



0096498

COMSATS University Islamabad

TRANSCRIPTDate: 04-Sep-2023


Certified that **MUHAMMAD KALEEM ULLAH** s/o **MEHBOOB ALAM** Registration No. **CIIT/FA19-BCE-007/ATK** Department of **Electrical and Computer Engineering** has completed and passed all the requisite courses / examinations for the degree of **Bachelor of Science in Computer Engineering**, on **6th July 2023**, taught as a **Regular Mode** of study from **Attock Campus**.
Date of Birth : **31-Mar-2001**



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 2019					Fall 2021				
CPE121	Electric Circuits Analysis I	4	A-	14.8	CPE343	Computer Organization and Architecture	4	A-	16.0
HUM100	English Comprehension and Composition	3	A-	11.1	CSC322	Operating Systems	3	A-	11.1
HUM110	Islamic Studies	3	A	12.0	CSC371	Database Systems I	4	A-	16.0
MTH104	Calculus and Analytic Geometry	3	A	12.0	EEE351	Principles of Communication Systems	4	A	16.0
PHY121	Applied Physics for Engineers	4	A	16.0	HUM102	Report Writing Skills	3	A	12.0
Spring 2020					Spring 2022				
CPE241	Digital Logic Design	4	A	16.0	CPE314	Data Communication and Computer Networks	4	A-	14.8
CSC103	Programming Fundamentals	4	A	16.0	CPE324	Digital Signal Processing	4	B+	13.2
HUM111	Pakistan Studies	3	A-	11.1	CPE342	Microprocessor Systems and Interfacing	4	A-	14.8
MTH211	Discrete Mathematics	3	A-	11.1	CSC291	Software Engineering Concepts	3	B+	9.9
MTH231	Linear Algebra	3	A	12.0	HUM400	Business Communication	3	A	12.0
Fall 2020					Fall 2022				
CPE222	Electric Circuits Analysis II	4	A-	14.8	CPE325	Control Systems	4	A-	14.8
CSC211	Data Structures and Algorithms	4	A	16.0	CPE344	Digital System Design	4	A	16.0
ECO300	Engineering Economics	3	B+	9.9	CPE345	Embedded Systems Workshop	1	A	4.0
MTH242	Differential Equations	3	A	12.0	CPE490	Final Year Project (Part I)	1	A	4.0
MTH375	Numerical Computations	3	A	12.0	EEE464	Wireless Communication Systems	3	A-	11.1
Spring 2021					MGT462	Project Planning and Management	3	A-	11.1
CPE214	Computer-Aided Engineering Design	1	A	4.0	Spring 2023				
CPE223	Signals and Systems	4	B+	13.2	CPE415	Digital Image Processing	4	B	12.0
CPE231	Electronic Devices and Circuits	4	A	16.0	CPE461	Neural Networks	3	A	12.0
CPE251	Probability Methods in Engineering	3	A	12.0	CPE490	Final Year Project (Part II)	5	A	20.0
CSC241	Object Oriented Programming	4	A	16.0	MGT403	Entrepreneurship	3	B+	9.9
ENG101	Engineering Professionalism	3	A-	11.1					

Total Credit Hours Registered: 137
 * Discounted Credit Hours: 0
 Net Credit Hours Passed: 137
 Total CP: 519.8
 CGPA: 3.79


 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**

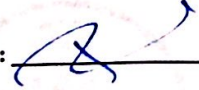
- a. Each course carries 100 marks of which 50% are reserved for sessionals, quizzes, assignments, practicals & 50% marks for the terminal examinations.
- b. Minimum pass marks in each course are 50%.

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.

Prepared By: 

Checked By: 

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