Name:	**Abdullah Ahmad**		ID:	**22971**
Roll No. :	**2023-10-0018**		Programme:	**Bachelor of Science - BS**
Mailing Address:	**137 - A**		Major:	**Computer Science**
	Askari # 5		Year Admitted:	**2019-20**
	Lahore Punjab		Year Graduated:	**2022-23**
Telephone:	**0923311419436**			

COURSE CODE	DESCRIPTION	CREDITS	GRADE		COURSE CODE	DESCRIPTION	CREDITS	GRADE

Fall Semester 2019-20

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
CHEM 101	Principles of Chemistry I	3	B+	
CS 100	Computational Problem Solving	3	A	
EE 100	Engineering Laboratory	1	A	
MATH 101	Calculus I	3	B	
PHY 101	Mechanics	4	B+	
SS 101	Islamic Studies	2	A-	

Spring Semester 2019-20

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
BIO 100	Biology Laboratory	1	B-	
BIO 101	Introductory Biology	3	B	
CHEM 100	Experimental Chemistry	1	B	
MATH 120	Linear Algebra with Differential Equations	3	B-	
PHY 100	Experimental Physics Lab I	2	B+	
PHY 104	Modern Physics	4	B-	
SS 100	Writing and Communication	4	A+	

Fall Semester 2020-21

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
CS 200	Introduction to Programming	4	B+	
CS 210	Discrete Mathematics	4	A	
CS 225	Fundamentals of Computer Systems	4	NC	
SS 102	Pakistan Studies: Culture and Heritage	2	B+	

Spring Semester 2020-21

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
CS 202	Data Structures	3	D	#
CS 315	Theory of Automata	3	C-	
CS 331	Introduction to Artificial Intelligence	3	C	
CS 382	Network-Centric Computing	3	D	
MATH 102	Calculus II	3	D	
MATH 230	Probability	3	B	

Fall Semester 2021-22

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
CS 202	Data Structures	3	A-	R
CS 310	Algorithms	3	B	
CS 370	Operating Systems	3	C+	
EDU 453	Politics of Education Reform	3	B	
LANG 129	Pashto I	4	A	
MGMT 481	Entrepreneurship	3	B+	

Spring Semester 2021-22

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
ANTH 286	Minorities in South Asia	4	A-	
CS 300	Advanced Programming	3	C	
CS 360	Software Engineering	3	B	
CS 432	Introduction to Data Mining	3	C+	
CS 473	Network Security	3	C-	
LAW 304	Advanced Topics in Chinese Law	4	C	

Fall Semester 2022-23

COURSE CODE	DESCRIPTION	CREDITS	GRADE	
CS 225	Fundamentals of Computer Systems	4	C-	
CS 340	Databases	3	B	
CS 491A	Senior Project	3	A	
CS 535	Machine Learning	3	C-	
GSL 102	Chinese Language for Beginners (HSK Level 1)	4	B	

Spring Semester 2022-23

COURSE CODE	DESCRIPTION	CREDITS	GRADE
CS 334	Principles and Techniques of Data Science	3	B
CS 491B	Senior Project	3	A
LANG 128	Sindhi for Non-Sindhi Speakers	4	B+
MKTG 201	Principles of Marketing	3	B
PHIL 225	Moral Philosophy	4	B

	CREDITS		
ATTEMPTED	139		
TAKEN TOWARDS GPA	132	CGPA	2.93
TRANSFERRED	0		
CREDITS GIVEN ON RE-ADMISSION	0		
SUCCESSFULLY COMPLETED	132		

		SCGPA
MAJOR	Computer Science	2.75

Completed the graduation requirements for Bachelor of Science - BS Programme, June-2023

End of Undergraduate Programme Transcript