

Roll No.2K21-MSCS-135

Registration No.2K21-MSCS-135

Serial No. 005629

NFC INSTITUTE OF ENGINEERING & TECHNOLOGY, MULTAN



FACULTY OF SCIENCES

Session: 2021-2023

This is to certify that

ANUM YOUSAF D/o MUHAMMAD YOUSAF

after having fulfilled the requirements has been duly admitted to the degree of

MS Computer Science

securing CGPA 3.39 (Three Point Three Nine)/4.00

Grade: B+

Date of Completion: May, 2024



Controller Examinations

07.07.2024

Multan, Date: _____

Vice Chancellor

NFC INSTITUTE OF ENGINEERING & TECHNOLOGY, MULTAN

Controller of Examinations



TRANSCRIPT

Department:
Program:

Computer Science
MS Computer Science
Session 2021-23



Name: ANUM YOUSAF
Father's Name: MUHAMMAD YOUSAF
Date of Admission: 19.11.2021

Exam. Roll No. 2K21-MSCS-135
Registration No: 2K21-MSCS-135
Medium of Instruction: English

First Semester

Course Code	Course Title	GPA	Grade	Cr.Hr.
CS-502	Advanced Algorithm Analysis	3.3	B+	3+0
CS-531	Advanced Computer Architecture	3.0	B	3+0
CS-532	Advanced Operating Systems	3.0	B	3+0
SGPA:		3.10		

Second Semester

Course Code	Course Title	GPA	Grade	Cr.Hr.
CS-501	Theory of Automata-II	3.7	A	3+0
CS-503	Research Methodology	3.0	B	3+0
CS-506	Advanced Image Processing	3.3	B+	3+0
SGPA:		3.33		

Third Semester

Course Code	Course Title	GPA	Grade	Cr.Hr.
CS-527	Machine Learning	3.3	B+	3+0
CS-541	Securing the Internet of Things	3.3	B+	3+0
SGPA:		3.30		

Fourth Semester

Course Code	Course Title	GPA	Grade	Cr.Hr.
CS-601	Thesis	4.0	A+	6-0
SGPA:		4.00		

Degree Completion Date:	May 02, 2024	CGPA:	Grade:
Transcript Issuance Date	June 24, 2024	3.39	B+

SGPA = Semester Grade Point Average CGPA = Cumulative Grade Point Average [r] = Course Repeated CW = Course Withdraw [I] = Improved

Course Work Credit Hours: 24
Research Work Credit Hours: 06
Total Credit Hours: 30
Mode of Study: Regular

Degree Status: COMPLETED

Dy. Controller of Examinations

Controller of Examinations

P.O. Fertilizer Project, Khanewal Road Multan-Pakistan

رجسٹریشن نمبر
Registration Number

2017-GCUF-063402

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

رول نمبر
Roll Number
564601

Government College University Faisalabad, Pakistan

This University hereby confers upon

Anum Yousaf



یہ جامعہ

انعم یوسف

S/o/M/o Muhammad Yousaf

بن/بنت محمد یوسف

*of University College of Management Sciences Khatirwala Road,
Khanewal*

از یونیورسٹی کالج آف مینجمنٹ سائنسز کبیروالاروڈ،

خانیوال

the Degree of BSc

کو بی ایس

Computer Science

کمپیوٹر سائنس

*with all the rights, honours and privileges pertaining
to this degree*

کی سند مع تمام حقوق، امتیازات اور اعزازات
جو اس سند کے ساتھ وابستہ ہیں عطا کرتی ہے

Session: 2017-2021

دورانیہ: ۲۰۲۱-۲۰۱۷ء

GPA: 3.46 / 4.00

سی جی پی اے: ۳.۴۶ / ۴.۰۰

Results Declaration Date: 08-11-2021

تاریخ اعلان نتیجہ: ۲۰۲۱-۱۱-۰۸

067435



Chancellor

چانسلر

Controller of Examinations

کنٹرولر امتحانات



Government College University Faisalabad, Pakistan

TRANSCRIPT

BS Computer Science, SESSION 2017-2021

NAME : ANUM YOUSAF
FATHER NAME : MUHAMMAD YOUSAF

REG. NO : 2017-GCUF-063402
ROLL NO : 564601

Sr. No.	Course Code	Subject Title	Credit Hours	Max. Marks	Obt. Marks	Marks Per (%)	Letter Grade	Q.P.	Remarks
1st Semester									
1	CSI-301	PROGRAMMING FUNDAMENTAL	4(3-1)	80	44.00	55.00	C	9.33	
2	CSI-321	INTRODUCTION TO ICT	3(3-0)	60	41.00	68.33	B	9.67	
3	ENG-322	ENGLISH COMPOSITION AND COMPREHENSION	3(3-0)	60	43.00	71.67	B	10.33	
4	LNG-321	CHINESE LANGUAGE	3(3-0)	60	37.00	61.67	C	8.33	
5	MTH-323	CALCULUS AND ANALYTICAL GEOMETRY	3(3-0)	60	50.00	83.33	A	12.00	
Semester Total :			16	320	215	67.19		49.66	GPA, 3.10
2nd Semester									
1	CSI-302	OBJECT ORIENTED PROGRAMMING	4(3-1)	80	45.00	56.25	C	9.67	
2	CSI-304	DIGITAL LOGIC AND DESIGN	3(3-0)	60	39.00	65.00	B	9.00	
3	ECO-408	ISSUES IN PAKISTAN ECONOMY	3(3-0)	60	43.00	71.67	B	10.33	
4	ENG-421	COMMUNICATION SKILLS	3(3-0)	60	43.00	71.67	B	10.33	
5	PHY-323	APPLIED PHYSICS	3(3-0)	60	45.00	75.00	B	11.00	
6	STA-324	PROBABILITY AND STATISTICS	3(3-0)	60	32.00	53.33	C	6.67	
Semester Total :			19	380	247	65		57.00	GPA, 3.00
3rd Semester									
1	CSI-401	DATA STRUCTURE AND ALGORITHMS	3(2-1)	60	44.00	73.33	B	10.67	
2	CSI-403	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE	3(3-0)	60	31.00	51.67	C	6.33	
3	CSI-405	DISCRETE STRUCTURES	3(3-0)	60	40.00	66.67	B	9.33	
4	CSI-411	PROFESSIONAL PRACTICES	3(3-0)	60	40.00	66.67	B	9.33	
5	MTH-423	DIFFERENTIAL EQUATIONS	3(3-0)	60	47.00	78.33	B	11.67	
6	MTH-424	LINER ALGEBRA	3(3-0)	60	43.00	71.67	B	10.33	
Semester Total :			18	360	245	68.06		57.66	GPA, 3.20
4th Semester									
1	BBA-506	HUMAN RESOURCE MANAGEMENT	3(3-0)	60	43.00	71.67	B	10.33	
2	CSI-402	OPERATING SYSTEM	4(3-1)	80	57.00	71.25	B	13.67	
3	CSI-404	THEORY OF AUTOMATA	3(3-0)	60	35.00	58.33	C	7.67	
4	CSI-406	DESIGN AND ANALYSIS OF ALGORITHMS	3(3-0)	60	46.00	76.67	B	11.33	
5	CSI-408	NUMERICAL COMPUTING	3(3-0)	60	45.00	75.00	B	11.00	
Semester Total :			15	320	226	70.63		54.00	GPA, 3.38
5th Semester									
1	CSI-503	DATABASE SYSTEMS	4(3-1)	80	58.67	73.34	B	14.23	
2	CSI-505	COMPILER CONSTRUCTION	3(3-0)	60	45.00	75.00	B	11.00	
3	MTH-324	MULTIVARIABLE CALCULUS	3(3-0)	60	46.00	76.67	B	11.33	
4	PSY-421	PSYCHOLOGY	3(3-0)	60	46.00	76.67	B	11.33	
5	SWE-503	SOFTWARE ENGINEERING-I	3(3-0)	60	47.00	78.33	B	11.67	
Semester Total :			16	320	242.67	75.83		59.56	GPA, 3.72
6th Semester									
1	CSI-504	DISTRIBUTED DATABASE SYSTEMS	3(2-1)	60	53.28	88.80	A	12.00	
2	CSI-506	WEB DESIGN AND DEVELOPMENT	3(2-1)	60	47.52	79.20	B	11.83	

COLLEGE NAME : UNIVERSITY COLLEGE OF
MANAGEMENT AND SCIENCES, II/II
KABIRWALA ROAD, KHANEWAL

PREPARED BY : Sant

CHECKED BY : [Signature]

DY. CONTROLLER : [Signature]

RESULT DECLARATION DATE : 08 NOV 2021

DATE OF ISSUE : DECEMBER 28, 2021, 11:02 AM

SERIAL NO : 284354-53

CONTROLLER OF EXAMINATIONS
GC UNIVERSITY, FAISALABAD





Government College University Faisalabad, Pakistan

TRANSCRIPT

BS Computer Science, SESSION 2017-2021

NAME : ANUM YOUSAF
FATHER NAME : MUHAMMAD YOUSAF

REG. NO : 2017-GCUP-063402
ROLL NO : 564601

Sr. No.	Course Code	Subject Title	Credit Hours	Max. Marks	Obt. Marks	Marks Per (%)	Letter Grade	Q.P.	Remarks
3	CSI-508	ARTIFICIAL INTELLIGENCE	3(3-0)	60	57.12	95.20	A	12.00	
4	CSI-512	COMPUTER NETWORKS	4(3-1)	80	71.04	88.80	A	16.00	
5	ENG-510	TECHNICAL AND BUSINESS WRITING	3(3-0)	60	45.60	76.00	B	11.20	
Semester Total :			16	320	274.56	85.8		63.03	GPA, 3.94
7th Semester									
1	CSI-615	MOBILE AND APPLICATION DEVELOPMENT	3(2-1)	60	57.60	96.00	A	12.00	
2	CSI-619	INFORMATION SECURITY	3(3-0)	60	50.40	84.00	A	12.00	
3	CSI-621	PARALLEL AND DISTRIBUTED COMPUTING	3(3-0)	60	39.20	65.33	B	9.07	
4	PST-321	PAKISTAN STUDIES	3(3-0)	60	52.00	86.67	A	12.00	
5	SWE-603	SOFTWARE ENGINEERING-II	3(3-0)	60	58.40	97.33	A	12.00	
Semester Total :			15	300	257.6	85.87		57.07	GPA, 3.80
8th Semester									
1	CSI-604	COMPUTER GRAPHICS	3(2-1)	60	55.20	92.00	A	12.00	
2	CSI-616	FUNDAMENTALS OF DATA MINING	3(3-0)	60	44.00	73.33	B	10.67	
3	CSI-630	FINAL YEAR PROJECT	6(0-6)	120	88.00	73.33	B	21.34	
4	ISL-321	ISLAMIC STUDIES / ETHICS	3(3-0)	60	44.00	73.33	B	10.67	
Semester Total :			15	300	231.2	77.07		54.68	GPA, 3.65
Grand Total :			131	2620	1939.03	74.01		452.66	
Cumulative Grade Point Average (CGPA) required 2.50, Earned >> 3.46									

(ERRORS AND OMISSIONS EXCEPTED)

Certified that the candidate has successfully completed his/her degree requirements.
This Transcript is valid when signed by the Controller of Examinations along with official seal.

COLLEGE NAME :

UNIVERSITY COLLEGE OF
MANAGEMENT AND SCIENCES, 1KM
KABIRWALA ROAD, KHANEWALA

PREPARED BY :

CHECKED BY :

DY. CONTROLLER :

RESULT DECLARATION DATE : 08 NOV 2021

DATE OF ISSUE : DECEMBER 28, 2021, 11:02 AM

SERIAL NO :

CONTROLLER OF EXAMINATIONS
GC UNIVERSITY, FAISALABAD



No.INT. 508995

BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN
(PAKISTAN)



INTERMEDIATE CERTIFICATE

Roll No. 740583

Enrol. No. 0615-201526-412657

Intermediate Annual Examination 2017

GENERAL SCIENCE GROUP

Certified that

ANUM YOUSAF

Son/Daughter Of

MUHAMMAD YOUSAF

College/District

Superior College For Girls Khanewal Zafarullah Khan Road Opposite Attock Petrol Pump Khanewal

has passed AS A WHOLE the Intermediate Examination as a REGULAR candidate

DETAIL OF MARKS

SR#	SUBJECTS	MARKS	
		Maximum	Obtained
1	Urdu	200	140
2	English	200	112
3	Islamic Education	50	49
4	Pakistan Studies	50	48
5	Mathematics	200	140
6	Physics	200	174
7	Computer Studies	200	160
Total	(In Figure)	1100	823
Marks	(In Words)	Eight Hundred Twenty Three	

Internal Grade: A

External Grade: A

Multan,

Dated, the 12th September, 2017



SECRETARY

Note: This certificate is issued without alteration/erasure.

No.SS. 869178

**BOARD OF INTERMEDIATE AND SECONDARY EDUCATION, MULTAN
(PAKISTAN)**



SECONDARY SCHOOL CERTIFICATE

Roll No. 607235

Reg.No. 0613N-101012-102680

ANNUAL EXAMINATION, 2015

GROUP : SCIENCE

Certified that ANUM YOUSAF

Daughter of MUHAMMAD YOUSAF

School

GOVT. GIRLS HIGH SCHOOL, 12/A.H. (KHANEWAL)

Date of Birth : 22-01-2001 (22nd January Two Thousand & One)

has passed AS A WHOLE the Secondary School Certificate Examination as a REGULAR candidate.

DETAIL OF MARKS

Sr. No.	SUBJECTS	MARKS	
		Maximum	Obtained
1	Urdu	150	112
2	English	150	108
3	Islamiyat	100	81
4	Pakistan Studies	100	61
5	Mathematics	150	109
6	Physics	150	118
7	Chemistry	150	114
8	Computer Science	150	113
Total Marks (In Figures)		1100	816

(In Words) EIGHT HUNDRED AND SIXTEEN

Internal Grade A

External Grade A

**Multan,
Dated, the 25th Jul. 2015.**



SECRETARY

Note: This certificate is issued without alteration/erasure.

Under Section 23-Pakistan Citizenship Rules

No. KWL-8-2017-1951

APPENDIX-XIV

Dated: 21-8-2017

FORM 'P-1'

The Pakistan Citizenship Act, 1951 (II OF 1951)
and the rules made there under or (vide rule 23)

47/AC/KWL

CERTIFICATE OF DOMICILE

Whereas Anum Yousaf D/O Muhammad Yousaf
has applied for the grant of a certificate of domicile under the Pakistan Citizenship Act, 1951 (II of 1951), alleging with respect to himself / herself the particulars set out below and has satisfied the undersigned that the conditions laid down in Section 17 of the said Act for the grant of a Certificate of Domicile are fulfilled in the said

Anum Yousaf case.

NOW, Therefore, in pursuance of the powers conferred by the said Act and the rules made there under, the undersigned hereby grants to the said Anum Yousaf this Certificate of Domicile.

In Witness whereof, I have hereto subscribed my name this day of 21-8-2017 and Domicile No is KWL-8-2017-1951.

for Deputy Commissioner,
Assistant Commissioner
Khanewal
KHANEWAL

FULL PARTICULARS RELATING TO THE APPLICANT

Full Name Anum Yousaf
D/O Muhammad Yousaf
Address in Pakistan Chak No. 16/V P/O Khas Tehsil & District Khanewal
Place of Domicile Chak No. 16/V
(Domicile) Tehsil Khanewal District Khanewal Prov/Admn: PUNJAB
Date of Arrival in Place of Domicile Since Birth _____
Married/Single/Widow/Widower Single
Name of Wife or Husband N/A
Name of Children and their Ages N/A
Trade or Occupation Student
Mark of Identification Nil



for Deputy Commissioner,
Assistant Commissioner
Khanewal
KHANEWAL