



NATIONAL UNIVERSITY OF TECHNOLOGY ISLAMABAD, PAKISTAN

ACADEMIC TRANSCRIPT (UNDERGRADUATE)

Name: Muhammad Shahzad Ghaffar **Father's Name:** Abdul Ghaffar
Student ID: F21603027 **Date of Award:** 30 July 2025
Degree: Bachelor of Science Electrical Engineering **Date of Issue:** 16 Oct 2025
Campus: National University of Technology, Karnal Sher Khan Shaheed Road, Islamabad

COURSE CODE	TITLE	CH	GRADE	GP	COURSE CODE	TITLE	CH	GRADE	GP
1st Semester (8th Nov 2021 – 17 Mar 2022)					7th Semester (16 Sep 2024 - 05 Jan 2025)				
BIO1006	Biology	1	B	3.00	EE4213	FPGA Design for Embedded Systems	3	A	12.00
BIO1007	Biology Lab	1	B	3.00	EE4214	FPGA Design for Embedded Systems Lab	1	B+	3.50
PHY1301	Applied Physics	2	C+	5.00	EE4406	Machine Learning	3	B+	10.50
PHY1302	Applied Physics Lab	1	B	3.00	EE4407	Machine Learning Lab	1	B+	3.50
CHE1003	Applied Chemistry	2	C+	5.00	IDE2005	Robotics and Automation	3	A	12.00
CHE1004	Applied Chemistry Lab	1	B	3.00	MATH3501	Numerical Methods	2	B+	7.00
IDE1001	Occupational Health and Safety	1	B+	3.50	MGT1001	Entrepreneurship	2	A	8.00
MATH1103	Calculus and Analytical Geometry	3	B	9.00	EE4098	Capstone Project I	2	A	8.00
IS1002	Islamic Studies and Ethics	2	B+	7.00	8th Semester (17 Feb 2025 - 30 Jun 2025)				
HU1002	Functional English	2	B+	7.00	EE4103	Data Communication and Networks	3	B+	10.50
2nd Semester (25 Apr 2022 - 25 Aug 2022)					EE4104	Data Communication and Networks	1	A	4.00
EE1201	Linear Circuit Analysis	3	C+	7.50	EE4614	Power Electronics	3	B	9.00
EE1202	Linear Circuit Analysis Lab	1	B	3.00	EE4615	Power Electronics Lab	1	A	4.00
MATH1202	Complex Variables and Transform	3	C+	7.50	EE4611	Smart Grid	3	A	12.00
MATH2201	Linear Algebra	2	B	6.00	IDE2002	Neural Network and Fuzzy Logic	2	B	6.00
HU1003	Communication Skills	2	B	6.00	EE4099	Capstone Project II	4	A	16.00
PS1002	Pakistan Studies and Global Perspective	2	C+	5.00	Cum CHs: 132.00		CGPA: 3.24/4.00		
SSC1101	Becoming Humane	2	B	6.00	Status: Degree Conferred				
EE1011	Workshop Practice Lab	1	B	3.00	Additional Courses Attended				
EE1012	Engineering Drawing Lab	1	B	3.00	EEILE1001	Industrial Learning Experience - 1	-	-	Qualified
3rd Semester (14 Nov 2022 – 17 Mar 2023)					EEILE1002	Industrial Learning Experience - 2	-	-	Qualified
HU1007	Technical Writing and Presentation Skills	2	C+	5.00	EEILE1005	Industrial Learning Experience - 5	-	-	Qualified
EE1001	Digital Logic Design	3	B	9.00	EEILE1006	Industrial Learning Experience - 6	-	-	Qualified
EE1002	Digital Logic Design Lab	1	B	3.00	EECLE1001	Creative Learning Experience - 1	-	-	Qualified
EE1003	Computer Programming	3	B+	10.50	EECLE1002	Creative Learning Experience - 2	-	-	Qualified
EE1004	Computer Programming Lab	1	B+	3.50	-----End of Transcript-----				
EE2205	Electrical Network Analysis	3	C	6.00					
EE2206	Electrical Network Analysis Lab	1	B+	3.50					
MATH2304	Differential Equations	3	B	9.00					
4th Semester (27 Mar 2023 – 30 Jul 2023)									
EE2203	Electronic Devices and Circuits	3	B	9.00					
EE2204	Electronic Devices and Circuits Lab	1	B+	3.50					
EE3011	Instrumentation and Measurements	3	B+	10.50					
EE3012	Instrumentation and Measurements Lab	1	B+	3.50					
EE2401	Signals and Systems	3	C+	7.50					
MATH2501	Probability and Statistics	3	B+	10.50					
SS2002	Professional Ethics	2	B	6.00					
5th Semester (16 Oct 2023 – 17 Feb 2024)									
EE2005	Data Structures and Algorithms	3	A	12.00					
EE2006	Data Structures and Algorithms Lab	1	C	2.00					
EE2007	Introduction to Embedded Systems	3	B+	10.50					
EE2008	Introduction to Embedded Systems Lab	1	B	3.00					
EE2501	Electromagnetic Field Theory	3	B	9.00					
EE3101	Communication Systems Engineering	3	B+	10.50					
EE3102	Communication Systems Engineering Lab	1	B+	3.50					
6th Semester (26 Feb 2024 – 30 June 2024)									
EE3301	Linear Control System	3	B+	10.50					
EE3302	Linear Control System Lab	1	B+	3.50					
EE3403	Digital Signal Processing	3	B+	10.50					
EE3404	Digital Signal Processing Lab	1	A	4.00					
EE3601	Electrical Machines	3	C	6.00					
EE3602	Electrical Machines Lab	1	B	3.00					
EE4610	Renewable Energy Systems	3	A	12.00					
MGT1002	Engineering Project Management	2	B	6.00					



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