Prof. Dr. MOHAMMAD SULEIMAN AWWAD

CURRICULUM VITAE (CV)

Last update: 01/09/2020

Personal Data

Name: Mohammad Suleiman Oqlah Awwad

Title: Full Professor

Major: Business Administration and Marketing

Date of Birth: 1/12/1967.

Place of Birth: | Amman - Jordan.

Nationality: Jordanian.

Marital Status: Married.



<u>Dr. M.</u> HOVÓVÍGO

Mailing Address

Permanent Mailing Address

Department: Department of Business Administration Faculty: Faculty of Business Administration

University: Mutah University

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Country: The Hashemite Kingdom of Jordan.

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Website https://academic.mutah.edu.jo/awwad/sitepages/Home.aspx

Important Notes:

Prof. Dr. Mohammad Awwad:

- 1. Is a member of the Board of Trustees of Aqaba University of Technology for four years started from 29/5/2018
- 2. Holds a certificate from the "Higher Education Accreditation Commission" indicating that he is accredited in the fields of E-Business Management, Operations and production management, and Strategic management as a knowledge fields.
- 3. Gets seniority for one year in academic ranking and salary at Mutah University for 2014 academic year, as a result of publishing seventeen articles during his occupancy of Associate Professor rank.
- 4. Taught for three years (2010-2012) as a full-time lecturer at an

American university working in Jordan. The New York Institute of Information Technology (NYIT), where the teaching language was in English and the majority of students were foreign students.

5. Prof. Dr. Mohammad Awwad on Scopus

https://www.scopus.com/authid/detail.uri?authorId=40460908000

6. Prof. Dr. Mohammad Awwad on Research gate

https://www.researchgate.net/profile/Mohammad_Awwad

7. Prof. Dr. Mohammad Awwad on Google Scholar

https://scholar.google.com.my/citations?user=E4_AHtkAAAAJ&hl=en

Qualifications						
Degree University Year Major Average						
High School		1986	Scientific stream	%75.4		
Bachelor	Jordan University	1990	Business and statistics	75.1%		
Master	Jordan University	1994	MBA	84.2%		
PhD	Amman Al-Arabia	2003	Business/Marketing	3.94		

Publications: Articles

1) Waiting Review Articles

Author/s	Research Title	Year	Journal	Vol.
			(Publisher)	/No.
Awwad, M.S. & AL- Aseer, R.M.N.	Big Five Personality Traits Impact on Entrepreneurial Intention: The Mediating Role of Entrepreneurial Alertness	2020	Journal of Entrepreneurship in Emerging Economies (Emerald Group Publishing)	Review
Awwad, M.S. & Alqatamin, Yaza	Impact of Organizational Socialization Tactics on Organizational Commitment: The Mediating Role of Perceived Organizational Support	2020	The International Journal of Human Resource Management (Routledge - United Kingdom)	Review
Awwad, M.S. & Al- Karaki, Abdallah	The Impact of Corporate Entrepreneurship on the Performance of Jordanian Telecom Companies	2020		Review

2) Published Articles

A)	A) International Journals					
	Author/s	Research Title	Year	Journal (Publisher)	Vol. /No.	
1)	Awwad, M.S. & Al- Majali, S.M.	Electronic Library Services Acceptance and Use: An Empirical Validation of Unified Theory of Acceptance and Use of Technology	2016	The Electronic Library (Emerald Group Publishing)	Vol: 33 No. 6 pp. 1100- 1120	
2)	Awwad, M.S.	An Application of the American Customer Satisfaction Index (ACSI) in the Jordanian Mobile Phone Sector	2012	TQM Journal (Emerald Group Publishing)	<u>Vol: 24</u> <u>Iss:6</u>	
3)	Awwad, M.S. & Ali, Hanane	Emotional Intelligence and Entrepreneurial Orientation: The Context of Industrial Small and Medium-Sized Enterprises in Jordan	2012	Journal of Research in Marketing and Entrepreneurship (Emerald Group Publishing)	<u>Vol:14</u> <u>Iss:1</u>	
4)	Awwad, M.S. & Bashar, N.	Factors Affecting Switching Behavior of Mobile Service Users: The Case of Jordan	2010	Journal of Economic & Administrative Sciences (Emerald Group Publishing)	<u>Vol: 26</u> <u>No. 1</u>	
5)	Awwad, M.S. & Agti, Djouhara	The Impact of Internal Marketing on Jordanian Commercial Banks' Market Orientation	2011	International Journal of Bank Marketing (Emerald Group Publishing)	<u>Vol:29</u> <u>No. 4</u>	

B)	Regiona	al Journals			
1)	Zoubi, F., Al-Majali, S. & Awwad, M.	Investigating the Effect of Innovations' Characteristics on the Adoption of Electronic Newspapers in Jordan	2016	Arab Journal of Administrative Sciences (Kuwait University)	Vol:23 No. 1 pp. 115- 142
2)	Awwad, M.S. & Al- jaafreh, Seham	Investigation of Factors Affecting Online Knowledge Sharing of Knowledge Training Centers in the MENA Region	2015	Studies in Business and Economics (Qatar University)	Vol. 18, No 2 pp. 35- 56
3)	Awwad, M.S.	The Effect of Perceived Relationship Quality on Customer Retention: Jordanian Cellular Telecommunication Market	2013	Arab Journal of Administrative Sciences (Kuwait University)	<u>Vol. 20</u> <u>No. 1</u>

4)	Awwad, M.S.	Consumer Attitudes toward Mobile Advertising: An Empirical Investigation among Jordanian Users	2011	Journal of Economic and Administrative Sciences (Emirates University)	Vol:27 Iss:1
5)	Awwad, M.S. & Al- Mohammad , S.	Assessing Online Registration System's (ORS) Success: An Application of DeLone and McLean's Model of Information Systems Success	2010	Studies in Business and Economics (Qatar University)	<u>Vol: 15</u> <u>No. 2</u>
6)	Awwad, M.S.	Determinants of accounting services quality and its impact on Jordanian customers' satisfaction from marketing perspective	2006	Arab Journal of Administrative Sciences (Kuwait University)	<u>Vol. 13</u> <u>No. 2</u>
7)	Awwad, M.S. & Al- Adaileh, R.	Investigation of Factors Influencing Students' Intentions to Use Internet: Jordanian Universities Context	2006	Journal of Business and Economics (Qatar University)	<u>Vol. 12</u> <u>No. 2</u>
8)	Sheikh Salem, F. & Awwad, M.S.	Perceived Benefits of Electronic Commerce Applications' Adoption by Jordanian Companies	2005	Al-Nahdah Journal (Cairo University)	Vol. 6 No. 2

C)	Local J	ournals			
1)	Awwad, M.S. & Alqaisi, Buthainah	The Impact of Social Responsibility Costs on Financial Performance of Jordanian Banks	2020	Jordan Journal of Business Administration (Jordan University)	Accept ed
2)	Awwad, M.S. & Al- Majali, S.M.	The Effect of Evaluative Judgments on Service Encounters Satisfaction and Customer Loyalty: The Moderating Role of Customers' Characteristics	2016	Dirasat (Jordan University)	<u>Vol.</u> <u>34, No</u> <u>1</u>
3)					
4)	Awwad, M.S. & Al- Majali, S.M.	Behavioral Responses to Sales Promotion Tools from Consumer's Viewpoint	2015	Dirasat (Jordan University)	<u>Vol: 42</u> <u>No. 1</u>
5)	Awwad, M.S.	Export Information Types and Importance from Jordanian Exporting Companies' View Point	2014	Mutah Lil-Buhuth Wad-Dirasat (Mutah University)	Vol: 29 No. 5
6)	Awwad, M.S.	The Effect of Social Factors on Service Encounters Satisfaction and Customer Loyalty	2014	Jordan Journal of Business Administration (Jordan University)	<u>Vol: 10</u> <u>No. 3</u>
<i>7</i>)	Awwad,	Relationship Marketing and	2014	Dirasat (Jordan	<u>Vol:41</u>

	M.S. & AL- Qralleh, A.	Customer Retention: The Case of Jordanian Mobile Telecommunications Companies.		University)	<u>No. 2</u>
8)	Awwad, M.S.	The Effect of Relational Bonds on Switching Behavior of Mobile Service Users in Jordan	2012	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 8</u> <u>No. 2</u>
9)	Awwad, M.S. & Al- Adaileh, R.	Factors Determining Customer Relationship Management Practices: The Context of Jordanian Commercial Banks	2012	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 8</u> <u>No. 1</u>
10)	Awwad, M.S. & Agti, Djouhara	The Organizational Commitment of Faculty Members of Jordanian and Algerian Universities: A Comparative Analysis	2012	Dirasat (Jordan University)	<u>Vol:39</u> <u>No. 2</u>
11)	Awwad, M.S. & Agti, Djouhara	The Effect of Organizational Commitment on Jordanian Commercial Banks' Market Orientation	2011	Abhath Al- Yarmouk: Humanities and Social Sciences Series (Yarmouk University)	<u>Vol:27</u> <u>No. 2</u> <u>C</u>
12)	Awwad, M.S. & Bensalah, M.	Factors affecting Electronic Data Interchange implementation: The case of Jordanian commercial banks	2011	Dirasat (Jordan University)	<u>Vol: 38</u> <u>No. 1</u>
13)	Awwad, M.S. & Ma'aitah, M.	Jordanian Consumers' Perception towards Shopping Centers Attractiveness	2010	Mutah Lil-Buhuth Wad-Dirasat (Mutah University)	Vol: 25 No. 4
14)	Awwad, M.S. & Ghadi, M.	Investigation of Factors Influencing the Intention to Adopt Mobile Banking Services in Jordan	2010	Dirasat (Jordan University)	<u>Vol. 37</u> <u>No. 2</u>
15)	Awwad, M.S.	Application of structural equation modeling to Investigate factors affecting the intention to adopt Internet Banking in Jordan	2009	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 5</u> <u>No. 2</u>
16)	Awwad, M.S.	Website Quality Factors from Jordanian Universities Students' viewpoint: An Exploratory Study	2006	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 2</u> <u>No. 1</u>
17)	Awwad, M.S.	The impact of exporting information sources on the exporting performance of the Jordanian exporting companies	2006	Jordan Journal of Business Administration (Jordan University)	Vol. 2 No. 4

18)	Awwad, M.S.	Perceived justice in banking service encounters and its impact at Jordanian customer's satisfaction	2005	Al-Manarah (Al al-Bayt University)	Vol. 11 No. 2
19)	Sheikh Salem, F. & Awwad, M.S.	Perceived obstacles Of Electronic Commerce Applications' Adoption By Jordanian Companies	2005	Jordan Journal of Business Administration (Jordan University)	<u>Vol. 1</u> <u>No. 1</u>
20)	Khatib, F. & Awwad, M.S.	Determinants of information search for financial services in Jordan	2003	Dirasat (Jordan University)	Vol. 30 No. 1
21)	Khatib, F. & Awwad, M.S.	Measuring the Service Quality of Marketing Information System Technology: The Case of Jordanian Commercial Banks Sector	2003	Mutah Lil-Buhuth Wad-Dirasat (Mutah University)	<u>Vol. 18</u> <u>No 4</u>

Unj	Unpublished Articles					
22)	Khatib, F. & Awwad, M.S.	Work load determine and productivity measurement in private sector at southern municipalities	Southern Center for Training and Consultations, Mutah University, Jordanian Ministry of Work, 2006.			

Journals indexed in scopus database							
Source title CiteScore SJR SNIP Impact Factor							
International Journal of Bank Marketing	2.43	0.670	1.459				
Journal of Research in Marketing and Entrepreneurship	0.44	0.142	0.525				
TQM Journal	1.22	0.362	0.925				
The Electronic Library	1.11	0.484	1.035				

^{*5-}year Impact Factor (2016)

Books			
Book Title	Year		
Principles of Marketing: Basic Concepts	4 th edition, 2006		
Operational Research: Theory and Practice	1 st edition 1998		
Business Communication Skills: concepts and practices	1 st edition 2004		
Promotion Management (Under Publishing)	Under Publishing		

Master Theses Supervision and Discussion

- Prof. Dr. Mohammad Awwad has participated in more than 50 master and doctoral thesis discussion committees.
- Prof. Dr. Mohammad Awwad has supervised the following Master and doctoral theses:

	Student Name	Titel	year	Uiversity	Language
1.	Mohammed Yasin Ghadi	Investigation of Factors Influencing the Intention to Adopt Mobile Banking Services in Jordan.	2007	Mutah University	English
2.	Mokhles A. Ma'aitah	Jordanian Consumers' Perception towards Shopping Centers Attractiveness.	2008	Mutah University	English
3.	Bashar Na'amat	Switching Behavior of Mobile Users for Service Providers: The Case of Jordan	2008	Mutah University	English
4.	Majida Salah Al Arabi	Factors affecting Electronic Data Interchange Implementation and its impact on Marketing Performance	2009	Mutah University	English
5.	Arwa Qaraleh	Relationship Marketing and Customer Retention: The Case of Jordanian Mobile Telecom Services	2010	Mutah University	English
6.	Djouhara Ali Agti	The Impact of Internal Marketing on Jordanian Commercial Banks' Market Orientation	2010	Mutah University	English
7.	Kamel Sulieman Al Tarawneh	The effect of E-business practices on value creation in Jordanian commercial banks: A Managerial perspective	2010	Mutah University	English
8.	Hanane Ali Yakhlef Kada Ali	Managers' Emotional Intelligence and Entrepreneurial Orientation: The Context of Industrial Small and Medium-sized Enterprises in Jordan	2011	Mutah University	English
9.	Abd-Almajeed Al-	Factors affecting job	2011	Mutah	Arabic

	Balawi	turnover in small and		University	
10.	Hazem Mohammad Al_Kasassbeh	medium enterprises The Impact of Service Quality Dimensions on Customer Loyalty in Beauty Saloons	2012	Amman Arab University	Arabic
11.	Saad Abdulah Alsunaid	The Intention to Use Online Application Program "Hafiz" To Search for Job in Saudi Arabia	2012	Mutah University	English
12.	Hareth Al - Shamayleh	Measuring the Quality of E-Services and its Impact on Students Satisfaction at Jordanian Universities	2012	Mutah University	English
13.	Dara Diab Al- Badayneh	Factors Affecting Airlines Customers' Loyalty toward Electronic Ticketing In Jordan	2013	Mutah University	English
14.	Seham Ahmad Aljaafreh	Investigation of Factors Affecting Online Knowledge Sharing Usage Behavior of Knowledge Training Centers in the MENA Region	2013	Mutah University	English
15.	Ahmad Jamal Odeh	Factors Affecting Sport Fan Attendance in Jordan	2013	Mutah University	English
16.	Muna Al-khresheh	Measuring health services quality gap A comparative study between public and private sectors in Amman city	2013	Mutah University	Arabic
17.	Ola Almubaydeen	Organizational Culture and Competitive Advantage: the Role of Knowledge Management and Entrepreneurial Orientation	2014	Mutah University	English
18.	Abdallah Abu Karaki	The Impact of Corporate Entrepreneurship on the Performance of Jordanian Telecom companies	2019	Mutah University	English
19.	Buthainah Al-Qaisi	The Impact of Social Responsibility on Financial Performance of Commercial and Islamic	2019	Mutah University	Arabic

		Jordanian Banks			
20.	Haya Al-Majali	Building Blocks of Competitive Advantage in the Jordanian Pharmaceutical Industry	2019	Mutah University	English
21.	Farah Mohammad Lafi	The effect of Leadership style on market orientation: the mediating role of internal marketing/an empirical study in Jordanian commercial banks	2020	Mutah University	English
22.	Noora Al-Marri	Analysis of The Impact of Economic Blockade on Business, Consumers, Trade and Prices: The Case of Qatar State	2020	Mutah University	Arabic
23.	Rana "Mohammad Najati" AL-Aseer	Big Five Personality Traits Impact on Entrepreneurial Intention for Jordanian Universities Students: The Mediating Role of Entrepreneurial Alertness	2020	Mutah University	English
24.	Yazan Mohammad Khlaif Alqatamin	Impact of Organizational Socialization Tactics on Organizational Commitment The Mediating Role of Perceived Organizational Support	2020	Mutah University	English
25.	Rewa Nasser Al Smadi	The Effect of perceived justice on the Employees' Turnover Intention: The Mediating Role of Pay Level Satisfaction	2020	Mutah University	Arabic
26.	Ronza R Qussous	An Analysis of Macroeconomic Determinants of Unemployment in the Arab countries: The Mediating Role of New Businesses Density	2020	Mutah University	English
27.	Ali Qtaishat	The mediating role of competitive advantage in the relationship between intellectual capital and financial performance of the banks listed on the	2020	Mutah University	Arabic

		Amman Stock Exchange.			
28.	Abdullah Badr Al- Duwailah	Total Quality Management: an approach to improving the performance of public institutions in the State of Kuwait, applying to the Ministry of Social Affairs.	2020	Mutah University	Arabic
29.	Haya Alhiyari	Investigating the financial indicators affecting employees turnover rate in the jordanian pharmaceutical industry	2020	Mutah University	English
30.	Noor Moh'd Al Nassraween	The Impact of Customers Knowledge Sharing on Customer Retention of Jordanian Commercial Banks: The Mediating Role of Market Orientation	2020	Mutah University	Arabic
31.	Bashar Abdul Rahim Al Asasfa	The Role of Small Enterprise in Empowering Women in the Southern Governorates of The Hashemite Kingdom of Jordan	2020	Mutah University	Arabic

Doctoral Theses Supervision

1. Thesis of Sameer Mousa AL-Jabaly (2012) "The Impact of Information Systems and Customer Knowledge Management on Customer Relationship Management & customer Retention in Services Sector". Amman Arab University for Graduate Studies. (Approved)

Experiences					
Managerial Experience					
Academic Title Department / Faculty University period					
Chairman	Business and	Mu'tah University	2014/2015		
	Marketing Dep.				
Chairman	Marketing Dep.	Mu'tah University	2009-2010		
Chairman	Finance Dep.	Mu'tah University	2006-2007		
Dean Assistant	Faculty of Business	Mu'tah University	2006-2007		

Academic Experience (Full Time)

Academic Title	University	Department	period		
Full Prof.	Mutah University	Business Dep.	1/10/2015 – Until now		
Associate Prof.	NYIT	Business Dep.	1/2/2011 - 30/5/2013		
Associate Prof.	Amman ALArabiah	Business Dep.	14/9/2010 - 30/1/2011		
Associate Prof.	Mu'tah University	Business Dep.	12/9/2009 -12/9/2010		
Assistant Prof.	Mu'tah University	Business Dep.	12/9/2004 - 12/9/2009.		
Instructor	Mu'tah University	Business Dep.	12/7/1998 - 12/9/2004.		
Full time lecturer	Mu'tah University	Business Dep.	19/9/1994 to 12/7/1998		
Teacher assistant	Jordan University	Business Dep.	1992-1994		
	Academic Experience (Part Time)				
Part time lecturer	Jordan Uni	versity	Several semesters		
Part time lecturer	Arab Academy		Several semesters		
Part time lecturer	Amman Al Arabia		Several semesters		
Part time lecturer	Middle East University		Several semesters		

Teaching Experience

Undergraduate courses

<u>Teaching language (Arabic):</u> Principles of Marketing. Marketing Management. Consumer Behavior. Services Marketing. Advertising Management. Distribution Channels Management. Public Relations in Management. Sales Management. Operational Research. Production Planning and Management. Banking Management. Promotion Management. Principles of Management. Research Methodology. Pricing Policies. Quantitative Methods for Marketing.

<u>Teaching language (English):</u> Computer Applications in Business. Computer Applications in Marketing. International Marketing. Management Information Systems. E-Marketing. Marketing Information System. Statistics for Business.

Graduate courses

Teaching language (English): 1. 9. Marketing Strategy. **Business Statistics.** 2. 10. Projects management Research Methodology. 3. Marketing Management. 11. Entrepreneurship and Creativity 4. Operations Management. 12. Supply Chain Management 5. Electronic Marketing (E-Marketing). 13. Total Quality Management 6. Electronic Business (E-Business). 14. Strategic Management 7. Advanced International Business. 15. Human Resource Management

E-learning Experience

16. Organizational Behavior

8.

International Business.

The adoption of the internet in teaching various graduates and undergraduates academic courses. Dr. Awwad has been teaching the following courses through elearning (http://elearning.mutah.edu.io/)

Course	Level	
Operations Management	Graduate	
Electronic Marketing	Graduate	
Computer Applications in Business	Undergraduate	
Computer Applications in Marketing	Undergraduate	

Electronic Marketing	Undergraduate

Relevant skills

Computer Skills

- Dr. Awwad has got The International Computer Driving License (ICDL) In English Language.
- Dr. Awwad has taught Computer Applications in Business and Marketing many times. This course includes system software (DOS, Windows), and application software such as WinWord, Excel, PowerPoint, SPSS (Statistical Package for Social Sciences), QSB (Quantitative Systems for Business), and Databases (Access).
- Dr. Awwad has taught E-Marketing and E-Business using web sites developing software like FrontPage and Dreamweaver.

- Dr. Awwad able to utilize the use of numerous computer software packages like:

- Dr. Awwad able to utilize the use of numerous computer software packages like		
Program	Ability	
Word	Excellent	
Power Point	Excellent	
Excel	Excellent	
Access	Excellent	
Front Page	Excellent	
SPSS	Excellent	
AMOS	Excellent	
SmartPLS	Excellent	
Windows	Excellent	
E-mail	Excellent	
Internet	Excellent	

Language Skills				
Language	Reading	Writing	Conversation	
English	Very good	Very good	Very good	
Arabic	Excellent	Excellent	Excellent	

Technical Skills

- Designing and teaching online courses.
- Writing research proposals.
- Statistical and scientific methodological consultations.
- The ability to type, file, write professional reports, and professionalism in utilizing the Statistical Package for Social Science (SPSS).
- Statistical Analysis using "Structural Equation Model" utilizing the Statistical Package "AMOS" and SmartPLS.
- Designing web sites.

Research Skills (Reviewer)

Dr. M. Awwad is a reviewer for the following journals:			
Journal	publisher		
International Journal of Bank Marketing	Emerald		
Total Quality Management	Emerald		
Jordan Journal of Business Administration	Jordan University		
Dirasat	Jordan University		
Mutah Lil-Buhuth Wad-Dirasat	Mutah University		
The Electronic Library	Emerald		

Statistical analysis skills

Dr. Awwad is an expert in advanced statistical analysis using path analysis programs (structural equations models) which includes the following programs:

- 1 SPSS (Statistical Package for Social Siences)
- 2 AMOS (Analysis of Moment Structures).
- 3 SmartPLS 2.0 M3 Beta (Partial Least Squares).
- 4 STATA (panel data analysis)
- 5 Gretl (panel data analysis)
- 6 XLSTA
- 7 LISREL (Linear Structural Relations).

Committees Membership

Dr. Awwad has participated in the following committees:

- Member of the preparation and development of the master's program in "E-Business".
- A chairman of the electronic students' election monitoring committee for the department of Business Administration & Marketing at Mu'tah University for the academic years 2004/2005 and 2005/2006.
- Representative of the Business Administration & Marketing in Business faculty council at Mutah University for the academic years 2004/2005 and 2005/2006.
- A member in the negotiating committee for the Quality Accreditation awarded to the Department of Business Administration & Marketing at Mutah University 2005.
- A chairman and a member of various subcommittees for Business Administration curriculum design and Business courses description in the Department of Business Administration at Mu'tah University
- A member, along with my teaching period at Mu'tah University, in the Department's committee for scores lists auditing.
- A member in Graduate studies' committee for MBA curriculum design and students affairs.
- A member of marketing committee for B.Sc. degree at Mu'tah University.
- A member of proficiency exam committee for graduate students of marketing specialization at Mutah University according to higher education council regulations.

Training courses

Dr. Awwad has conducted the following training courses:

- "Procurement Management and warehouses from quality perspective" for the employees of municipalities of Karak.
- Skills development of stores and warehouses staff. For top -management employees at Mutah University.
- Integrated Skills course in Purchasing and Materials Management and inventory. For Mutah University employees.
- "Banking Marketing" for the employees in the commercial banks.
- "Banking Marketing" for Islamic bank's employees.
 - "Employees Motivation" held in Oman-Muscat, Oman Arab Bank.
 - "Computer Applications in Business" for top -management employees at Mutah University.
 - "Selling Skills" for employees from the private sector.
 - "Project Management" for top -management employees at Mutah University.
 - "Developing Personal Skills" for top -management employees at Mutah University.
 - "Preparing Marketing Plan" for employees from the private sector.
 - "Customer service skills" for employees from the private sector.
 - "Access & Excel application software" for the accountants of municipalities of Karak.
 - "SPSS application software" for the researchers of municipalities of Karak.
 - "Participatory rural appraisal (PRA)" for the employees of municipalities of Karak.
 - "Change Management" for the employees of municipalities of Karak.
 - **Self-development** for the employees of Justice Officials.
 - "Statistical analysis using SPSS" for the staff of the Ministry of Agriculture in the provinces of the south, each for a period of 40 hours.