



# COMSATS University Islamabad

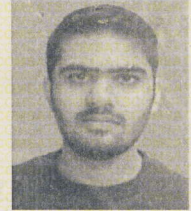
## TRANSCRIPT

0077174

Date: 15-Mar-2021

Certified that **GOHAR MUZAMMIL** s/o **ANJUM SOHAIL** Registration No. **CIIT/SP17-BCS-110/LHR** Department of **Computer Science** has completed and passed all the requisite courses / examinations for the degree of **Bachelor of Science in Computer Science**, on **25th January 2021**, taught as a **Regular Mode** of study from **Lahore Campus**.


Date of Birth : 14-Jan-1998



The details of the courses passed are as follows:

Course Code	Semester / Course Title	Cr.	LG	CP	Course Code	Semester / Course Title	Cr.	LG	CP
<b>Spring 2017</b>					<b>Spring 2019</b>				
CSC101	Introduction to ICT	3	A	12.0	CSC301	Design and Analysis of Algorithms	3	A-	11.1
CSC103	Programming Fundamentals	4	A	16.0	CSC312	Theory of Automata	3	A	12.0
HUM100	English Comprehension and Composition	3	B	9.0	CSC322	Operating Systems	3	A	12.0
MTH104	Calculus and Analytic Geometry	3	B+	9.9	CSC353	Computer Graphics	3	A-	11.1
PHY121	Applied Physics for Engineers	4	A-	14.8	CSC371	Database Systems I	4	B+	13.2
<b>Fall 2017</b>					<b>Fall 2019</b>				
CSC102	Discrete Structures	3	A-	11.1	CSC321	Microprocessor and Assembly Language	3	B+	9.9
CSC110	Professional Practices for IT	3	A	12.0	CSC336	Web Technologies	3	B+	9.9
CSC241	Object Oriented Programming	4	A-	14.8	CSC339	Data Communications and Computer Networks	3	B+	9.9
HUM110	Islamic Studies	3	A	12.0	CSC354	Machine Learning	3	B+	9.9
MTH105	Multivariable Calculus	3	A-	11.1	CSC461	Introduction to Data Science	3	A	12.0
PHY120	Electricity, Magnetism and Optics	4	A	16.0	CSC475	Numerical Computing	3	A-	11.1
<b>Spring 2018</b>					<b>Spring 2020</b>				
CSC211	Data Structures and Algorithms	4	A-	14.8	CSC331	Digital Image Processing	3	B+	9.9
EEE241	Digital Logic Design	4	A	16.0	CSC356	Human Computer Interaction	3	B	9.0
HUM102	Report Writing Skills	3	B+	9.9	CSC441	Compiler Construction	3	C+	6.9
MTH231	Linear Algebra	3	A	12.0	CSC462	Artificial Intelligence	3	C+	6.9
PHY229	Modern Physics	4	B-	10.8	CSC495	Game Development	3	B	9.0
<b>Fall 2018</b>					<b>Fall 2020</b>				
CSC291	Software Engineering Concepts	3	B+	9.9	CSC499	Senior Design Project II	4	A-	14.8
EEE440	Computer Architecture	3	B-	8.1	HUM111	Pakistan Studies	3	A-	11.1
HUM103	Communication Skills	3	B+	9.9	MGT101	Introduction to Management	3	B	9.0
MTH242	Differential Equations	3	A	12.0	MGT131	Financial Accounting	3	A-	11.1
MTH262	Statistics and Probability Theory	3	A	12.0					

Total Credit Hours Registered: **134**  
 \* Discounted Credit Hours: **0**  
 Net Credit Hours Passed: **134**  
 Total CP: **471.9**  
 CGPA: **3.52**

  
 Controller of Examinations

Errors/Omissions Excepted

(Please Turn Over)



## EXPLANATORY NOTES

1. The following explanations are to assist the reader with the interpretation of the transcript.
2. The Academic year normally comprises two regular semesters i.e. (16 weeks each) and summer session (8 weeks).
3. English is the medium of instruction.

4. **Legend**

Cr.	Credit of Courses
GP	Grade Point
L.G.	Letter Grade
CGPA	Cumulative Grade Point Average
NC	Non Credit
WD	Withdrawal
*IP	In Progress
	*Awarded in the first semester performance of the student with



5. **Credit Value Definition**

A course of one credit represents one hour of lecture.

6. **Discounted Credit Hours**

In case of course is repeated due to failure or improvement, its credit hours are counted only once, hence the term "discounted credit hours".

7. **Marks**

- a. Each course carries 100 marks of which 50% are reserved for sessionals, quizzes, assignments, practicals & 50% marks for the terminal examinations.
- b. Minimum pass marks in each course are 50%.

8. **Grading System**

(Marks %)	(Letter Grade)	(Grade Points)
90 & Above	A (Superior / Excellent)	4.0
85 – 89	A-	3.7
80 – 84	B+	3.3
75 – 79	B (Above Average / Good)	3.0
70 – 74	B-	2.7
65 – 69	C+	2.3
60 – 64	C (Competent Average)	2.0
55 – 59	C-	1.7
50 – 54	D (Minimum Passing)	1.3
Less than 50	F (Fail)	0.0

**Note:** This Transcript is issued without alteration or erasure.

Prepared By: \_\_\_\_\_

Checked By: \_\_\_\_\_

**Contact Address:**

COMSATS University Islamabad,  
Park Road, Tarlai Kalan, Islamabad.  
Ph: +92-51-9247000-3  
<http://www.comsats.edu.pk>