Serial No: 079424

Registration No: CIIT/FA16-BCS-012/LHR

COMSATS University Islamabad

USAMA TAHIR s/o MIRZA TAHIR MEHMOOD

Of

Lahore Campus

has been conferred upon the degree of

Bachelor of Science in Computer Science

Given on this ___Eighth___ day of ___October___ two thousand and ___Twenty___ at Islamabad

Date of Issuance: 8th October 2020

_____
Controller of Examinations

_____
Rector

_____
Registrar

Prepared By: ....

Note: This degree is issued without alteration or erasure.

Checked By: ....

ATTESTED

Rs.1000

HIGHER EDUCATION COMMISSION
PAKISTAN

24054476

COMSATS University Islamabad

TRANSCRIPT

0073540

Date: **08-Oct-2020**

Certified that **USAMA TAHIR** s/o **MIRZA TAHIR MEHMOOD** Registration No. **CIIT/FA16-BCS-012/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 **2nd September 2020** , taught as a **Regular Mode** of study from **Lahore Campus.**
Date of Birth : **04-Jul-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
	Fall 2016					**Fall 2018**			
CSD100	Fundamentals of Computer Programming	4	B-	10.8	CSD300	Operating Systems Concepts	3	A-	11.1
CSD102	Introduction to Information and Communication Technologies	4	B	12.0	CSD301	Computer Communication and Networks	4	C+	9.2
EEE119	Circuits and Electronics	4	C+	9.2	CSD302	Database Systems	4	B	12.0
HUM100	English Comprehension and Composition	3	A-	11.1	MTH262	Statistics and Probability Theory	3	B-	8.1
HUM110	Islamic Studies	3	A-	11.1	MTH375	Numerical Computations	3	B	9.0
	Spring 2017					**Spring 2019**			
CSD101	Discrete Structures	3	C+	6.9	CSD303	Professional Practices (IT)	3	A-	11.1
CSD200	Object Oriented Concepts and Programming	4	B	12.0	CSD304	Computer Graphics	4	A-	14.8
EEE241	Digital Logic Design	4	A-	14.8	CSD306	Automata Theory	3	B+	9.9
HUM103	Communication Skills	3	B+	9.9	CSD479	Data Mining	3	A-	11.1
HUM111	Pakistan Studies	3	B	9.0	MGT403	Entrepreneurship	3	A	12.0
MTH104	Calculus and Analytic Geometry	3	A-	11.1					
	Fall 2017					**Fall 2019**			
CSD202	Data Structures and Algorithms	4	B	12.0	CSD332	Network Security	3	B+	9.9
CSD203	Computer Organization and Assembly Language	4	B+	13.2	CSD400	Human Computer Interaction	4	C	8.0
HUM102	Report Writing Skills	3	A-	11.1	CSD402	Artificial Intelligence	4	C+	9.2
MGT101	Introduction to Management	3	C	6.0	CSD458	Compiler Design and Construction	4	A	16.0
MTH105	Multivariable Calculus	3	A-	11.1	CSD499 *	Project	2	IP	0.0
	Spring 2018					**Spring 2020**			
CSD201	Introduction to Software Engineering	3	B+	9.9	CSD315	Machine Learning	3	B-	8.1
CSD204	Computer System Architecture	3	B+	9.9	CSD499	Project	6	A-	22.2
CSD205	Design and Analysis of Algorithms	3	B+	9.9	HUM220	Introduction to Psychology	3	B+	9.9
MGT131	Financial Accounting	3	C+	6.9					
MTH231	Linear Algebra	3	C+	6.9					
MTH242	Differential Equations	3	B	9.0					

Total Credit Hours Registered:	135
* Discounted Credit Hours:	2
Net Credit Hours Passed:	133
Total CP:	415.4
CGPA:	3.12

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 (generally of split semester course) and/or subsequent semesters if the performance of the student was satisfactory. Has no grading and/or credit value for result calculation purpose.

5. **Credit Value Definition**

A course of one credit represents one hour of lecture / three hours laboratory work per week, per semester.

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.

Rs.1000

HIGHER EDUCATION COMMISSION
PAKISTAN

2405471

Prepared By: _____

Checked By: _____

Contact Address:

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