THE EFFECTIVENESS OF A PROPOSED DESIGN OF A VIRTUAL WORKING ENVIRONMENT FOR THE DEVELOPMENT OF ACADEMIC COMMUNICATION SKILLS AND THE PROMOTION OF THE CULTURE OF QUALITY AMONG THE FACULTY MEMBERS OF THE FACULTY OF EDUCATION, JAZAN UNIVERSITY

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Certainly the using of information and communication technology systems (ICTS) in the designing and developing of the work environment is one of the success indicators when assessing the powerful of institutional performance, and also satisfaction of employees about the way of decision-making, as well as evaluating performances.
A lot of faculty members whose working in many Arab universities suffer from a lack in the development official of a virtual working environment among them which causing a number of negative effects such as a followed:

- weakness of motivation towards the development of teaching and learning process.
- Cooperation in the development of research projects
- weakness of Sharing in the remodeling process of the scientific program mapping in departments that they work.
- low level of satisfaction about the quality assurance of institucional performance as a whole
Relevance and rationale

The importance of the current research in seeks to develop a working environment of faculty members in educational institutions based on information and communications technology, qualitative characteristics of the nature of the work of a faculty member, and theories of work design.
- Faculty members come from different countries and have different cultures and scientific background, so (VWE) can help to achieve convergence, integration and coherence among members by improving communication skills.

- Virtual work environment probably provide a high level of interaction between faculty members in the discussion and holding scientific meetings and facilitators in sharing files and tracking reports and chat, Synchronized team projects tasks.
“Fig.1”: macro level of a proposal work design of staff members
Micro design

“Fig.2”: micro level of a proposal work design of staff members
HYPOTHESES

• There was statistically significant differences at the level of (0.05) between degrees of pre and post applied of a scale academic communication skills”

• “There was a statistically positive relationship between the use of the proposed design of the work environment and promoting the culture of quality faculty members”
METHODS

1- Participants

The participants consisted of (22) male faculty members from different academic departments and PhD holders

2 - Measures

-The scale of academic communication skills

-The questionnaire of promotion of the culture of quality
Scale dimension

- Files
- Forms
- Reports
- courses teaching
- Sharing
- Discussion
- Data-representation
- Broadcasting
- Cooperating
- Guiding
- Informing
- Requesting
- Answering
- Diagrams
- Sketching
- Figures
- Power points
- Processes
- Cases
- Decisions
- Tasks
- Seminars
- Meetings & workshops
- Editing documents as a team
- The distribution of roles and tasks

“Fig.3”: Scale Dimension
### RESULTS

<table>
<thead>
<tr>
<th>All dimensions</th>
<th>Mean</th>
<th>N</th>
<th>Std</th>
<th>t</th>
<th>Sig.(2-tailed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>post</td>
<td>118.18</td>
<td>22</td>
<td>152.42</td>
<td>2.17</td>
<td>0.041</td>
</tr>
<tr>
<td>pre</td>
<td>47.72</td>
<td>22</td>
<td>9.47</td>
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<td></td>
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</tbody>
</table>

Table (1) showed statistical significant differences (t=2.17, p=0.041) between the pre and post results of the scale was favoring the post in all dimensions, which means the effectiveness of virtual work environment at level (0.05) in the development of academic communication skills between participants.

<table>
<thead>
<tr>
<th>Dim (broadcasting)</th>
<th>Mean</th>
<th>N</th>
<th>Std</th>
<th>t</th>
<th>Sig.(2-tailed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>post</td>
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<td>22</td>
<td>2.27</td>
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<tr>
<td>pre</td>
<td>15.45</td>
<td>22</td>
<td>4.05</td>
<td>1.073</td>
<td>0.296</td>
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</tbody>
</table>

Table (2) showed statistical no significant differences (t=1.073, p=0.296) between the pre and post results of the scale wasn't favoring the post in broadcasting dimension.
“Fig. 4” participants’ responses to the questionnaire of promotion of the culture of quality
DISCUSSION

Differences of statistically significant at the level of (0.05) between the applied pre and post the scale of communication skills in the dimensions of the sharing, and the data-representation, discussion, and cooperation means the effectiveness of the proposed design in the development of academic communication skills, reasons as follows:

- Easy transfer of knowledge and save time
- Increased productivity

Explanation of the lack of statistically no significant differences at level (0.05) on the effectiveness of the proposed design on broadcastings as a communication reasons for that as follows:

- Members preference to voice communication face to face and not through private electronic environments in scientific seminars
CONCLUSION

-The using of virtual environments in enhancement of the interaction between the employees one of the most important indicators of the powerful of the institution

-Abbreviating red tape complex in tasks work and continuous assessment of the aspects of institucional weakness and the speed of decision-making about treatment

- Need to prepare a several research about the effectiveness of using virtual environments in the management of research projects and prepared the self evaluation studies and achieve job satisfaction about the institution, and measuring the communication between the leadership and members of the Academy faculty.
Samples Of Screen Captures From Groove

design department work spaces
Welcome to the Forms Tool

The Groove Forms Tool lets workspace members fill out custom documents (forms) which are displayed in custom lists (views).

Click "Start Here >" to start creating the design elements of a new tool application. If you want, you can save the application as a new tool that you and others can add to any workspace.

Did you know...
You can share this workspace with someone. Type an e-mail address or contact name below to send an invitation.

Issue Tracking

Title
file management

Category

Original Report
Current Status

Entered by: rafiklbarbary

Originated by: Organization

Description:

Chat

Common Tasks

Turn Off Tool's Unread ...
Add Tools
View Workspace Properties
Invite My Other Computers

Save
Save and Create Another
Reset
Cancel
Print

Contrast View

Current View: All
Thanks for listening
rafik elbarbary