty

- 1 Mr. Muhammad Idress Shar
- 2 Mr. Abdul Sattar Laghari
- 3 Mr. Pervaiz Solangi
- 4 Mr. Perwaiz Ali Bughio
- 5 Ms. Mahnoor Shaikh

#### Designation

- Incharge Chairman & Assistant Professor
- Lecturer
- Lecturer
- Lecturer
- Teaching Assistant

#### Email

- m.idress.shar@gcu.edu.pk
- abdulsattar.laghari@gcu.edu.pk
- pervaiz.solangi@gcu.edu.pk
- parwezali.bughio@gcu.edu.pk

#### College Side Faculty

- 6 Mr. Nazakat Ali Nizamani
- 7 Mr. Muhammad Akram Shaikh
- 8 Mr. Saqib Shahzad Memon
- 9 Mr. Mirza Muhammad Maisum Baig
- 10 Mr. Zulfiqar Ali Bhatti
- 11 Mr. Tasawar Ali Shaikh
- 12 Mr. Muhammad Afzal Dal
- 13 Mr. Zubair Ahmed Laghari

- Assistant Professor
- Assistant Professor
- Lecturer
- Lecturer
- Lecturer
- Lecturer
- Lecturer
- Lecturer







## SEMESTER WISE BREAKUP For BS-4 Years Program in English

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
Introduction to Political Science	3
Introduction to Language-I	3
Introduction to Literature-I	3
Functional English-I	3
Pakistan Studies	2
Elementary Mathematics	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
Economics	3
International Relations	3
Introduction to Language-II	3
Introduction to Literature-II	3
Functional English-II	3
Islamiyat/Ethics	2
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Introduction to Geography	3
Functional English-III	3
Introduction to Information & Computer Technology	3
Sindhi/Urdu	3
History of English Language-I	3
Prosody and Literacy Terms	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Introduction to Psychology	3
Muslim History	3
Functional English-IV	3
Sindhi/Urdu	3
History of English Literature-II	3
English Language Skills	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>



## SEMESTER WISE BREAKUP For BS-4 Years Program in English

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Phonology & Phonetics	3
Language Learning Theories	3
Classical Poetry	3
Drama	3
Sociolinguistics	3
Grammar & Syntax	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Prose	3
Fiction	3
Varieties of English Language	3
Testing and Evaluation	3
English Language Teaching Methodology	3
Romantic Poetry	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Literary Criticism	3
Introduction to Research Methods	3
Curriculum & Syllabus Design	3
Discourse Analysis	3
World Literature-I	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
ETL in Pakistan	3
Pakistani Literature in English	3
Interculture Communication	3
World Literature-II	3
Dissertation	3
Comprehensive Viva- Voce	3
<b>TOTAL CREDIT HOURS</b>	<b>18</b>





# Department of Business Administration





# Department of Business Administration

## Introduction

Business administration is a smart choice for securing a successful future as it can open doors to a variety of career options. Students can develop career-specific skills that improve their employability and can help them enter many different fields ranging from healthcare administration to corporate management. The department is offering 4-years (8 semesters) Bachelor Degree in Business Administration.

## Faculty

S.No.	Name of Faculty	Designation	Email
1.	Mr. Dodo Khan Alias Khalid	Assistant Professor	alias.khalid@gcu.edu.pk





## SEMESTER WISE BREAKUP For BS-4 Years Program in BBA

### First Year

#### SEMESTER-1

COURSE TITLE	CREDIT HOURS
English-I	3+0
Introduction to Computer Applications	3+0
Pakistan Studies	2+0
Islamic Studies/Ethics	2+0
Microeconomics	3+0
Business Mathematics	3+0
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

#### SEMESTER-2

COURSE TITLE	CREDIT HOURS
English-II	3+0
Macro Economics	3+0
Introduction to Management	3+0
Business Statistics	3+0
Financial Accounting-I	3+0
Human Behavior	3+0
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

### Second Year

#### SEMESTER-3

COURSE TITLE	CREDIT HOURS
Financial Accounting-II	3+0
Laws of Business and Taxations	3+0
Introduction to HRM	3+0
Pakistan Economy	3+0
Oral Communication	3+0
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-4

COURSE TITLE	CREDIT HOURS
Principles of Marketing	3+0
Statistical Inferences	3+0
Money and Banking	3+0
Principles of Business Finance	3+0
Business Communication	3+0
<b>TOTAL CREDIT HOURS</b>	<b>15</b>



## SEMESTER WISE BREAKUP For BS-4 Years Program in BBA

### Third Year

#### SEMESTER-5

COURSE TITLE	CREDIT HOURS
Marketing Management	3+0
Business Ethics	3+0
Financial Management	3+0
Decision Theory and Analysis	3+0
Managerial Economics	3+0
Elective-I	3+0
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

#### SEMESTER-6

COURSE TITLE	CREDIT HOURS
Financial Institutions and Markets	3+0
Costs & Management Accounting	3+0
Organizational Behavior	3+0
Auditing	3+0
Business Internship (Evaluation and Viva Voce)	3+0
Elective-II	3+0
<b>TOTAL CREDIT HOURS</b>	<b>18</b>

### Fourth Year

#### SEMESTER-7

COURSE TITLE	CREDIT HOURS
Operational Management	3+0
Business Research Methods	3+0
Business Policy	3+0
Entrepreneurship	3+0
Elective-III	3+0
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

#### SEMESTER-8

COURSE TITLE	CREDIT HOURS
Project Management	3+0
Management Information System	3+0
Comprehensive Examination Viva Voce	0
Elective-IV	3+0
Thesis	6+0
<b>TOTAL CREDIT HOURS</b>	<b>15</b>



## General Department

### Faculty

Sr. No.	Name	Designation	Subject	Email
1.	Dr. M. Roshan Siddiqui	Chairman / Associate Professor	Islamic Culture	dr.roshan.siddiqui@gcu.edu.pk
2.	Mr. Dodo Khan Alias Khalid	Assistant Professor	Statistics	alias.khalid@gcu.edu.pk
3.	Dr. Abdul Razzak Larik	Assistant Professor	Political Science	razaq.larik@gcu.edu.pk
4.	Mr. M.Ibrahim Junejo	Assistant Professor	Geography	m.ibrahim.junejo@gcu.edu.pk
5.	Mr. Shafique Ahmed Shahani	Assistant Professor	Sindhi	shafique.ahmed@gcu.edu.pk
6.	Mr. Hafeez ur Rehman	Lecturer	Islamic Studies	hafeezurrehman@gcu.edu.pk
7.	Dr. Adnan Malik	Lecturer	Muslim History	dradnan.malik@gcu.edu.pk
8.	Mr. Shahnawaz Mangi	Lecturer	Pakistan Studies	shahnawaz.mangi@gcu.edu.pk
9.	Mr. Jamshed Ali Shah	Lecturer	Pakistan Studies	jamshedali.shah@gcu.edu.pk
10.	Mr. Abdul Qudoos Hassan Rashid	Lecturer	Urdu	abdul.qudoos@gcu.edu.pk







# Students Facilities

G.C. UNIVERSITY HYDERABAD  
PROSPECTUS 2022



The University deems obligatory to look after the welfare of the students admitted to its various programs. All efforts are made to facilitate the student stay at the campus and provide opportunity for wholesome development of students personalities. Director students' affair is available for necessary guidance.

## Medical Facilities

Emergency Medical facilities are available and General Hospital Paretabad is at the walking distance.

## Library Facility

The University has well stocked text and reference library named Dewan Mool Chand Library, comprising around 30,000 books including reference and text books and rare manuscripts. There is a large study area within the library where students are able to study in undisturbed setting.

## Masjid

There is Beautiful Jama Masjid namely Masjid-e-Saeeda Farooqui available in the Campus, where five times Prayers are being offered.

## Internet Facility

Internet facility is also available in all departments

## Sports Facility

Cricket Stadium, Table Tennis Hall, Badminton Hall, Basket Ball Court, Tennis Court, Futsal Court, Volley Ball Court & Athletics Facilities.

## English Language Development Club (ELDC)

To support and guide those students whose first language is not English, ELDC offers classes free of cost through A-V Aids.



## Students Financial Aid Office

Scholarship are available for deserving and needy students under:

HEC Ehsaas  
Undergraduate  
Scholarship  
Program

Sindh HEC  
Merit Scholarship

Pakistan Bait-ul-  
Maal  
Scholarship

Merit Based  
University  
Scholarship

Alumni Association  
Scholarship



### Ehsaas Scholarship Cheque distribution Ceremony



### MOU Signing Ceremony between Pakistan Bait-ul-Maal and GC University Hyderabad



## Academic Activities during COVID-19 Pandemic

In 2021 the World experience the 2nd year of COVID-19 pandemic and the university has to be closed time and again in the year during the academic sessions. To avoid the spread of Corona Virus the University was functionalised according to the guideline of NCOC and the strict instructions by the Government of Sindh, the Academics was shifted on **Hybrid form of Teacher Learning Process**. The online system of teaching is managed by Management Information System (M.I.S) and ICPC of GC University Hyderabad.







## Office of the Research and Commercialization (ORIC)

Higher education commission of Pakistan (HEC) has taken step to develop futuristic approach among students and faculty members. As the universities becoming globally attached the concept of technology transfer getting easier. In order to achieve the goals of Pakistan economic policies, it is important for our higher education institutions to create innovative and motivated breed of Pakistan's new generation, who can follow and govern the future trends in business and industries.

The ORIC bears the responsibility to enhance university research and innovation programs and develop the skill of research toward commercialization.

## Responsibilities/Functionary of ORIC

1. To Provide Umbrella and work closely with researcher/student, management of GCU Hyderabad.
2. To develop it mechanism for research commercialization and will establish a business/ Technology incubator to work closely for innovation and entrepreneurship.
3. To provide policy of research and innovation to the GCU Hyderabad.
4. To become a interface between faculty and commercial sector.
5. To provide information about various research grants to the faculty and students.
6. To develop science and technology park in GCU Hyderabad.

### Objectives of ORIC office.

To grow research and economic development of the country by improving industry competitiveness using University innovation.

## QEC (Introduction)

Quality Assurance is the cognisant, organized and regular review process of an institution.

The Higher Education Commission (HEC) has recommended the establishment of Quality Enhancement Cells (QECs) in all universities and DAIs of higher education with the Primary Objective "QEC is to enhance the quality of our Academic Programmes and also inculcate Quality Culture through adoption and implementation of Self-Assessment Procedures as per QA Manual of HEC.

The establishment of Quality Enhancement Cell (QEC) is an ongoing systematic progression consequently Government College University, Hyderabad (GCUH) incorporated in this procedure. The establishment of Quality Enhancement Cell (GCUH) initiated on the establishment of the University in the month of the month of June 2019..

### VISION

To ensure the Government College University, Hyderabad as Quality service provider University through attaining quality Standard for higher education.

### MISSION

To develop viable and sustainable mechanism of quality enhancement of the academic programs as well as efficient administration of all internal process while focusing on continuous professional development, applied and realistic learning and modernization so that every stakeholder could play valuable role in nation building and become innovative leaders.

### QEC (GCUH) RESPONSIBILITIES

- Approval of new programs in consultation with university bodies/departments.
- Enhance communication and interpersonal skills of students.
- Departmental review (Self Assessments).
- Students' feedback.
- Employer feedback.
- Quality assurance of degree programs.
- Subject review





## Sample Test Paper for Bachelors Programs, 2022

### General Instructions

**Note:** GC University Hyderabad will not apply negative marking in multiple choice questions test paper for admission to Bachelors degree programs from the academic year 2021. You must have to secure minimum passing marks (40%) to pass the test. Otherwise you will not be eligible for admission.

**Important:** You are not allowed to use any device during test hours, which could assist you in calculating e.g calculator tables or mobile phones etc.

### Personal Information on Answer Sheet

The answer sheet contains personal data of candidate on the top of the sheet. It has candidates' name, father name, roll number and photograph. The candidate is required to critically check these fields and sign in the required space. If any field of personal information is found in-correct the candidate must inform the invigilator present around.

- Reporting time at test centre as specified on roll number slip.
- No candidate will be admitted in the test centre after specified time.
- Candidates will have to produce their roll number slips at the entry point of the test centre.
- Without the roll number slip no candidate will be entertained for the test.

### Composition of Test

- Question booklets will be in five different shuffles.
- Each question booklet will be sealed and opened by the candidates at the start of test.
- Do not break the seal till the test starts.
- No candidate will be allowed to leave the seat during the test except for an un-avoidable reason e.g. toilet usage, that to in the escort of an invigilator.
- All papers will be collected at the end of test and no candidate will be allowed to move from the seat till the final count after the collection of the paper.
- Do not bring calculators, mobile phones and wrist watches with calculator in the test center.

### About Shading / Filling The Circle

- Shading / filling of two answers against single question is wrong. It will be marked ZERO.
- Over writing and cutting near answer circle or anywhere on answer sheet will distract the readability and may be marked ZERO in the specific answer circle.
- Only use Blue or Black Ball pen to shade / fill the circles.
- Do not bring any other stationary item including rough / extra sheets as two blank sheets for rough work are placed inside the question booklet.
- Use of any other material that is not provided by NTS™ will be illegal and subject to disciplinary action.
- Do not write anything on question booklet except your NAME, ROLL NUMBER. and SIGN on the front title of question booklet before attempting the questions.
- The questions booklet will be taken back after the test is over, so do not attempt to tear or remove any page from question booklet. No one is allowed to keep any part of it.
- Do not ask the invigilation staff about the content of questions. They are not allowed to explain or correct any question in the paper. The checking system has the capability to determine the erroneous questions and adjust accordingly.
- Every candidate is required to sign the attendance sheet, brought to her / him by the invigilators. The roll number slips will also be collected by the same staff after the attendance is completed.
- You are bound to NTS™ discipline rules till you leave the test center premises.
- Any disturbance in any way caused by you will disqualify you from the test and NTS™ reserves the rights to carry out legal action against such attempt.

The chief supervisor has complete authority to cancel any paper at any stage if the activities of the candidate are found against the discipline.





**SAMPLE TEST QUESTIONS FOR  
BACHELORS PROGRAMS CANDIDATES**

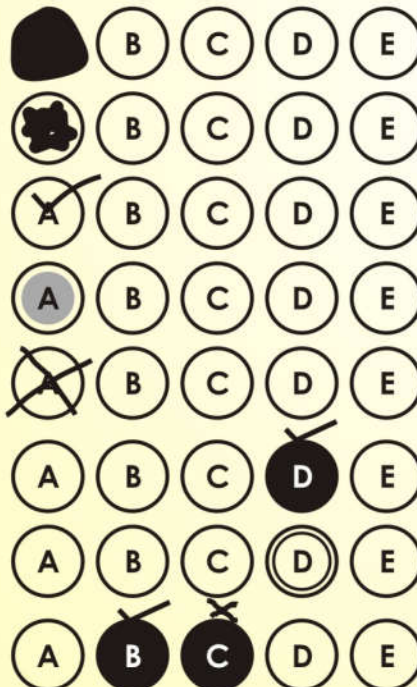
**How to Fill the Answer Sheet**

One page printed answer sheet is provided to answer the questions. Use only ball pen (black / blue) to shade / fill the circles. (bring pen / clip board with you, erasing materials are not allowed.) Answer sheet contains five circles containing five options of answer for one question, containing alphabets from A to E inside, against each question number. The candidate has to completely shade / fill one circle that he / she thinks is correct. For example the candidate feels that the correct answer of the given question is 'A', then he / she may shade / fill the circle containing alphabet 'A' with ball pen like this:

**Correct Filling**



**Incorrect Fillings**



**ENGLISH**

**1-Write down the synonym of Bachelor**

- |            |              |
|------------|--------------|
| a. Married | b. Divorced  |
| c. Single  | d. Education |

**2-Identify the underlined words (option given below)**

He is more intelligent than Ali

- |           |              |
|-----------|--------------|
| a. Adverb | b. Verb      |
| c. Noun   | d. Adjective |

**3- He will reach on time**

- |                |                |
|----------------|----------------|
| a. Adverb      | b. Preposition |
| c. Conjunction | d. Verb        |

**MATHEMATICS**

**1- If a fruit seller buys bananas at Rs. 16 per dozen and sells at Rs. 20 per dozen, he earns the profit at**

- |        |        |
|--------|--------|
| a) 4%  | b) 20% |
| c) 25% | d) 50% |

**2-Look at this series: F2, D8, C16, B32,... What number should fill the blank?**

- |        |       |
|--------|-------|
| a) A16 | b) G4 |
| c) E3  | d) E4 |

**3-Look at this series: 8, 22, 8, 28, 8,... What number should fill the blank?**

- |       |       |
|-------|-------|
| a) 9  | b) 29 |
| c) 32 | d) 34 |

**PAKISTAN STUDIES**

**1 When 1st constitution of Pakistan was passed?**

- |         |         |
|---------|---------|
| a) 1973 | b) 1962 |
| c) 1956 | d) 1948 |

**2- When all India Muslim League was established?**

- |         |         |
|---------|---------|
| a) 1906 | b) 1908 |
| c) 1910 | d) 1912 |

**3-What is the name of operation by Pak Army at North Waziristan?**

- |                          |                          |
|--------------------------|--------------------------|
| a) Operation Rah-e-Haq   | b) Operation Rah-e-Rast  |
| c) Operation Zarb-e-Azab | d) Operation Rah-e-Najat |

**ISLAMIC STUDIES**

**1 The largest surah of Quran is**

- |              |             |
|--------------|-------------|
| a) Yasin     | b) Al Baqra |
| c) Al Rehman | d) Yousaf   |

**2- Prophet Muhammad (PBUH) lived in Madina for \_\_\_\_\_ years.**

- |       |       |
|-------|-------|
| a) 8  | b) 9  |
| c) 10 | d) 11 |

**3-In Hajj, stoning the Devil, is called \_\_\_\_\_**

- |            |          |
|------------|----------|
| a) Istilam | b) Sayee |
| c) Ramee   | d) Tawaf |





## GOVERNMENT COLLEGE UNIVERSITY, HYDERABAD



### OMR / ANSWER SHEET

#### CHEMISTRY

1. What is the hybridization of B in  $3\text{BF}_3$ ?

- A.  $\text{sp}^2$  B.  $3\text{sp}$  C.  $\text{sp}^d$  D.  $2\text{sp}$

2. A solution of metal ions is treated with hydrochloric acid and  $\text{H}_2\text{S}$ , and no precipitate forms. When the solution is made basic, there is still no precipitate formation. When carbonate ions are added to the basic solution, a precipitate forms. Which type of ion could be present in the solution?

- A.  $\text{Ni}^{2+}/\text{Co}^{2+}/\text{Mn}^{2+}/\text{Zn}^{2+}$  B.  $\text{Ba}^{2+}/\text{Ca}^{2+}/\text{Mg}^{2+}/\text{Sr}^{2+}$   
C.  $\text{Cd}^{2+}/\text{Cu}^{2+}/\text{Hg}^{2+}$  D.  $\text{Cr}^{3+}/\text{Al}^{3+}/\text{Fe}^{3+}$

3. In neutralization:

- A. the base is neutralized B. the acid is neutralized  
C. a salt is formed D. All of the above

#### PHYSICS

1- Which of the following is a scalar quantity

- (a) Density (b) Displacement  
(c) Torque (d) Weight

2. Which of the following is the only vector quantity:

- (a) Temperature (b) Energy (c) Power (d) Momentum

3. Which of the following lists of physical quantities consists only of vectors:

- (a) Time, temperature, velocity (b) Force, volume, momentum  
(c) Velocity, acceleration, mass (d) Force, acceleration, velocity

#### BIOLOGY

1-Rod shaped bacteria are known as

- A. Cocci B. Bacilli C. Spirilla D. None of the above

2-Cork-screw shaped bacteria are known as

- A. Cocci B. Bacilli C. Spirilla D. None of the above

3. In many bacteria the cell wall is enclosed within a smile capsule made up of

- A. Polysaccharide B. Cellulose  
C. Amino acids D. Protein

#### COMPUTER SCIENCE

Q. 1 Resolution of VGA is:

- a)  $640 \times 480$  b)  $320 \times 420$  c)  $320 \times 240$  d)  $640 \times 840$

Q. 2 The idempotent law states that for two variables x and y

- a)  $x+x, y=y$  and  $x.(x+y)=x$  b)  $x=x$   
c)  $-x.x=x$  and  $x+x=x$  d) None of these

Q.3 When were general-purpose analog computers first built in?

- a) 1930s b) 1940s c) 1950s d) 1960s

ROLL NO.										TEST ID		Name _____	
1												Father's Name _____	
2												Surname _____	
3												Contact _____	
4												Test Date _____	
5												GROUP <input type="checkbox"/> Pre Medical <input type="checkbox"/> Pre Engineering	
6												<input type="checkbox"/> Arts <input type="checkbox"/> Gen. Science	
7													
8													
9													
0													

Candidate Signature										How to Fill the Answer Sheet									
										One page printed answer sheet is provided to answer the questions. Use only ball pen (black / blue) to shade / fill the circles. (bring pen / clip board with you, erasing materials are not allowed.) Answer sheet contains five circles containing five options of answer for one question, containing alphabets from A to E inside, against each question number. The candidate has to completely shade / fill one circle that he / she thinks is correct. For example the candidate feels that the correct answer of the given question is 'A', then he / she may shade / fill the circle containing alphabet 'A' with ball pen like this:									
										Correct Method					Incorrect Method				

A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
1					11					21					31					41				
2					12					22					32					42				
3					13					23					33					43				
4					14					24					34					44				
5					15					25					35					45				
6					16					26					36					46				
7					17					27					37					47				
8					18					28					38					48				
9					19					29					39					49				
10					20					30					40					50				



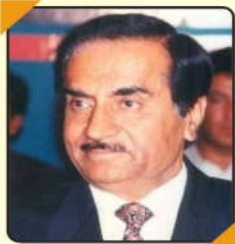


# Eminent Alumni

G.C. UNIVERSITY HYDERABAD  
PROSPECTUS 2022



**Raja Pervez Ashraf**  
Ex-Prime Minister  
of Pakistan



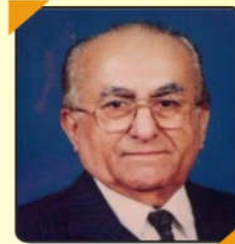
**Syed Abdullah Shah**  
Ex-Chief Minister  
of Sindh



**Ishrat Hussain**  
Ex-Governor  
State Bank of Pakistan



**Mazhar ul Haque Siddiqui**  
Ex-Vice Chancellor  
University of Sindh



**Ghulam Ali Allana**  
Ex-Vice Chancellor  
University of Sindh



**Abdul Hameed Sindhi**  
Ex-Vice Chancellor  
SAL Khairpur University



**Prof. Dr. Syed Zafar Hasnain Zaidi**  
Ex-Vice Chancellor  
Karachi University



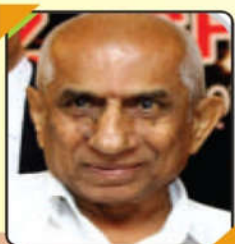
**Prof. Dr. Abdul Qadeer K. Rajput**  
Ex-Vice Chancellor  
MUET, Jamshoro



**Prof. Dr. Asadullah Kazi**  
Chancellor  
Isra University, Hyd.



**Prof. Dr. Jan Muhammad Memon**  
Founder Vice Chancellor  
LUMHS, Jamshoro



**Prof. Dr. Abdul Rehman Memon**  
Ex-Vice Chancellor  
MUET, Jamshoro



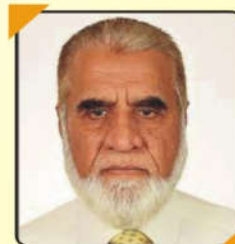
**Prof. Dr. Abdul Qadir Ansari**  
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Agriculture University T.Jam



**Prof. Dr. Nasiruddin Shaikh**  
Former Acting Vice Chancellor  
G.C. University, Hyderabad



**Prof. Dr. S.M. Qureshi**  
Ex-Vice Chancellor  
MUET, Jamshoro



**Prof. Dr. M. Iqbal Bhangar**  
Former Director NCEAC  
Sindh University, Jamshoro



# Eminent Alumni

G.C. UNIVERSITY HYDERABAD  
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**Dr. Fazalullah Qureshi**  
Former Chief Economist Pakistan  
Former Chief Economics Sindh



**Prof. Dr. M. Zubair Khan**  
Institute of Space  
Technology Islamabad



**Kazi Asad Abid**  
Politician & Journalist



**Muhammad Suhail Rajput**  
Principal Secretary  
to C.M. Sindh



**Prof. M. Idris Khan**  
Renowned Educationist



**Prof. Jameel A. Khanzada**  
Renowned Educationist



**Prof. M. Umar Mangrio**  
Renowned Educationist



**Prof. M. Saleem Mughal**  
Educationist



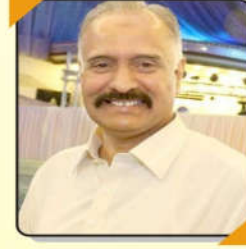
**Ghulam Nabi Morai**  
Renowned Journalist



**Zahid Hussain Chihpa**  
Renowned I.T. Expert  
Islam 360



**Rana Irfan**  
President  
Alumni Association



**Abdul Rehman Rajput**  
Ex-MPA, Sindh & President  
Elect. Alumni Association



**Prof. Syed Najaf Raza**  
General Secretary  
Alumni Association



**Muhammad Afzal Gujjar**  
Ex President  
Alumni Association



**Zahid Bhurguri**  
Ex-MPA, Sindh





# Pre Entry Test 2021

BS 4-Years Bachelor Degree Program







# Pre Entry Test 2021

BS 4-Years Bachelor Degree Program





# Orientation 2021





## 7 Emerging Technologies Disrupting our future & Career Planning

Department of computer sciences GC University Hyderabad organized a full day event regarding 7 emerging technologies and career planning on 02-04-2021 in collaboration with IdeaGIST USA. The resource person of the training session was Mr. Hassan Syed, founder of IdeaGist and CEO at Birventures. The students of all departments of GC University Hyderabad actively attended the training session. Certification of this event will be offered by IdeaGIST USA.





## **Two Days International Seminar (Hybrid)** **Reflection of COVID-19 and Way Forward (April 9 - 10, 2021)**

Two days International Seminar (Hybrid) was organized titled "Reflection of COVID-19 and way forward" on 9-10 April 2021. Theme of the seminar was Technology, innovation and socio-economic activities. It was a multi-disciplinary seminar covering a vast area of science and Technology and economics. Experts from various fields of life and also from different countries were invited as speakers (online as well as offline) in the seminar. Prof Dr. Muhammad Iqbal Chaudhry Coordinator General OIC-COMSTEC Islamabad was the chief guest and Prof. Dr. Masood Hameed former vice chancellor DOW University Karachi and Prof. Dr. Bikha Ram vice chancellor Liaquat University of medical and health sciences Jamshoro were the Guest of honour in the inauguration ceremony. There were total of fifteen speakers. Out of which eight speakers physically presented their research and achievements.

Prof. Dr. Muhammad Iqbal Chaudhry, (Director General OIC COMSAT Islamabad), Prof. Dr. Masood Hameed (Former Vice Chancellor DOW University of Health sciences Karachi), Prof. Dr. Muhammad Iqbal Bhangar (HEJ institute of Chemistry Karachi), Prof. Dr. Tufail Hussain Sherazi (NCEAC University of Sindh Jamshoro), Prof. Dr. Zeeshan Khatri (Mehran University of Engineering and Technology, Jamshoro), Prof. Dr. Bushra Khurram (University of Karachi), Dr. Ishtiaq Ahmed (ICCBS, Karachi), Dr. Lala Jaffar Khan (District Health Officer, Hyderabad).

Seven speakers delivered their lecture online including: Prof. Dr. Hussain Kara (Selcul university Koniya Turkey), Prof. Dr. Waseem Jafri (Agha Khan University Hospital Karachi), Prof. Dr. Muhammad Waqar Ashraf (PMU university Saudi Arabia), Prof. Dr. Zeeshan Danish (Punjab University), Dr. Ati-atul Wahab (ICCBS Karachi), Dr. Saba Farooque (ICCBS Karachi), Mr. Mansoor Naqvi (CEO & President MBE Group of Companies Canada).





## Two Days International Seminar (Hybrid) Reflection of COVID-19 and Way Forward



01





## HEC Sindh organizing a Capacity Enhancement Program (CEP) for IT related staff of Public Sector Universities in Sindh

### Capacity Enhancement Program (CEP) for I.T Related and supporting staff of Public Sector Universities 22-3-2021 to 16-4-2021

Sindh Higher education commission awarded GC University Hyderabad a twenty days Capacity Enhancement Program from 22-03-2021 to 16-04-2021 for IT-related staff of Public Sector Universities of Sindh. Department of Computer Science GC University Hyderabad organized this Capacity Enhancement Program from 22-03-2021 to 16-04-2021. The nominated staff of Sindh Agriculture University Tando Jam, University of Sufism and Modern sciences Bhit Shah and GC University Hyderabad participated in this three-week long training program. Faculty members of the department of computer sciences GC University Hyderabad served as a resource person in their specific field of information technology.





# Office Management Skills (OMS) Training Program

## Organized by Sindh HEC

Sindh HEC (20 days) Training program under Office Managements Skills (OMS) organized for Administrative Staff of Public Sector Universities conducted in June, 2021 by GC University Hyderabad in collaboration with Sindh HEC, Government of Sindh. The participants from University of Sindh Jamshoro, Sindh Agriculture University Tando Jam, Sufi University Bhit Shah and GC University Hyderabad participated in training program.





## Two Days Workshop on Quality Assurance at University Level Organized by: QEC G.C. University Hyderabad

Workshop on Quality Assurance at University Level held on 25th and 26th June 2021 under the Quality Enhancement Cell Training programs series, GC University Hyderabad. Three facilitators were invited from different institutes. In first session, Prof. Dr. Abdul Razzak Mahar, Director Quality Enhancement Cell, Textile Institute of Pakistan highlighted the Purpose of QEC & Vision, Mission, Objectives & Outcomes with relation to Self-Assessment Report (SAR) Process. In second session Prof. Dr Bashir Ahmed, Principal Bahria Business School Karachi delivered talk on developing Mission, Vision and Objectives of HEIs. In last session, Prof. Dr. Farooq-e-Azam Cheema, Dean Faculty of Management and Social Sciences, Bahria University Islamabad discussed the working mechanism of QECs in HEIs.





## I.T Competition among universities students at Hyderabad Institute of Arts, Science, and Technology (HiAST)

Faculty members and students of the department of computer sciences GC University Hyderabad actively participated in a Software exhibition at Hyderabad Institute of Arts, Science, and Technology (HiAST) on 11-04-2021. The students of GC University Hyderabad secured 2nd position in LOGO designing software.





## Inter-University Volleyball Championship (Zone-H) In collaboration of HEC Islamabad





## Inter-University Volleyball Championship (Zone-H) In collaboration of HEC Islamabad







## University Point Buses







## **Prospectus Committee**

**Prof. Dr. Syed Iqleem Haider Taqvi (Convener)**  
(Director Admissions)

**Dr. Altaf Ahmed Simair (Member)**  
(Controller Examination)

**Mr. Shakeel Ahmed Memon (Member)**  
(Registrar)

**Mr. Muhammad Idrees Shar (Member)**  
(Deputy Director Admissions)

**Dr. Abdul Razaque Larik (Member)**

**Mr. Masood Ahmed Siddiqui (Member)**

**Layout & Graphics by:**

**Mr. Muhammad Farhan Rajput**

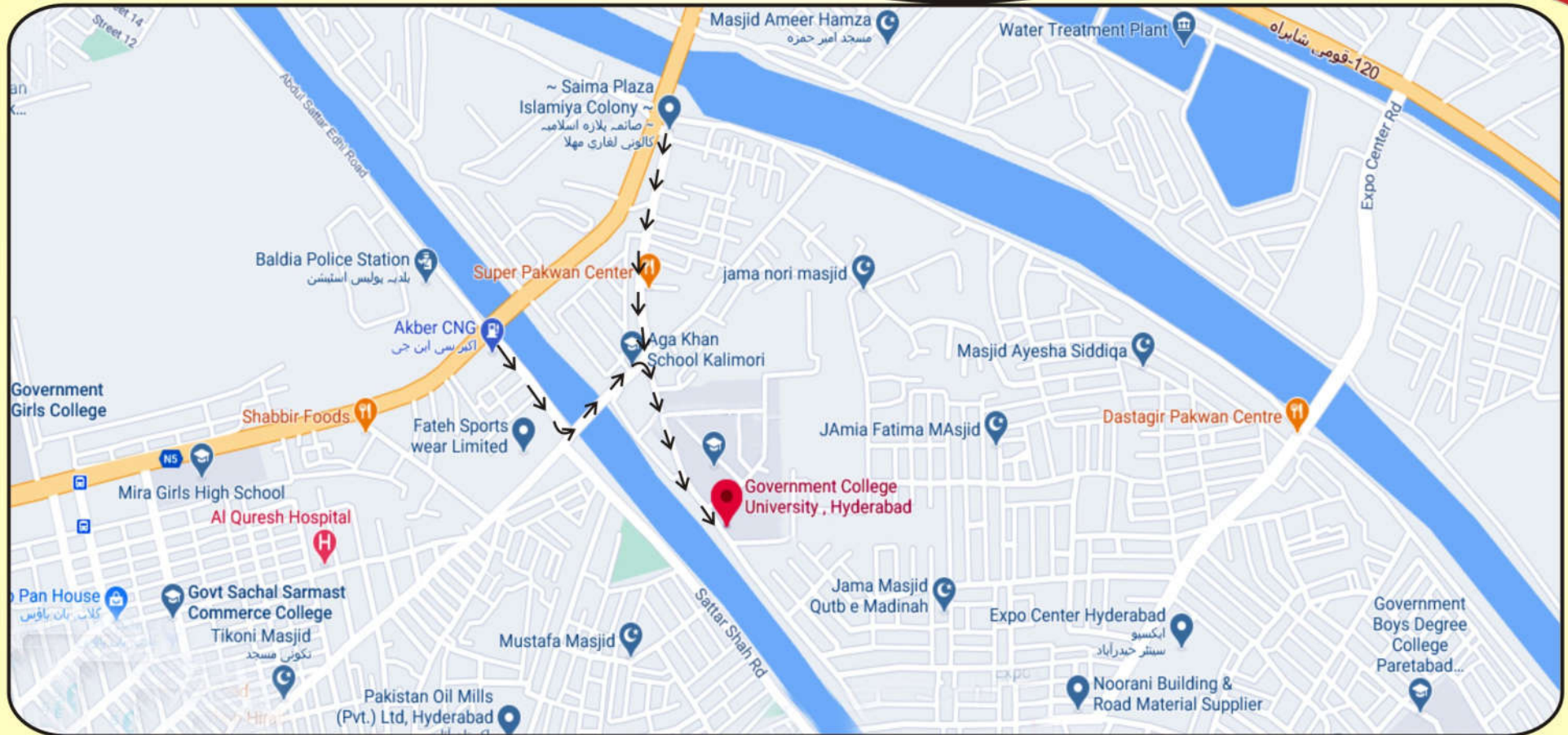
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# GOVERNMENT COLLEGE UNIVERSITY HYDERABAD



## Directorate of Admissions

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