

Influence of Flexible Working-Time Arrangements on Faculty Satisfaction and Human Resource Retention at Amman Arab University in Jordan

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Abstract

This study aims at measuring the influence of flexible working-time arrangements on faculty satisfaction and human resource retention. A questionnaire was developed to collect data from all full-time faculty at Amman Arab University in Jordan which consists of 113 faculty members. 83 valid questionnaires were analyzed which encompass (73.5%) from all full-time faculty.

The most findings of the study are:

- Faculty perceptions about components of flexible working-time arrangements in Amman Arab University are high, except the paragraphs relating to uploading of courses materials on e-learning system from home, and interacting with students on the e-learning system from home, which the relative importance of each is moderate.
- Faculty perceptions about their satisfaction components in Amman Arab University are high, except the paragraphs relating to satisfaction with the system of incentives, compensation, promotion, and the opportunities of participation in decision-making which the relative importance of each is moderate.
- Faculty perceptions about human resource retention components in Amman Arab University are high, except the paragraphs relating to University attention to job security, salaries relative to competitive universities, additional benefits, and career planning which the relative importance of each is moderate.
- There is a statistical influence of flexible working hours on faculty satisfaction and human resource retention.

- There is no statistical influence of compressed week and telecommuting on faculty satisfaction and human resource retention

Based on the findings of the study, a set of recommendations was proposed to enhance faculty satisfaction and human resource retention in Amman Arab University.

Keywords: Flexible working-time arrangements, Faculty satisfaction, Human resource retention, Amman Arab University

1. Introduction

Today's turbulent environment has put pressure on organizations to build agility, improve its adaptability, and implement in a timely manner (AL-Faouri, Al-Nsoor, and AL-Kasasbeh, 2014). Flexible working-time arrangements are one of new trends in human resources management; organizations tend to enhance agility of human resources, and flexibility of operations, in response to various environmental variables. Today's business environment has created several challenges for companies, at the same time there are many opportunities in the environment, organization can capture these opportunities with agility of human resources and flexible working time arrangements. In order to convince the organization management to adopt flexible working time arrangements, the benefits for company must be clear. Therefore, organizations must measure the impact of flexible working-time arrangements to evaluate the positive results of these arrangements.

In recent years, flexible working-time arrangements have received increasingly important interest among researchers and practitioners in the field of human resources management, particularly in the Western countries (Goudswaard, Verbiest, Preenen & Dhondt, 2013). However, studies in the field of flexible working-time arrangements are still limited in the Arab World (Saleh, & Hossein, 2010).

Flexible working-time arrangements refer to the arrangements that organizations and employees build to customize the regular working-time patterns in order to meet their changing needs, such as fluctuations in service and production demands or work-life obligations to achieve a balance between business requirements and obligations of the private life of employees (Goudswaard et al., 2013).

There are many benefits of flexible working-time arrangements for organizations and employees in terms of increasing employees productivity, effectiveness of virtual teams, business sustainability, agility of the infrastructure, competitiveness of enterprises, new opportunities, human resource retention, number of female leaders at key positions, ability to attract and retain executives, flexible retirement, and diversified work patterns to achieve the desires of different generations of employees. Other benefits related to reducing the use of work time for personal interest, reduce absences, and shorten the break times during work. The benefits of flexible working-time arrangements vary from one organization to another, but it benefits both employees and organizations.

Jill Evans-Silman believes that organizations which recognize the value of using flexible

working-time arrangements to bring back time to employees in form of schedules that benefit all employees and organizations will be the successful organizations in new economy (SHRM, 2009).

Human resource recruitment and development processes in most industries and sectors form a significant burden on organizations. Moreover, it is imperative for organizations to attract and retain talented people; because human resource constitutes a crucial resource for success, and human resource retention strategies contribute in achieving sustainable competitive advantages in organizations (Al Nami & AL-Kasasbeh, 2014).

Amman Arab University (AAU) was chosen to study due to its implementation of flexible working-time arrangements on faculty members in terms of flexible working hours, compressed week, and telecommuting. Something which probably resulted in a supportive environment contributed positive results to the University and faculty members at the same time.

2. Literature Review & Study Hypotheses

According to a survey by the society of human resource management, 59% of professionals in human resources revealed that their organizations provide flexible working hours for employees, and 37% of them reported that their organizations adopt a compressed work week. Human resources professionals realized that the difficulty in balancing work-life obligations for employees poses a great threat to retain human resources (SHRM, 2009).

Many studies in the field of human resources management investigated various corporate flexibility strategies (Cappelli & Neumark, 2003). Several organizations started with introducing flexible working-time arrangements to balance work-life obligations. Organizations that adopt flexible working practices are becoming less in turnover, and more than other organizations in employees' satisfaction and commitment. For example, an analysis showed that turnover rate in organizations which used flexible work options like flexible working hours, compressed week, telecommuting, and early or late access to the work place is 5% less than other organizations that do not use flexible working-time options (North Coast 99, 2013).

Some previous studies (Kalpana, 2013) found that there are factors affecting employees' job satisfaction, their productivity, and motivations; which lead to reduced levels of job stress. These factors include flexible time schedules that contribute to improving productivity, job satisfaction, and motivation. Moreover, flexible time schedules make organizations more profitable and successful. One study (Russell, O'Connell, & McGinnity, 2009) concluded that telecommuting is associated significantly with reduced levels of job stress and achieve balance between work and life.

Motives for using flexible working-time arrangements vary. Results of some studies (Shockley & Allen, 2012) indicated that many employees are motivated to use flexible work-time arrangements by factors related to work rather than motivations related to management of their life.

Today's business started to go away from focusing on the standard time practices and control how employees spend their time at work within organizations to focus on results and application of flexible working-time initiatives, which may lead to reduced levels of turnover and consequently affects organizational innovation (Moen, Kelly & Hill, 2011)

Many researchers (Armstrong, Cynthia, Riemenschneider, Allen, and Margaret, 2007; Kelly & Moen, 2007; Hill, Nicole, Lukas, Dawn, Robyn, Alexis, & Maria, 2006) believe that giving more flexibility to employees may improve company ability to retain them.

A survey (American Time Use Survey, 2011; cited in The Council of Economic Advisers, 2014) indicated that employees with higher educational levels often adopt flexible working time-arrangements, both concerning the use of flexible working hours or flexible work places.

Some studies (McNall, Masuda, & Nicklin, 2010) suggest from an empirical point of view that organizations adopt specific policies such as flexible time and compressed work weeks facilitate work and family enrichment, enhance job satisfaction levels, and retain employees. More levels of flexibility granted by companies to employees will able them to achieve some kind of balance between work and personal life. 90000 employees in a survey conducted at 18 countries have determined balance between work and life as the most important factor that they take it into account when choosing a job, and the ability to balance work -life is their motive to stay at work. Organizations that are considering recruiting and retaining talented people have to take in consideration the theme of balance between work and life.

Flexible work options are viewed as an engine of economic growth in governments that are looking for a change in working practices. For example, more than two thirds of managers in United Kingdom believe that it must assist organizations in applying flexible working hours to stimulate economic growth. (Regus, 2012). 72% of managers and global business owners who responded to a survey acknowledged that improving productivity was a direct result of flexible working practices; for instance in emerging economies 90% of Chinese managers, 84% of Mexican managers, and 79% of Indian managers indicated to the benefits of flexible work for productivity. While in western economies 71% of American managers, 69% of French managers, and 68% of British managers realized that flexibility is an engine of productivity. At the same time 51% of Japanese managers indicated that there is a relationship between flexible work and productivity.

Study of Chung & Tijdens (2013) classified twenty one European country according to its use of flexible working-time arrangements in three groups: The first group is South Europe with Hungary and Slovenia where employees and organizations do not use flexible working-time arrangements. The second group consists of Northern Europe with Greece and Poland; where employees and organizations are intensively using flexible working-time arrangements. The third group consists of the rest of the European countries, where the rate of using flexible working-time arrangements is in the middle between Northern Europe and Southern Europe

Saleh & Hussein's study (2010) found that faculty members in Mosul University have a high flexibility to choose their schedules, times of entry, and exit to the University. This may be a

practice of the idea of flexible work. The study also showed that there is a desire of administrative employees to benefit from flexible working hours as faculty members due to their belief that it will bring them many benefits.

It is expected that present study will be important by adding new information to leaders and academics at AAU in Jordan which contribute to assess the practices of flexible working-time arrangements and its impact on faculty satisfaction and human resource retention. New knowledge might contribute to the related previous literature by bridging the gap in terms of the influence of flexible working-time arrangements on faculty satisfaction and human resource retention.

After reviewing the relevant literature, two main hypotheses were proposed:

H 1: Flexible working-time arrangements (compressed week, flexible working hours, and telecommuting) are positively related to the faculty satisfaction. The following three sub-hypotheses were derived from the first main hypothesis:

H 1-1: Compressed week is positively related to the faculty satisfaction.

H 1-2: Flexible working hours are positively related to the faculty satisfaction.

H 1-3: Telecommuting is positively related to the faculty satisfaction.

H 2: Flexible working-time arrangements (compressed week, flexible working hours, and telecommuting) are positively related to the human resource retention. The following three sub-hypotheses were derived from the second main hypothesis:

H 2-1: Compressed week is positively related to the human resource retention.

H 2-2: Flexible working hours are positively related to the human resource retention.

H 2-3: Telecommuting is positively related to the human resource retention.

Figure 1 demonstrates the theoretical framework of the present study, which comprises of flexible working-time arrangements (compressed week, flexible working hours, and telecommuting) as independent constructs and faculty satisfaction and human resource retention as dependent constructs.

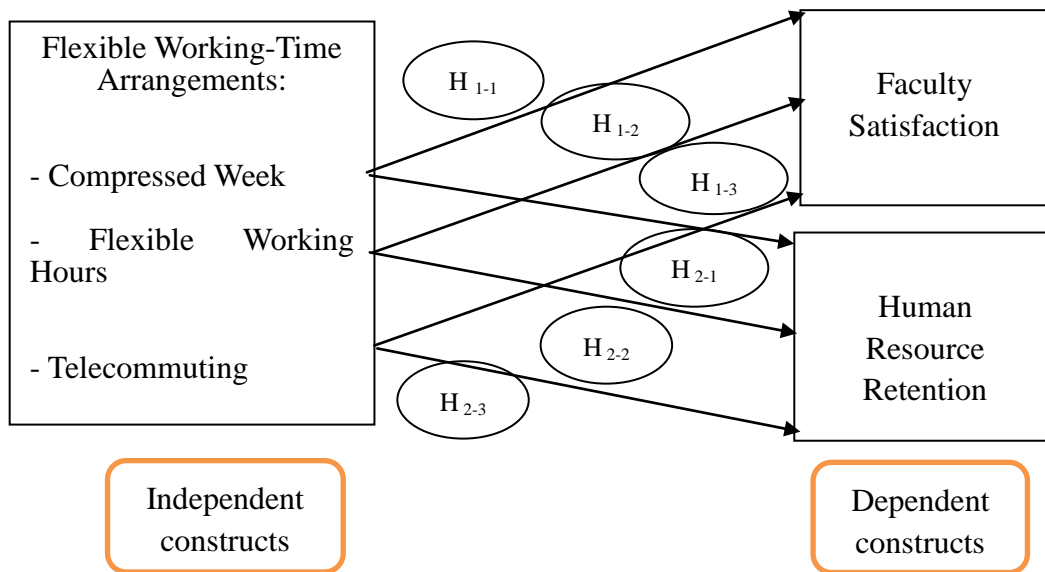


Figure 1 Theoretical Framework

To make constructs more operationalized and measurable in a realistic way, it is important to view the behavioral dimensions, or components denoted by the concept (Zikmund, Babin, Carr, & Griffin., 2013; Sekaran & Bougie, 2013) and subdividing constructs into several measurable items to measure flexible working-time arrangements, faculty satisfaction, and human resource retention respectively.

3. Research Methodology

This research is a quantitative study. A questionnaire was distributed to all full-time faculty in AAU to collect data about investigated variables and test the study hypotheses.

3.1 Amman Arab University

AAU was founded in 1999 to be a distinctive university such as the prestigious universities in the developed world. AAU is working to achieve excellence in two goals. First, to transfer the university message honestly and to perform its roles efficiently and effectively so as to achieve its goals. The second goal, to be a model university emulated in the Arab world. The main reason behind the establishment of AAU was to basically be an outstanding none-for-profit university (AAU Website, 2016).

3.2 Unit of Analysis

The unit of analysis involves all full-time faculty at AAU; because they are involved in AAU's practices of flexible working-time arrangements (compressed week, flexible working hours, and telecommuting) that are related to satisfaction and human resource relation. 113 questionnaires were distributed to all full-time faculty at AAU, 83 valid questionnaires were analyzed which encompass (73.5%) from all full-time faculty.

3.3 Research Tool

After reviewing previous studies (Kelly and Kalev, 2006; McNall, Masuda, & Nicklin, 2010; Shockley & Allen, 2012; Kalpana, 2013), questionnaire was developed to measure flexible working-time arrangements (compressed week, flexible working hours, and telecommuting), faculty satisfaction and human resource relation constructs. The questionnaire comprised of (40) items according to quintet Likert scale.

3.4 Validity of Research Tool

Questionnaire of the study was reviewed by professionals in the field of human resource management to ensure that the items of the questionnaire can measure flexible working-time arrangements (compressed week, flexible working hours, and telecommuting), faculty satisfaction and human resource relation constructs.

3.5 Reliability of Research Tool

To verify the internal consistency of study variables, analysis of Cronbach alpha coefficient was used. Table 1 displays reliability coefficients of flexible working-time arrangements, faculty satisfaction, and human resource retention constructs that exceeded 70%.

Table 1: Cronbach Alpha Coefficients

Variables	Cronbach Alpha
Compressed Week	0.929
Flexible Working Hours	0.706
Telecommuting	0.845
Faculty Satisfaction	0.895
Human Resource Retention	0.940

4. Research Findings

4.1 Faculty Perceptions about Research Constructs

To measure faculty perceptions about the research constructs, an importance level of the answers of the questionnaire items was calculated by the following equation:

Class Length = (maximum response - minimum response) / number of importance levels.

Class Length = $(5-1)/3 = 1.33$

The mean of low importance level is ranging from 1-2.33, the mean of moderate importance level is ranging from 2.34-3.66, and the mean of high importance level is ranging from 3.67-5.

4.1.1 Perceptions of Faculty about Flexible Working-Time Arrangements

Table 2 shows that the perceptions of faculty about all items of the flexible working-time arrangements are high with the exception of items 13 and 14 are moderate with means (3.6145) and (3.3855), respectively.

Table 2. Mean, Standard Deviations, and Significance Level for Items of Flexible Working-Time Arrangements.

NO.	Item	Mean	S.D.	Sig. Level
1	AAU affords me the opportunity to work four days a week.	4.5181	.75485	High
2	Work four days a week helps me to manage my time.	4.5060	.75504	High
3	Work four days a week enables me to meet my family obligations.	4.4940	.81710	High
4	Work four days a week enables me to meet my social obligations.	4.3855	.90838	High
5	I participate in choosing schedule of my lectures at AAU.	3.8313	1.05714	High
6	AAU is enabling me to choose my office hours schedule	4.3614	.65478	High
7	I participate in choosing schedule of my committees meetings.	3.7108	.87694	High
8	My work does not exceed 30 hours a week at AAU.	3.8795	.91595	High
9	I prepare for lectures in my home.	4.3735	.77634	High
10	I mark students' answers sheets in my home.	4.3012	.82247	High
11	I write scientific researches in my home.	4.2892	.89074	High
12	I review students' assignments in my home.	4.0120	.91723	High
13	I upload courses material on e-learning system from my home.	3.6145	.96058	Moderate
14	I interact with students on the e-learning system from my home.	3.3855	.90838	Moderate
15	I review scientific researches for refereed journals in my home.	4.0000	.86954	High
16	I review students' theses in my home.	4.0241	.82604	High
	General Mean	4.1054		High

4.1.2 Perceptions of Faculty about Faculty Satisfaction

Table 3 displays that the perceptions of faculty about all items of their satisfaction are high with the exception of items 19, 20, 21, and 26 are moderate with means (3.3494), (3.4096), (3.2289), and (3.4940) respectively.

Table 3. Mean, Standard Deviations, and Significance Level for Items of Faculty Satisfaction

N	Item	Mean	S.D.	Sig. Level
17	AAU provides me with all facilities to perform my job.	3.9398	.97966	High
18	I'm satisfied with my work environment at AAU.	4.1566	.86224	High
19	I feel that faculty incentives system is fair at AAU.	3.3494	1.14160	Moderate
20	I feel that my salary is equivalent to the effort involved in performing tasks.	3.4096	1.09362	Moderate
21	I feel that faculty promotion system is fair at AAU	3.2289	1.02797	Moderate
22	I feel that there is a continuous cooperation with colleagues at AAU.	3.9639	.86173	High
23	AAU provides a necessary information to do my job.	3.8795	.73911	High
24	AAU provides an opportunity for team work.	3.8675	.79282	High
25	AAU provides training opportunities to improve performance of my current job.	3.8313	.89469	High
26	AAU provides opportunities of participating in decision making which related to my job.	3.4940	.96744	Moderate
27	I draw a bright image for AAU.	4.6867	.51626	High
28	I participate in AAU success.	4.0000	.47691	High
29	I dislike any negative criticism directed to AAU.	4.2771	1.01589	High
30	Overall, I like my job at AAU.	4.5904	.64461	High
	General Mean	3.9604		High

4.1.3 Perceptions of Faculty about Human Resource Retention

Table 4 shows that the faculty' perceptions about items of human resource retention are high with the exception of items 32, 35, 36, and 38 are moderate with means (3.6145), (3.5060), (3.2530), and (3.6265) respectively.

Table 4. Mean, Standard Deviations, and Significance Level for Items of Human Resource Retention

NO.	Item	Mean	S.D	Sig. Level
31	AAU adopts faculty retention policy.	3.8313	.90822	High
32	AAU provides job security for faculty members	3.6145	.89485	Moderate
33	My job at AAU affords me social status commensurate with my ambitions.	4.0241	.78049	High
34	My job at AAU affords me self-actualization	4.0843	.78406	High
35	AAU provides higher faculty salaries than the salaries of their colleagues in other universities.	3.5060	1.07492	Moderate
36	AAU offers additional benefits to retain faculty members.	3.2530	1.14597	Moderate
37	AAU helps me to cope with my colleagues	3.8193	.89911	High
38	AAU contributes in career planning for faculty members.	3.6265	.94625	Moderate
39		3.7831	.85609	High
40	AAU contributes in developing my skills to perform future jobs.	4.2771	.83100	High
	I don't think about leaving my job at AAU	3.78192		High
	General Mean			

4.2 Hypotheses Testing

Table 5 indicates based in the results of multiple regression analysis that there is no statistical influence of compressed week on faculty satisfaction; Beta =.076, P = .392 therefore, hypothesis H1-1 is rejected. And there is no statistical influence of telecommuting on faculty satisfaction; Beta =.071, P = .394 as a result, H1-3 is rejected. But multiple regression analysis indicates that there is a statistical influence of flexible working hours on faculty satisfaction; Beta =.642, P = 0.000 thus, hypothesis H1-2 is supported.

Table 5. Multiple Regression Analysis for Influence of Flexible Working-Time Arrangements on Faculty Satisfaction

Model	Un-standardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	1.548	.425		3.647	.000
Compressed Week	.056	.065	.076	.860	.392
Flexible Working Hours	.500	.069	.642	7.288	.000
Telecommuting	.064	.075	.071	.857	.394

Dependent Construct: Faculty Satisfaction

Table 6 indicates that there is no statistical influence of compressed week on human resource retention in AAU; Beta = .039, P = .706 as a result, hypothesis H2-1 is rejected. Also there is no statistical influence of telecommuting on human resource retention; Beta = -.085, P = .380. Thus, hypothesis H2-3 is rejected. Whereas, there is a statistical influence of flexible working hours on human resource retention; Beta = .497, P = 0.000. Therefore, hypothesis H2-2 is supported.

Table 6. Multiple Regression Analysis for Influence of Flexible Working-Time Arrangements on Human Resource Retention

Model	Un-standardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	1.422	.616		2.308	.024
Compressed Week	.036	.095	.039	.379	.706
Flexible Working Hours	.485	.100	.497	4.868	.000
Telecommuting	.096	.109	.085	.882	.380

Dependent Construct: Human Resource Retention

5. Conclusion

The aim of present study is to measure the influence of flexible working-time arrangements on faculty satisfaction and human resource retention in AAU. The conclusions of the study are:

-The perceptions of faculty about all items of the flexible working-time arrangements were high except the paragraphs relating to uploading of courses materials on e-learning system from home, and interacting with students on the e-learning system from home, which the relative importance of each was moderate.

This may be because AAU was late in applying e-learning system to the second semester of the academic year 2004/2005, therefore, some faculty skills are still limited in the use of e-learning system and interact with students on the discussion board from home.

-The perceptions of faculty about the items of faculty satisfaction were high except the paragraphs relating to satisfaction with the system of incentives, compensation, promotion, and the opportunities of participation in decision-making which the relative importance of each was moderate.

The reason might be because AAU did not develop an attractive incentive and compensation systems due to the difficult financial conditions of the past three years, resulting from the low numbers of AAU students for several reasons including transition to permanent site, government policies in reducing the number of high school graduates, admission students policies of Higher Education Ministry that give public universities number of students more than its capacity, and AAU high standards of promotion criteria which are more difficult than other Jordanian public and private universities, which reflected on the satisfaction of faculty members on the promotion system. AAU also initiated several fast plans for development, some faculty members may be felt that decisions taken centrally and they do not have the opportunity of making important decisions in university.

- The perceptions of faculty about items of human resource retention were high except the paragraphs relating to university attention to job security, salaries relative to competitive universities, additional benefits, and career planning which the relative importance of each was moderate.

The reason for this might be because AAU is trying to retain only distinguished university faculty, and searching to attract distinct competencies rather than faculty members with low performance that do not comply with the measurements of the university in the entrepreneurship and excellence. Moreover, a lack of university funding to establish a competitive compensation and benefits systems, Furthermore, university may be believe such as other organizations that career planning is a responsibility of the faculty member himself.

-There is no statistical influence of compressed week and telecommuting on faculty satisfaction and human resource retention.

-There is a statistical influence of flexible working hours on faculty satisfaction and human resource retention. This result is consistent with the study of Kalpana (2013) that flexible

time schedules contribute in improving job satisfaction. This result is also consistent with the findings of a number of researchers (Armstrong et al, 2007; Kelly & Moen, 2007; Hill et al., 2006) that giving more flexibility to employees improves ability of firm in retention management.

6. Implications

The research implications are;

1-Since there is a positive influence of flexible working hours on both of faculty satisfaction and human resource retention, it is necessary to pay more attention to develop faculty skills and attitudes in the use of e-learning system and interact with students from home.

2- AAU is advised to pay more attention to develop supportive incentives, compensation, career planning and additional benefits systems in line with the university's vision of entrepreneurship and excellence to enable the university to attract faculty and retain them.

3- Modify faculty promotion system in accordance with the University of Jordan faculty regulations as approved to be applied in AAU according to Jordanian Universities Act through reducing terms that make the promotion system in AAU more difficult than University of Jordan and other public and private Jordanian universities. This might make faculty member feel in fairness when comparing faculty promotion criteria in AAU with other national universities.

4- Continue to apply flexible working-time arrangements on faculty members due to the positive effects on satisfaction and retention of faculty members at the university.

7. Limitations

Since the data was gathered from one university, generalizability to other universities and firms might be restricted. Therefore, further studies is recommended to be conducted on the constructs of flexible working-time arrangements, job satisfaction, and human resource retention at other universities and companies in Jordan.

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