



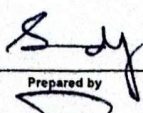
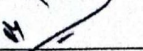
ACADEMIC TRANSCRIPT
Bachelor of Science in Computer Science

Student ID: bsf2101472
Name of Candidate: Hafsa Kanwal
Father's Name: Din Muhammad
Registration No: 21-UE-02580
Academic Session: Fall 2021-25
Result Notification Date: 11-Jul-2025

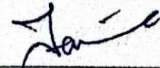
Date of Birth: 13-Jan-2003
Date of admission: 08-Nov-2021
Type of Enrollment: Open Merit
Shift: Morning
Mode of Study: Regular
Area of Specialization: List of University Electives

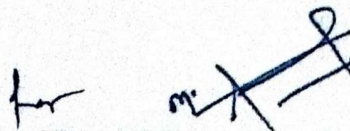


Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-I (Fall 2021)						
COMP1114	Introduction to Information Communication Technologies	4	100	73	3.15	B
EDUC3111	Foundations of Education	3	100	70	3	B
ENGL1114	Functional English	3	100	85	3.75	A
MATH1111	Calculus-I	3	100	88	3.9	A
PAKS1111	Pakistan Studies	2	100	83	3.65	A
PHYS1116	Applied Physics	3	100	62	2.6	C
Total Semester Marks		600	Obtained Semester Marks		461	Semester GPA
					3.31	% Marks
						77
Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-II (Spring 2022)						
COMP1112	Programming Fundamentals	4	100	84	3.7	A
ENGL1119	Communication Skills	3	100	78	3.4	B
ISLA1111	Islamic Studies	2	100	95	4	A+
MATH2113	Discrete Mathematics	3	100	80	3.5	A
PHYS4142	Digital Electronics and Logic Design	4	100	92	4	A+
STAT2111	Introduction to Statistics and Probability	3	100	75	3.25	B
Total Semester Marks		600	Obtained Semester Marks		504	Semester GPA
					3.64	% Marks
						84
Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-III (Fall 2022)						
COMP2111	Object Oriented Programming	4	100	74	3.2	D
COMP2112	Software Engineering	3	100	80	3.5	A
COMP3112	Computer Communications and Networks	4	100	75	3.25	B
EDUC1112	General Methods of Teaching	3	100	78	3.4	B
MATH2114	Elementary Linear Algebra	3	100	70	3	B
Total Semester Marks		600	Obtained Semester Marks		377	Semester GPA
					3.26	% Marks
						75
Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-IV (Spring 2023)						
COMP2114	Database Systems	4	100	73	3.15	B
COMP4118	Operating System Concepts	4	100	74	3.2	B
COMP4120	Data Structure and Analysis of Algorithms	4	100	57	2.35	D
EDUC2118	Curriculum Design and Instruction	3	100	90	4	A+
PSYC2112	Principles of Psychology	3	100	83	3.5	A
Total Semester Marks		600	Obtained Semester Marks		374	Semester GPA
					3.18	% Marks
						75

Prepared by 
Checked By: 




Asst. Deputy Director Examinations


Controller of Examinations

17 JUL 2025

Date of Issuance: _____

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UNIVERSITY OF EDUCATION, LAHORE

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Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-V (Fall 2023)						
COMP3124	Introduction to Machine Learning	3	100	78	3.3	B
COMP3137	Computer Organization and Assembly Language	4	100	91	4	A+
COMP3138	Design and Analysis of Algorithms	3	100	78	3.4	B
COMP3139	Parallel & Distributed Computing	3	100	80	3.5	A
ENG2115	Technical Writing and Presentation Skills	3	100	80	3.5	A
MATH3122	Multivariable Calculus	3	100	78	3.4	B
Total Semester Marks		600	Obtained Semester Marks	483	Semester GPA	3.54
					% Marks	81

Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-VI (Spring 2024)						
COMP3116	Data Mining	3	100	82	3.6	A
COMP3126	Artificial Neural Networks	3	100	75	3.25	B
COMP3140	Theory of Automata and Formal Languages	3	100	87	3.85	A
COMP3141	Information Security	3	100	90	4	A+
MATH3123	Differential Equations	3	100	64	2.7	C
Total Semester Marks		600	Obtained Semester Marks	398	Semester GPA	3.48
					% Marks	80

Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-VII (Fall 2024)						
COMP3131	Natural Language Processing	3	100	95	4	A+
COMP4113	Compiler Construction	3	100	95	4	A+
COMP4114	Artificial Intelligence	4	100	83	3.65	A
Total Semester Marks		300	Obtained Semester Marks	273	Semester GPA	3.86
					% Marks	91

Course Code	Courses Title	Credit Hours	Max Marks	Obt. Marks	Grade Point	Grade
Semester-VIII (Spring 2025)						
COMP3115	Introduction to Data Science	3	100	95	3.75	A
COMP4115	Final Year Project	6	200	161	3.55	A
ISLA1121	مقدمہ عربی لغت					P
ITEC4141	Professional Practices in IT	3	100	88	3.9	A
MATH4137	Numerical Computing	3	100	90	4	A+
Total Semester Marks		800	Obtained Semester Marks	424	Semester GPA	3.75
					% Marks	85

Maximum Marks	4100	Obtained Marks	3284	Percentage	80.34
Total Credit Hours	121	Cumulative Grade	B	Cumulative Grade point Average	3.48

All requirements of degree have been completed. This Transcript is valid when signed and stamped by the Controller of Examinations, University of Education, Lahore (Pakistan)

[Signature]
 Controller of Examinations

[Signature]
 Asst. Deputy Director Examinations

[Signature]
 Controller of Examinations

[Signature]
 Controller of Examinations