

C. No: 031561

Ref. PhD(CS)-U001-23

ID. F2017288011



Estd. 1990

University of Management and Technology



On the recommendation of the Faculty and by virtue of the authority bestowed
in the Board of Governors of UMT, the Board hereby confers upon

Asghar Ali Shah
s/o Sadiq Shah

the Degree of

Doctor of Philosophy in Computer Science

entrusted with all rights, responsibilities and privileges.

Awarded at Lahore, Pakistan, this

Sixth Day of September Two Thousand Twenty-Three

Chairman
Board of Governors



Rector

Rs.1000



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Sohail

Sohail Abdullah Aziz
Attestation Officer

15 SEP 2023

Higher Education Commission
Government of Pakistan



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

University of Management and Technology

C. No: 033632

Transcript

School of Systems and Technology

ID No: F2017288011

Name: ASGHAR ALI SHAH

Degree: Doctor of Philosophy in Computer Science

Father's Name: SADIQ SHAH

Date of Birth: 25-Oct-1981

CNIC: 17301-1253262-1



Course Code	Course Title	Cr. Hrs	Grade	G.P.
Fall 2017				
CS757	Theory, Performance Analysis and Applications of Neural Networks	3	A	12.0
CS786	Special Topics in Computer Science	3	B+	9.9
CS834	Research Trends in Computer Networks	3	A	12.0
				GPA: 3.77
Spring 2018				
CS752	Research Trends in Programming Languages	3	B+	9.9
CS795	Distributed and Parallel Systems	3	A-	11.1
				GPA: 3.50
Fall 2018				
CS765	Research Trends in Software Engineering	3	B	9.0
				GPA: 3.00
Spring 2023				
CS899	Thesis	36	P	-

Course Code	Course Title	Cr. Hrs	Grade	G.P.
— End of Transcript —				

Title of Thesis: Framework for Prediction of Oncogenomic Progression Aiding Personalized Treatment of Carcinoma
PhD Notification Date: July 18, 2023.

Credit Hours Earned : 54 Credit Hours for GPA : 18 Total Grade Points : 63.90 Percentage : 88.11% CGPA : 3.55 / 4.00

Degree Completed

E & OE

Shah
Controller of Examinations

Date: 01/SEP/2023
Record No: UF 288F2017-15

Safdar Ali
Registrar

University of Management and Technology (UMT)

Chartered by Government of the Punjab- Ordinance No XV of 2004 Registration No L-7532 dated June 16, 2004.

Recognized by Higher Education Commission (HEC), Pakistan (www.hec.gov.pk).

Grading System

UMT follows relative grading system based on letter grades. Each letter grade is assigned grade points according to table-A below which ranges from 0.00 to 4.00.

Table-A (Grades and Grade Points)

Grades	A+	A	A-	B+	B	B-	C+	C	C-	S	P	F
G.P.	4.00	4.00	3.70	3.30	3.00	2.70	2.30	2.00	1.70	Satisfactory	Pass	Fail

Legend:

Abbreviation	Meaning	Description / Policy
G.P.	Grade Points	A numerical value assigned to a letter grade (Table-A) received in an academic course, multiplied by the number of credits awarded for the course. (Web Definition)
Cr. Hrs.	Credit Hours	One credit hour is equal to one contact hour of teaching in a class for a particular course, per week, in a semester.
SGPA	Semester Grade Point Average	SGPA computed by dividing the total number of G.P. earned by the total number of credit hours taken in a semester.
CGPA	Cumulative Grade Point Average	CGPA computed by dividing the total number of grade points earned by the total number of credit hours completed by the student during his/her attendance at UMT.
[Pre]	Pre Course(s)	Deficiency removal course(s) to fulfill admission requirement and it is not counted towards Credit Hours and CGPA calculation.
[R]	Repeat Course(s)	Student repeats course(s) in case of 'Fail (F)', 'Withdrawal (W)', 'Grade improvement' or 'Short Attendance (SA)'. These grades/courses are not shown on Transcript. In case of repeat, the best grade shall be counted in CGPA.
[Transferred]	External Transfer	Transferred course(s) from other HEC Recognized Degree Awarded Institute (DAI) or University in case of Credit Transfer.
[xC]	Extra Course(s)	Extra course(s); not counted towards Credit Hours and CGPA calculation.
Ex	Exempted Course(s)	Exemption in course(s) may be granted to a student in recognition of similar studies completed successfully from an institute recognized by HEC.
NC	Non Credit	An extra course(s) and will not be counted in Credit Hours and CGPA.
P	Pass	Credit Hours of 'P' grade are counted towards Credit Hours earned however 'P' grade is not computed in CGPA.
S	Satisfactory	Credit Hours of 'S' grade are counted towards Credit Hours earned however 'S' grade is not computed in CGPA.

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website www.umt.edu.pk or email at registrar@umt.edu.pk

The University reserves the right to correct any omissions or error made inadvertently in the Transcript.

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UMT

Office of the Controller of Examinations

NOTIFICATION

No. *OCE-261/PhD-Notice/2023/028*

Date: **July 18, 2023**

It is notified for the information of all concerned that **Mr. Asghar Ali Shah**, PhD Scholar of **School of Systems and Technology** at **University of Management and Technology, Lahore** has completed all the requirements for the award of PhD degree including fulfillment of PhD quality criteria of HEC and the University. The Scholar has become eligible for the award of **PhD degree** in the discipline of **Computer Science** as per detail given hereunder:

PhD Computer Science			Cumulative Result			
Registration No.	Scholar's Name	Father's Name	Credit Hours			Cumulative Grade Point Average CGPA
			Course Work	Research Work	Total	
F2017288011	Asghar Ali Shah	Sadiq Shah	18	36	54	3.55

Research Topic: **Framework for prediction of Oncogenomic progression aiding personalized treatment of Carcinoma**

Supervisor Name: **Dr. Yasir Daanial Khan**, Professor, UMT,

Local External Examiner-I **Dr. Muhammad Amjad Iqbal**, Dean/Associate Professor Department of Computer Science University of Central Punjab, Lahore, Pakistan

Local External Examiner-II **Dr. Farooq Ahmad**, HOD/Associate Professor, Department of Computer Science, COMSATS University Islamabad, Lahore, Campus

Foreign/External Examiners:

a) Name: **Dr. Ahcene Bounceur**, Professor
University: University of Brest, Brest France
Address: 3 Rue des Archives, 29238 Brest, France

b) Name: **Dr. Mehmet Emin Aydin**, Senior Lecturer
University: University of the West of England, UK
Address: Coldharbour Ln, Stoke Gifford, Bristol BS 16 1QY, United Kingdom

Detail of Research Article(s) Published on the basis of thesis research work:
Shah, A. A., Alturise, F., Alkhalifah, T., & Khan, Y. D. (2022). Deep Learning Approaches for Detection of Breast Adenocarcinoma Causing Carcinogenic Mutations. *International Journal of Molecular Sciences*, 23(19), 11539.

Note: This result is declaration as notice only. Errors and omissions, if any, are subject to subsequent rectification.

Dr. Shahid Hassan
(Controller of Examinations)

UMT Road, C-II, Johar Town, Lahore-54770, Pakistan

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