PIR MEHR ALI SHAH
ARID AGRICULTURE UNIVERSITY RAWALPINDI
OFFICIAL TRANSCRIPT OF RECORD

Name	Hamza Waheed	Father's Name	Waheed Khan Abbasi
Regd. No.	20-ARID-324	Date of Birth	09-07-2001	Date of Joining the University	24-02-2020

Degree **Bachelor of Science (Computer Science)** Barani Institute of Management Sciences

Result notified vide No. **PMAS-AAUR/CE1004** Dated: 21/05/2024

Course No.	Title Of Course	Credit Hours	Max. Marks	Marks Obtained	Grade	Quality Points	Remarks
First Semester (SPRING-20)							
CS-300	Intro To Info. & Comm. Technologies	3(2-2)	60	33	C	06.90	
CS-323	Programming Fundamentals	4(3-2)	80	44	C	09.20	
ELE-401	Basic Electronics	3(2-2)	60	34	C	07.20	
ENG-305	English Comprehension	3(3-0)	60	34	C	07.20	
IS-302	Islamic Studies/Ethics*	2(2-0)	40	33	A	08.00	
MTH-310	Calculus And Analytical Geometry	3(3-0)	60	42	B	09.90	
TOTAL		18	360	220	GPA=2.68		
Second Semester (FALL-20)							
CS-423	Object Oriented Programming	4(3-2)	80	48	C	10.80	
CS-430	Digital Logic Design	4(3-2)	80	57	B	13.60	
ENG-325	Communication Skills	3(3-0)	60	37	C	08.40	
MGT-411	Introduction To Management	3(3-0)	60	39	B	09.00	
MTH-315	Multivariable Calculus	3(3-0)	60	28	D	05.10	
STT-500	Statistics And Probability	3(3-0)	60	38	C	08.70	
TOTAL		20	400	247	GPA=2.78		
Third Semester (SPRING-21)							
CS-335	Discrete Structures	3(3-0)	60	39	B	09.00	
CS-443	Data Structure And Algorithms	4(3-2)	80	49	C	10.80	
CS-530	Computer Organization & Assembly Language	4(3-2)	80	55	B	12.80	
MGT-351	Introduction to Marketing	3(3-0)	60	42	B	09.90	
MTH-415	Differential Equations	3(3-0)	60	31	C	06.30	
SSH-307	Professional Practices	3(3-0)	60	41	B	09.60	
TOTAL		20	400	257	GPA=2.92		
Fourth Semester (FALL-21)							
CS-400	Database Systems	4(3-2)	80	52	B	12.00	
CS-536	Theory Of Automata And Formal Languages	3(3-0)	60	50	A	12.00	
CS-542	Analysis Of Alogorithms	3(3-0)	60	42	B	09.90	
CS-566	Web Technologies	3(2-2)	60	42	B	09.90	
CS-583	Operating Systems	4(3-2)	80	56	B	13.20	
MTH-435	Linear Algebra	3(3-0)	60	43	B	10.20	
TOTAL		20	400	285	GPA=3.36		
Fifth Semester (SPRING-22)							
CS-453	Software Engineering	3(3-0)	60	56	A	12.00	
CS-532	Computer Architecture	3(3-0)	60	43	B	10.20	
CS-572	Numerical Analysis	3(2-2)	60	44	B	10.50	
CS-636	Compiler Construction	3(2-2)	60	48	A	12.00	
ENG-315	Technical And Business Writing	3(3-0)	60	45	B	11.10	
MGT-515	Introduction to Human Resource Management	3(3-0)	60	40	B	09.30	
TOTAL		18	360	276	GPA=3.61		

Note: This Transcript is valid only when signed and stamped by the authorized official of the office of Controller of Examinations.

Marks Obtained / Total Marks 1911 / 2720

Aggregate marks % 70.25   CGPA (Out of 4.00) 3.26

Prepared by _Tesmeen_   Checked by _____

Issued vide No. PMAS-AAUR/CE/ 1252   Dated 04-06-2024

Controller of Examinations

Assistant Registrar (Exams)
Pir Mehr Ali Shah
Arid Agriculture University
Rawalpindi

PIR MEHR ALI SHAH
ARID AGRICULTURE UNIVERSITY RAWALPINDI
OFFICIAL TRANSCRIPT OF RECORD

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Sixth Semester (FALL-22)

Code	Subject	Cr.Hr	Total	Obtained	Grade	Points	
CS-553	Object Oriented Analysis & Design	3(3-0)	60	46	B	11.40	
CS-577	Computer Networks	4(3-2)	80	70	A	16.00	
CS-632	Artificial Intelligence	4(3-2)	80	64	A	16.00	
CS-692	Visual Programming	3(2-2)	60	48	A	12.00	
ECON-301	Introduction To Economics	3(3-0)	60	42	B	09.90	
SSH-302	Pakistan Studies	2(2-0)	40	26	B	06.00	
TOTAL		19	380	296	GPA=3.75		

Seventh Semester (SPRING-23)

Code	Subject	Cr.Hr	Total	Obtained	Grade	Points	
CS-432	Modern Programming Languages	3(2-2)	60	48	A	12.00	
CS-597	Cyber Security	3(3-0)	60	48	A	12.00	
CS-666	Web Engineering	3(2-2)	60	54	A	12.00	
CS-687	Parallel & Distributed Computing	3(2-2)	60	52	A	12.00	
CS-698	Final Year Project -I	2(0-4)	40	28	B	06.60	
TOTAL		14	280	230	GPA=3.9		

Eighth Semester (FALL-23)

Code	Subject	Cr.Hr	Total	Obtained	Grade	Points	
CS-497	Information Security	3(3-0)	60	40	B	09.30	
CS-699	Final Year Project-II	4(0-8)	80	60	B	14.80	
TOTAL		7	140	100	GPA=3.44		

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Marks Obtained / Total Marks 1911 / 2720

Aggregate marks %	70.25	CGPA (Out of 4.00)	3.26

Prepared by _Tasmeea_ Checked by _____

Issued vide No. PMAS-AAUR/CE/ _1252_ Dated _04-06-2024_

Controller of Examinations