



The World Islamic Sciences & Education University (WISE)

Accreditation and Quality Assurance Department

Curriculum Vitae

Personal
Photo
(wearing the
University's
robe)

Personal Information:

Name	Somia Mohammad Tawfiq Abu Fakher
Place and Date of Birth	Amman 23/2/1987
Nationality	Jordanian
Marital Status / Number of Children if Any	Married/No
Post Office Box & Postal Code	
Mobile	

Administrative Information:

Faculty	Information Technology
Department	Software Engineering
Date of Employment	2023
Vocational Number	10703
E-Mail (Official)	somia.abufakher@wise.edu.jo

Languages:

Language	Proficiency Level (Listening, Writing, Reading, Speaking)
English	Excellent



The World Islamic Sciences & Education University (WISE)

Accreditation and Quality Assurance Department

Curriculum Vitae

Academic Qualifications:

Qualification	Specialization	Awarded by / Country	Date
PhD	Educational Technology	Jordan University/Jordan	2023
Master	Software Engineering	Hashemite University/Jordan	2016
Bachelor	Software Engineering	ZPU/ Jordan	2009

Academic Ranks:

Rank	Granted by	Country	Date

Specialization and Areas of Interest:

Specialization	Software Engineering
Areas of Interest	Software Design and Testing

Title of PhD Dissertation and Abstract (within 150 words)

The study seeks to benefit from the infographic technique in representing theoretical information in the computer course for eighth-grade students in Jordan, and to reveal the impact of this on developing students' visual thinking skills, enhancing their motivation towards learning, and their academic achievement in the subject.



The World Islamic Sciences & Education University (WISE)

Accreditation and Quality Assurance Department

Curriculum Vitae

Title of MA(SC) Thesis and Abstract (within 150 words)

Design patterns are general reusable solutions to frequently occurring problems at software design. They are expected to support better design decisions by reusing existing proven solutions saving cost and time. In this research, we give some evidences about the expected effects of using GoF design patterns on software quality; we empirically evaluate 10 of widely used patterns in terms of their effect on software quality. The evaluated patterns are: Factory Method, Prototype, Singleton, Adapter, Composite, Decorator, Observer, State, Template Method and Proxy. The study considers some software quality attributes that match the intents of the considered design patterns; these attributes are: software maintainability, testability, simple design, reusability, error-proneness and sensitivity to changes. The empirical evaluation of patterns in this study is performed by computing some software quality metrics for patterns classes which have been detected in 10 real open source Java projects. Our results show that the evaluated patterns promote software quality expect the classes of Prototype, Composite and Singleton which is often found not cohesive.

Career Experience:

Job Title	Place of Work	Date
Full-time lecturer	The World Islamic Sciences and Education University	2023-Now
ICT Supervisor and teacher	American Digital School	2020-2023
Coordinator of international programs	Taqarub School	2017-2020

Administrative Posts / Works and Committees:

Administrative Post / Work and Committee	Date



The World Islamic Sciences & Education University (WISE)

Accreditation and Quality Assurance Department

Curriculum Vitae

Publications within the Last Five Years:

Name of Author / Authors	Research Title, Publisher, Date
Maen Hammad, Somia Abufakher and Mustafa Hammad	A Visualization Approach for Bug Reports in Software Systems International Journal of Software Engineering and Its
Hani Bani-Salameh and Somia Abufakher	E-Learning Critical Success Factors Model: Empirical Investigation International Conference on Intelligent Information IPAC15
Fadi Wedyan and Somia Abufakher	The Impact of Design Patterns on Software Quality A Systematic Literature Review The Institution of Engineering and Technology IET journal

Academic Conferences and Symposiums:

Conference Title	Place and Date of Conference	Type of Participation
International Conference on Intelligent Information IPAC15	2015 Batna Algeria	

Training Courses and Certificates:



The World Islamic Sciences & Education University (WISE)

Accreditation and Quality Assurance Department

Curriculum Vitae

Training Course – Offered by / Certificate – Granted by	Date
Introduction to accreditation / Accreditation International – 15 of October 2019 More than 130 training hours from Partner Schools Global Network (PSGN) Teacher Training / British Council - through 2018 – 2020 on the following subjects: Assessing learning Understanding lesson management and planning Understanding thinking skills in the classroom Engaging with Content and Language Integrated Learning (CLIL) Engaging with learning technology Engaging with professional development Understanding approaches to inclusive learning Understanding behavior management Understanding child protection Understanding classroom interaction Understanding special educational needs (SEN) Teaching strategies 22/8/2017 To 24/8/2017 Class management 17/8/2017 To 20/8/2017 Preparation of computerized lessons on active boards 15/11/2017 Solving problems 3/3/2018 To 5/3/2018	

Courses Taught:

Course Taught	Bachelor	Graduate
Computer Skills 1	☒	☐
Internet applications programming	☒	☐
Data structure and algorithms	☒	☐
	☐	☐
	☐	☐
	☐	☐

Membership in Scientific, Academic, or Professional Bodies and Societies:

Name and Place of Scientific, Academic, or Professional Body and Society	Date



The World Islamic Sciences & Education University (WISE)

Accreditation and Quality Assurance Department

Curriculum Vitae

Awards:

Name of Award	Awarded by / Place	Date

