Using Blogs to Facilitate Interactive and Effective Learning: Perceptions of Pre-service Arabic Teachers

Abstract

This study had a two-fold aims; (i) to investigate pre-service teachers’ perceptions of using the blog as a tool for enhancing their learning to teach Arabic language, and (ii) to identify the defects of collaborating via the blog and how to modify the use of blogs to facilitate effective learning.

Semi-structured interviews with 14 pre-service teachers in addition to analyzing postings on the course blog were the used methods for collecting data. The findings showed that the participants perceived the course blog as a powerful tool to enhance their learning through facilitating active interaction with the instructor, peers and course content. However, the results indicated a number of challenges and defects associated with the blog use for instructional purposes. Discussion of these defects was explored, and suggestions for effective use of blogs were provided.

Key Words: Blogs, Arabic language, technology, blended learning, pre-service teachers.

Introduction

The increasing use of Web 2.0 applications in teaching and learning seems to suggest that teaching the millennial generation may be fundamentally different from traditional approaches. These technologies challenge the conventional conception of pedagogical practices, social space, social practices, and schedules (Brewer & Klein, 2006). Web 2.0 as a term refers to the second generation of web technologies that is characterized by user communities and a wide range of services, including social networks, blogs, wikis groove, RSS, and podcasts. Such applications encourage collaboration and efficient exchange of information among users (Master Base, 2010).

Educational literature revealed that Web 2.0 applications have the potential to promote active involvement among students who would be driven to the knowledge construction process (Driscoll, 2002). Moreover, it could develop critical thinking or deep learning through applied and reflective activities (Bransford, Brown & Cocking, 2000; Driscoll, 2002; Karl and James, 2006). Blogs are one of the popular examples of web 2.0 applications. A blog is an interactive homepage that displays asynchronously developed serial entries, by employing simple user interfaces and allowing users to easily maintain content or add new dated entries, with the advantages of inserting text, graphics, video and audio (Lai & Chen, 2010; Deng & Yuen, 2011). The blog was defined by McIntosh (2005) in the following way:

“Historically, a weblog, or ‘blog’ for short, is recognized by its regularly updated, time and date stamped posts, running down the computer screen in chronologically reverse order (i.e. the most recent post comes first). Crucially, there is an ‘Add Comment’ feature so that readers of posts can
leave their opinions, questions or thoughts. Finally, there is a writing style element: blogs are written by one individual who gives his or her thoughts in a generally relaxed, ‘spoken’ style” (p. 2).

Kim (2008) considered blogs as an effective replacement for all computer-mediated communication (CMC) applications to language learning. In this regard, Halic, Lee, Paulus, and Spence, (2010) claimed that:

“The popularity of blogs among young people has made them tempting to educators seeking to integrate computer-mediated communication (CMC) tools at university level. These tools are seen as having the potential for enhancing student engagement and providing an environment for collaboration and creation of knowledge” (p. 1).

In comparison with other web 2.0 applications, a blog has a number of common features including (1) creating a type of website in an easy, cheap and quick way; (2) organizing content chronologically backwards and by postings which are usually short and frequently posted; (3) allowing readers’ voices to be heard through a “comments” feature; (4) instant publishing to the web without having to learn HTML or use a web authoring program; (5) viewing related links; and (6) clearly presenting author’s voice and personality (Wu, 2006).

Blogs can be used in teaching and learning for writing reflections on lectures and presentations given in class; as a continuation of classroom discussion; case study discussion, raising questions and answers about processes, procedures, assignments, activities, and topics not addressed during class sessions; and as a resource center for sharing teaching and learning aids. In language learning, blogs have been experimentally used as tools to develop writing and reading comprehension skills. Although implications indicate that blogging should not replace face-to-face interaction, it may provide a practice environment where students can think, reflect, and improve language slowly for a real-life audience (Pinkman, 2005).

Although the blended learning approaches that integrate web 2.0 applications into traditional classes have continued to grow rapidly, it is still at an infant stage of development where the challenge of internalizing such knowledge requires significant amount of time, effort, and planning. In addition, there are inconsistent results in terms of effective blog use in educational contexts. While several studies (Blackstone, Spiri & Naganumalogs, 2007; Ellison & Wu, 2008; Fageeh, 2011; Luce-Kapler, 2007; Lou, Wu, Shih & Tseng, 2010; Pinkman, 2005; Yang, 2009) have shared a common finding related to the effectiveness of the use of blogs in creating a new rich, engaging, and interactive educational platform supporting student learning and reflections; on the other hand, some studies have indicated that blogs integration technology was unproductive in terms of interactivity among students (Divitini, Haugalokken, & Morken, 2005). Thus, there is a need for further studies to support many of the assertions made about the benefits of blogs use in promoting more active and interactive learning in blended courses. More specifically, researchers and educators need more understanding of how teachers and
students perceive and react to blog applications applied to enhance teaching and learning in traditional classes. Moreover, focused efforts are needed on how best to integrate blogs which can effectively enhance learning and improve achievement.

The Purpose and significance of the Study

Integrating blogs in teaching languages, especially in English classes, is one of the topics that gained a lot of attention in the educational literature. However, the research literature is limited in the area of integrating blogs in Arabic language classes. Given the fact that Arabic teachers faces a lot of challenges in teaching Arabic due to its difficulty, there is a vast need for innovative tools to deliver Arabic language, a tool that attracts students and effectively engages them in the learning process at the same time. In contributing to the body of the research literature, this qualitative study investigated pre-service Arabic teachers’ perceptions of using blogs as an interactive tool for enhancing their learning to teach; it also evaluates the pros and cons of collaborating via blogs and how to modify the use of blogs to facilitate more interactive learning.

Molebash (2004) argued that pre-service teachers’ perceptions influence their teaching of specific subjects and their decisions of integrating technologies. In this regard, Johnson (2007) stated that understanding pre-service teachers’ perceptions of their own learning while using technology will help researchers and teachers’ educators to gain insights into the relation pre-service teachers make between the theory of using technology for learning and what they actually do in real-life situations. Thus, a clear understanding of pre-service teachers’ perceptions regarding blogs will advance researchers’ understanding of how technological applications can best enhance teaching and learning for teachers’ educators and pre-service teachers through creating meaningful learning activities and tasks that meet the learning needs and interests of learners. In addition, the findings of the study will provide a contribution to the literature of using blogs as an interactive learning tool in terms of understanding their motivation to use it, and the problems they face when using it.

The Research Questions

- What are the pre-service Arabic teachers’ views of the course blog as an interactive learning tool?
- What are the pre-service Arabic teachers’ perceptions of the cons of collaborating and interacting via blogs?
- What are pre-service Arabic teachers’ suggestions to improve the strategies in which the course blog are used to facilitate interactive learning?

Literature Review

With technology being more accessible to teachers and students, it is crucial to explore the applications of new technological tools to find practical pedagogical solutions to language learning problems and to enhance teaching and learning of language in general.
The integration of text-based asynchronous applications, such as blogs, discussion board, emails, and wikis into language classes may contribute to facilitate this process by allowing students to actively participate in the learning process. They can explore and reflect upon their learning, as well as interact with peers, teachers and content (Castaneda, Ahern, & Díaz, 2011).

Blogs are one of the emerging technologies often employed by educators to facilitate communication and collaboration among students (Divitini, Haugalokken, & Morken, 2005). It is a form of personalized online media or a personal online journal that introduces oneself to others, allows individuals to interact, and shares personal thoughts, information, pictures, movies, activities, and logs in a convenient and easy way (Lou, Wu, Shih & Tseng, 2010). The theory of blogging instruction is based on constructivism, where instruction is designed to be learner-centered that motivates students to learn, provide variety of active learning opportunities, enhance interaction between students and the instructor and among students themselves, and adopt interactive instruction and multiple assessments (Ku, 2007; Lou, Wu, Shih & Tseng, 2010).

Similarly, while analyzing the findings of a series of interviews with bloggers in the Stanford University area, Nardi, Schiano, Gumbrecht, & Swartz (2004) noted that blogging resulted in creating a sense of community that would be less likely to emerge in a conventional classroom setting. Dieu (2004) emphasized this by stating that blogging gives the learner a chance to “maximize focused exposure to language in new situations, peer collaboration, and contact with experts” (p. 26). Within this context, students are required to communicate closely with a particular group of classmates. Moreover, the communication can be instantaneous (during class time) or at their leisure time. This combination of planned and spontaneous communicative exchanges inside and outside the classroom makes blogging a meaningful and engaging social exercise (Blackstone, Spiri & Naganumalog, 2007).

On the contrary, some studies revealed that integrating blogs into teaching and learning contexts has failed to motivate students to become involved in the learning activity (Divitini, Haugalokken, & Morken, 2005; Williams & Jacobs, 2004). According to Williams and Jacobs (2004), Sixty-six percent of participants who did not participate in blogs said they did not find the activity worth participating, or were not sure whether the activity would help. Similarly, a study conducted by Xie and Sharma (2004) revealed negative and positive ideas regarding blog use. While students considered blogs as a helpful tool for learning and thinking, they were uncomfortable with the fact that their views and comments would be available to everybody in the classroom giving them a feeling of insecurity.

Along with these contradictory results associated with the effectiveness of blogs in enhancing interactive learning, it is important to keep in mind that the efforts of effective technology integration in schools are of little value if they do not take the pre-service teachers and in-service teachers into account. Research literature has suggested that if teachers believed that technology does not fulfill their own and their students’ needs, then most likely they will attempt to implement it into their classes (Johnson, 2007; Molebash, 2004). According to Schellens, Van Keer, & Valcke (2005), individuals’ perception of a
learning task defines the challenge, difficulty, and the balance of motivation necessary to address it.

Concerning the perceptions towards blog use, Shoffner (2006) focused on the importance of blogs in reflecting learners’ ideas. In his qualitative study, blogs were used as an interactive ground where pre-service teachers reflected their ideas on learning. Through analyzing learners’ logs, focus group interviews and individual interviews, it was found that pre-service teachers considered blogs as a potential tool to reflect their ideas appropriately. Participants indicated that this potential was also empowered by blogs’ ability to be accessed through Internet, and their efficiency to support interpersonal communication.

Similarly, Wang, Hsu and McPherson (2006) investigated the effects of blogging on pre-service teachers’ awareness of diversity in a literacy/reading context. The analysis of quantitative and qualitative data collected from 24 pre-service teachers revealed that blogging: (1) allows to share knowledge and experiences as well as express feelings and thoughts, (2) enables to be aware of peers’ opinions and confronting perspectives, (3) facilitates and deepens reflective practices, (4) bridges the disconnection between theory and practice, and (5) provides a learning environment where there is no restraint on time to think over the discussion topics compared to in-class discussion.

Kuzu, (2007) investigated the impact of course blog on supporting instruction and sustaining social interaction. Semi-structured interviews were conducted with 10 pre-service teachers in Information Technology in Education course (ITE-1). The results of the study indicated that pre-service teachers’ views regarding instructional use of blogs were primarily positive. They concluded that blog use empowered their social interaction with their peers and the course instructor.

In their attempt to identify the critical factors for designing successful courses with blogs, Demirel, Duman, Incesu, and Goktas, (2008) aimed to describe pre-service teachers’ perceptions and experiences of using a blog in a web-based course. Data were collected through open-ended questions from 25 pre-service teachers and through interviews with five pre-service teachers. Results indicated that pre-service teachers enjoyed blogging and felt complemented. It also enriched their pre-service education. According to participants, blogs could be used as a tool of communication, motivation, sharing documents, ideas and comments, especially to get feedback from instructors or/and peers. But they have negative perceptions about some limitations of blogs like templates and memory field.

In another study, Yang (2009) explored the use of blogs as a reflective platform in the training processes of English as a Foreign Language (EFL). Forty-three pre-service teachers made use of blogs as a platform to critically reflect on their learning processes as well as to gauge the impact of blogs on their own professional growth. The data consisted of participant’s postings, surveys, and group reflective dialogues recorded by instructors in class meetings. The results showed that the participants actively discussed teaching
theories and their implications through blogs, and they considered blog as a useful platform for reflecting and communicating with each other.

In terms of studying the effect blogs bring to language instruction, Lou, Wu, Shih and Tseng (2010) conducted an experimental study to examine the impact of adopting blogging upon Chinese language composition instruction in a vocational high school in Taiwan. Forty students were randomly selected to serve as participants. The results revealed that utilizing blogging in Chinese language composition can positively enhance students’ composition learning; and facilitate more effective instructor-student interaction, which enhances participants’ learning motivation and compositional ability. Moreover, participants possessed a positive attitude toward the instructional model of using blogging in Chinese language composition instruction.

In a similar study, Fageeh (2011) sought to identify the effectiveness of blogging in developing writing skills and improving attitudes towards English learning. Participants were Writing Class students in a college in Saudi Arabia. An experimental research method and a descriptive research design were employed to answer the research questions. The findings indicated that the students perceived blogging as a beneficial tool for developing their writing proficiency and their attitudes towards writing. They noted that using a blog gave them an opportunity to freely express their ideas and thoughts in English, write for a wider audience, and maintain an interactive relationship with a real time readership.

The literature review shows that pre-service teachers considered blogs an advantageous learning tool that may lead to a number of positive effects on the teaching and learning process, where learners enjoy a high level of autonomy and opportunity for greater interaction with the peers and instructor. But like any other medium, blogs have some shortcomings such as the feeling of insecurity that participants expressed. Al-Fadda and Al-Yahya (2010) raised other issues that limit students’ interaction and collaboration via blogs such as lack of time, class size, quality of students’ posts, and lack of instructor presence. This, in turn, suggests that the key to success in adopting blogs rests not on the content being presented, but indeed on the method by which the content is being delivered. Thus, it is critical to know how this success can best be achieved. Pre-service teachers can provide valuable insights by describing their perceptions of the impact of blogs technology on learning that might lead educators to create efficient, flexible and interesting blogging activities.

**Research Context and Participants**

This study was carried out at Al Ain University of Science and Technology (AAU) in the United Arab Emirates (UAE) as a response to the encouragement from its administration to faculty members to adopt modern technology as an integral part of their instruction methods. The present case study was conducted at the Program of Professional diploma in Teaching which aims to help teachers with a bachelor degree from faculties other than the Faculty of Education itself to obtain professional preparation.
An educational blog was created as a new and additional component to Methods of Teaching Arabic course (EDU 532) over 14 weeks. In addition to the daily face-to-face class meetings, students were requested to make both collaborative and individual weekly contributions to the course blog supported by Google Blogger. The course instructor prepared the students to use the different capabilities and functions of the course blog. The blog tool was mainly adapted for allowing pre-service teachers to post educational and meaningful content related to Arabic language teaching and learning, support their posts with resources (videos, audios, pictures, websites,…etc), discusses course content, generate questions, reply to questions, and comment on daily lectures.

In order to promote pre-service teachers to engage in productive interaction and in-depth discussions rather than random postings, they were asked to meet specific posting requirements as described in a set of guidelines and an evaluation form that were distributed at the beginning of the semester. The guidelines included the following:

- Contributions should be related to EDU (532) course syllabus.
- Contributions should include new ideas, opinions and critical thinking, rather than focusing on repeating, describing or summarizing others ideas and thoughts.
- Each pre-service teacher is expected to post at least two messages per week.
- Replying to the instructor and peers’ questions should be within 24 hours.

The goals of the previous blended design were: enhancing pre-service teachers’ learning to teach Arabic language by fostering interaction (student-student, student-instructor, and students-content), contributing to a critical understanding of the course material, and providing a platform where mutual support and social cohesion could develop. The course instructor’s role included responding to students’ questions, giving feedback, providing additional ideas and concepts. He produced 28 records under different titles where 21 of them were enriched with students’ ideas and comments. In addition, the instructor was responsible for evaluating students’ messages based on the provided criteria.

Due to the fact that almost all UAE universities provide separate sections for males and females, The investigation covers all female pre-service Arabic teachers (n = 68) registered into three sections of EDU 532 during the first semester of 2010/2011. In sampling participants for the study, 14 female pre-service teachers originally were selected randomly using a list of students’ names. They were personally contacted by the second researcher to request participation. Fortunately, all selected pre-service teachers accepted to participate in the study.

**Data Collection and Procedures**

Two types of data collection methods were used. They were semi-structured interviews and analysis of participants’ posts on the course blog. Interviews were employed to obtain in-depth perspectives, personal stories, and personal contexts of the participants. Pre-services’ posts were used to support the findings of the interviews by identifying what students did and what they valued. The interview questions were developed from
the literature review, research questions, in addition to the researchers’ experience in the field. They dealt with the following areas of inquiry:

- Pre-services’ views of blog as a tool to enhance interactive learning;
- Pre-services’ views of the pros and cons of collaborating and interacting via blogs;
- Pre-services’ views of the required assignments related to the course blog use, and;
- Pre-services’ views of the suggestions for modifying the use of blogs in teaching and learning.

The interview questions were submitted to a panel of experts in the fields of curriculum and Arabic instruction, instructional technology, and research and evaluation to judge the questions quality and adequacy for answering the research questions. This led to further revisions and modifications. In addition, the second researcher interviewed three pre-service Arabic teachers not participating in the actual study, which helped to further rephrasing of the questions.

According to Hitchcock and Hughes (1995), one of the important elements of successful qualitative research is establishing strong and effective relationships between the researchers and participants. This requires developing a sense of friendship between them that leads to trust and confidence. Consequently, it helps the researchers to get more information from participants and ensure confidentiality. Therefore, an orientation meeting was held with all participants to explain the purpose of the study, and the data collection details to ensure confidentiality, and to get pre-service’ approval to use their comments for scientific research. Each interview lasted for 15 to 34 minutes. The substantive phases of data collection were audio-taped and transcribed into Arabic in which participants communicate. Recording interviews assured having the most complete record of what was said as advised by Hitchcock and Hughes (1995).

The secondary data collection method for this study was collecting participants’ posts on the course blog such as posted questions, answers and comments. Both the interviews transcripts and participants’ posts were transferred to a computer file. In addition, index cards were prepared for each question and the data were made ready for further analysis.

**Data Analysis**

Miles and Huberman’s (1994) data analysis guidelines were used. These guidelines include creating codes for the field notes, noting any reflections or remarks in the margins, creating codes for identifying similar patterns, themes, and common sequences in the data set, and creating a set of generalizations that derive from the available data. Additionally, the researchers followed the data reduction method by eliminating all information that was not relevant to the research questions, summarizing ideas, categorizing similar patterns, and paraphrasing stories.

As a result, categories in the data grew more evident. Later, the qualitative research tool Hyper Research (http://www.researchware.com/) was used to help manage the data by
following two steps. The first was setting up the major categories of interest such as interaction, effectiveness, satisfaction, knowledge construction, pros, cons, and modifications. Second, a constant-comparison approach within these categories was employed to determine the sub-categories, properties, and relationships existing in these categories (Glaser & Strauss, 1967).

The internal and external validity are two important elements to judge the value of a qualitative study. Internal validity in qualitative data is defined as pertaining to how closely the findings match reality (Merriam, 1998). In this study, internal validity was conducted by using, peer debriefing techniques and member checking to validate the descriptions of the data and the interpretations. On the other hand, external validity is “concerned with the extent to which the findings of one study can be applied to other situations” (Merriam, 1998, p. 207). It can be increased through rich and thick description. In this study, attempts were made to provide as much thick description as possible while addressing all of the diverse aspects of our findings by utilizing quotes from the interviews.

**Results of the Study**

**Pre-service Arabic teachers’ views of the course blog as a learning tool**

Based on the analysis of data collected from participants, it was concluded that pre-service Arabic teachers perceived the course blog as primarily positive in terms of potentiality to enhance their learning to teach Arabic language. Among 14 participants, 11 (79%) indicated that the course blog has a number of educational benefits. Most notably is promoting collaborative and interactive learning communities that led them to develop better and faster understanding of the course content; remember and retain more information; enhance their social interaction; and improve their learning and critical thinking skills.

More specifically, the findings revealed a total of 35 positive opinions and comments regarding the blog use. These opinions were summarized under six themes including (a) fostering effective interaction with the instructor, peers, and the instructional content, (b) experiencing an attractive and interesting learning environment, (c) accessing to variety of learning resources, (d) allowing more time to think, reflect and respond, (e) discussing interesting or complicated topics in details, and (f) breaking down the barrier of shyness. The themes, frequencies and percentages are presented in Table 1.

<table>
<thead>
<tr>
<th>Themes</th>
<th>Frequency</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Fostering effective interaction with the instructor, peers,</td>
<td>12</td>
<td>34%</td>
</tr>
<tr>
<td>and the instructional content</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experiencing an attractive and interesting learning</td>
<td>8</td>
<td>23%</td>
</tr>
<tr>
<td>environment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accessibility to a variety of learning resources</td>
<td>5</td>
<td>14%</td>
</tr>
<tr>
<td>Allowing more time for thinking, reflecting and</td>
<td>5</td>
<td>14%</td>
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This previous findings were evident in the participants’ typical responses, such as:

- “The course blog was really beneficial for me. It enhances my learning to teach Arabic language by allowing me to understand the course content in a better and deeper way. I had the opportunity to discuss what we studied in class and inquire about what I did not understand. The course instructor and my peers were always there to help me clarify things.”

- “Using the course blog helped me improve my learning as well as increase my interest in the course. Blogging is very different from face to face instruction. It allowed us to discuss and share what we learn in class in a more enjoyable and interesting environment. I really enjoyed reading others thoughts and browsing posted links to expand my knowledge and understanding of issues related to teaching Arabic language.”

- “This was the first time I use online technology to learn. One of things that I appreciate in such environment is the access to additional and supplementary materials and learning resources provided by the instructor or peers. Learning from different resources helped me to think more critically and see things differently.”

- The asynchronous nature of blogging was beneficial for me. Its major advantage is giving me more time for reading, thinking and reflecting before posting my answers. The process of writing responses enhanced my contributions to the course discussions. Unlike speaking, with writing there is plenty of time to think and correct myself before posting the final response. In addition, there is no reason to be shy.”

- “What I actually like about blog use is providing us with the opportunity to discuss all topics that we covered in class, what we could not cover, what we understood, and what we could not understand. There is a plenty time to engage in deep and rich discussions of complex, interested and related issues without hesitation, shyness or being afraid of wasting the class time.”

The previous finding generated from interviews conducted with participants was supported by analysis of all participants’ posts on the course blog. During the 14 weeks of the study, participants posted 439 posts which were categorized under six major themes. They were (a) responding to peer’s questions, (b) responding to instructor’s questions, (c) posting related and supplementary materials, (d) asking questions, (e) commenting on lectures or presentations given in class, and (f) inquiring about explanations and clarifications. The themes, frequencies and percentages are presented in Table 2.

<table>
<thead>
<tr>
<th>Theme</th>
<th>Frequency</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>responding</td>
<td>3</td>
<td>9%</td>
</tr>
<tr>
<td>discussing interesting or complicated topics in details</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breaking down the barrier of shyness</td>
<td>2</td>
<td>6%</td>
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Table 1: Positive Themes Regarding Blog Use
<table>
<thead>
<tr>
<th>Themes</th>
<th>Frequency</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Responding to peer’s questions</td>
<td>141</td>
<td>32%</td>
</tr>
<tr>
<td>Responding to instructor’s questions</td>
<td>94</td>
<td>21%</td>
</tr>
<tr>
<td>Posting related and supplementary materials</td>
<td>78</td>
<td>18%</td>
</tr>
<tr>
<td>Asking questions</td>
<td>55</td>
<td>13%</td>
</tr>
<tr>
<td>Inquiry for explanation and clarifications</td>
<td>40</td>
<td>9%</td>
</tr>
<tr>
<td>Comments on lectures or presentations</td>
<td>31</td>
<td>7%</td>
</tr>
</tbody>
</table>

Table 2: Themes Regarding Participants’ posts

On the other hand, three participants (21%) provided negative comments regarding the use of the course blog as a tool to learn teaching Arabic language. They indicated their preference of face to face environment in comparison to blogs. As pointed out by a participant: “Why should we use such complicated tool which requires more time and effort to participate, I like face to face learning where you can get an immediate feedback.” Another participant mentioned “I do realize that technology is an essential part of teaching and learning in my future career. However, I do not think that blogging is a good choice. If I have to use technology to contact the instructor and my peers, I prefer to use my personal email. It is easier and more private.”

Pre-service Arabic teachers’ views of the cons regarding the use of the course blog

Like any other technological application, utilizing blogs in education has its defects. In order to identify these defects from pre-service Arabic language teachers’ point of view, Participants were asked about the cons and defects of collaborating and interacting via the course blog. Participants raised several concerns and issues including: extra workload, nature of students’ responses, need for high level of technological skills, lack of immediate feedback, and lack of security and privacy.

Out of 14 participants, 12 respondents (86%) indicated that the use of the course blog had a major impact on their workload. They concluded that the amount of required work has dramatically increased as a result of adding more tasks to their workload. They were required to read a lot of materials, summarize, think, browse the Internet, download and upload related materials, and type responses and comments. Such activities need considerable amount of time and effort. This concern was evident in the participants’ typical responses, such as:

- “Blogging has many advantages for me, for instance, it enabled me to read several perspectives and opinions. However, reading others’ comments needs a lot of time and effort which I did not have. My schedule was always booked with other requirements.”
- “One of the blogging defects is increasing my workload. Reading my classmates’ numerous posts, summarizing them and formulating my own response is a lot of work. In addition, I’m a slow typist needing much time and effort to type the required assignments.”
• “I’m so happy with the idea of implementing blog technology in my learning to teach. It has positively impacted my productivity. However, the success in this new environment needs a lot of effort, as there are lots of things to be done.”
• “Actually, using the course blog increased the burden of my study. As a student, I’m looking for something that helps me without increasing my workload. Unfortunately, using blogs in education means extra work, effort, and time to learn using this new application.”

Related to the first concern, 11 participants (79%) noted that the nature of students’ responses presented an important defect of blog use. They reported their frustration of reading the same idea being repeated because some students tend to copy what other students have posted without giving different opinions or perspectives. The following typical participants’ responses give a good description of this issue:

• “Some students post others’ comments with minor changes. It means that you spend huge effort and time in reading the same thing many times. In this case, blogging is boring, time consuming and strenuous.”
• “There should be different ways to exploit our effort rather than feeling boredom of reading repeated and irrelevant comments.”
• “The bad thing about this issue is spending much of your energy on reading disconnected ideas. I noticed that some of my classmates posted their responses only to get the participation grade without paying any attention to the quality of their posts.”
• “Most of the posted opinions are very short.”

The analysis of students’ postings supported this finding. It was noticed that the same idea is being written repeatedly. For example, in responding to one of the instructor’s questions “what is the best teaching technique to teach students how to conclude the main ideas of the lesson?”, nine participants posted the same answer which was “collaborative learning is recommended technique.”

In regard of the third defect, the need for high level of technological skills, it was raised as a major defect of using the course blog. As perceived by nine pre-service Arabic teachers (64%), the lack of skills of mastering and utilizing new technology presents an important challenge to achieve the positive results of blogging activities. Nine participants admitted that they do not possess the adequate skills and ability to apply the new technological applications effectively. One participant explained this issue by saying: “Integrating blog in teaching and learning process is a powerful way that can motivate students and provide them with variety of information resources. But achieving such promised results requires high level of technology literacy and skills which actually I do not have. For example, although our instructor showed me how to upload a PowerPoint presentation, I could not upload it successfully.” Another participant said: “I believe in technology and its positive impact on teaching and learning. However, my experience in using computer technology is limited; I need a lot of effort, time and training before being able to communicate via the blog tool effectively.” One more participant expressed her feeling toward this issue stating: “Why should we have to use
this complicated application?!! The email is easier and more private to communicate and interact with each other.”

As for the fourth point, although students were required to reply to the instructor and peers’ questions within 24 hours, five participants (36%) considered this period of waiting for others to respond to their questions and requests as a defect of interacting via the course blog. They recommended adding synchronous tools such as instant messaging and video conferencing as they will enhance the effectiveness of technology integration in teaching and learning. Participants reported that synchronous tools in comparison to asynchronous ones will help them to engage in simultaneous dialogue and provide them with immediate feedback which is necessary to monitor the clarity and accuracy of their understanding. A participant commented “Personally, I like communicating via synchronous tools more than asynchronous ones. Synchronous format is just perfect in term of giving you an immediate response and feedback to ensure clear understanding of presented ideas.” Another participant said: “Waiting for responses for my questions was annoying. The lack of immediate feedback is a major shortcoming of the course blog. Students usually wait to the last minute to respond, you even need to put in your mind; it is possible that you won’t receive any response.”

Finally, some participants complained about the lack of privacy when posting on the course blog. Four participants (29%) indicated that they were uncomfortable with the fact that their questions, views and comments would be available to everybody in the classroom which gave them a feeling of lack of confidentiality. As evident, a participant expressed her feeling: “In every single time I posted something on the blog, I felt nervous as a result of the fact that my opinions will be read from all my classmates.” Another participant noted: “Unlike the course blog, sending an email to the instructor or to a classmate gives me a feeling of privacy. By email I could ask about anything without fear or timidity.”

**Pre-service Arabic teachers’ suggestions to improve the use of the course blog**

In this study, pre-service Arabic teachers were required to meet specific requirements as described in a set of guidelines and an evaluation form which were distributed at the beginning of the semester. During the interviews, participants were asked about their views of these used criteria and evaluate their contributions to the course blog. Participants provided mixed views about the effectiveness and efficiency of the criteria of blog use in term of enhancing their interaction and learning in this course. Eight participants (57%) considered these criteria as a powerful way to enhance their understanding and learning of the course materials. The following are some of the suggestions provided by the participants:

- “When the instructor talked with us about the course blog in the beginning of the semester, I got very scared of the complicated thing he was talking about. However, the criteria and guidelines used helped me a lot in implementing this amazing application. I can confidently say that two messages a week is more than enough to help a novice technology user like me to post good contributions.”
• “Although it was the first time to use blogs for learning purposes. I’m happy with that use. Being required to post new ideas and opinions had the advantage of making me think in a critical way.”
• “When I become an Arabic language teacher, I will use blogs in my teaching. In addition, I will use the great criteria that we were required to follow. It is fantastic in term of giving opportunity to all students to participate.”
• “I remember that one of the requirements was replying to the instructor or peers’ questions within 24 hours. I think this was a reasonable time limit.”

On the other hand, 6 participants (43%) expressed their dissatisfaction with the contribution criteria that used in this study. They concluded that these criteria were not detailed enough to help them write qualitative posts. In this regard, participants concentrated on five major suggestions to improve the effectiveness and efficiency of the blog use as an interactive learning tool. These suggestions were (1) providing them with evaluation criteria, (2) focusing on discussing specific issues, (3) deleting irreverent and repeated comments, and (4) providing them with technical support, and (5) allowing them to use assumed or nicknames instead of their real names. The following are some responses regarding these suggestions:

• “In many times, I did not know what and how much exactly should I write. Many things were missing in term of the used criteria. Knowing how much I’m required to write and how my responses will be evaluated would help me to give better responses.”
• “As a result of getting the same grade regardless the content of our posts, it was obvious that some students were posting only for getting the posting grade. This led to a huge amount of useless comments. I think having a clear evaluation criterion to reward the good responses would motivate students to pay more attention.”
• “Asking us to post about specific issues is more beneficial than posting general ideas. Discussing specific ideas is powerful in enhancing our critical thinking and reflection.”
• “Reading my peers’ comments before posting my response was significant to me, it helped me see things differently. However, reading others’ comments is cumbersome and boring. I was required to read tens of repeated and sometimes irreverent comments. I would suggest deleting all repeated and irreverent comments on a regular basis, which will save time, effort, and enhance the quality of the postings.”
• “This was the first time I use the blog tool. We were asked to perform many tasks. On a personal level, I did not have prior experience and knowledge of most of these things. Beside that, I faced a lot of technical problems during the semester. To succeed in such activities, we need someone to show us how to implement this application and to provide us with some technical support.”
• “I think one of the disadvantages of interacting via the course blog was forcing us to use our real names. Whenever I posted on the blog, I did not feel comfortable because my identity was revealed to all classmates. I think it would have been
better if the instructor gave us nicknames as it would have made us feel more comfortable.”

**Discussion**

The aim of this study was to investigate pre-service teachers’ perceptions of using the course blog as a tool for enhancing their learning to teach Arabic language. It also aimed to identify the pros and cons of collaborating via the course blog and how to modify its use to facilitate interactive and effective learning. Based on conducting interviews with 14 pre-service Arabic teachers and analyzing their postings on the course blog, some notable themes emerged that will be further explored.

Pre-service Arabic language teachers view the course blog as a useful and beneficial tool for enhancing their learning to teach. The participants’ self-evaluation of the impact of the course blog indicated that this tool has the advantage of improving learning and understanding of the course content through offering them a variety of instructional benefits. The positive participants’ view towards the impact of the course blog on improving learning and understanding is due to the opportunity for interaction and reflection the tool offered. Unlike traditional teaching where the instructor or a few students may dominate the discussion, the blog allows all voices to be heard. Even those students who may be intimidated by speaking in front of their peers, or those who need more time to respond are easily able to express their thoughts more freely and descriptively. As described by one participant: “The process of writing responses enhanced the quality of my contributions to the course discussions. Unlike speaking, writing provides plenty of time to think and correct my comments before posting it. In addition, there is no reason to be shy.”

According to Berge and Collins (1995), text-based communications have the power to enhance interactions through removing and diminishing barriers of participation such as lacking communication skills, cultural differences, and shyness. Interaction is a powerful facilitator for learning, and there is a relationship between the amount of interaction students have with course content and their performance. More specifically, interaction serves as a purpose of increasing participation & motivation, developing communication, receiving feedback, enhancing elaboration & retention, supporting learner, discovery& exploration, clarifying misunderstanding, and achieving closure (Wagner, 1997). Blogs involve all of the above functions and characteristics.

This finding is in agreement with the findings of other studies that focused on pre-service teachers’ perceptions of blogs such as Shoffner (2006), Wang, Hsu & McPherson (2006), Kuzu (2007), Demirel, Duman, Incesu, & Goktas (2008), and Yang (2009). For instance, Shoffener (2006) argued that the informality of blogs and their accessibility through the Internet are positive features to support informal reflection, a component of reflective practice produced by the interaction of practical theory, flexible structure, personal expression and communal interaction. Similarly, Yang (2009) considered the blog as a useful platform for reflecting and communicating that has the potentiality to enhance pre-
service teachers’ professional growth through allowing them to actively discuss teaching theories and their implications.

Although blogging environments have a more flexible and independent structure in comparison to traditional face-to-face learning environments, addressing problems occurred in such environments is relatively more difficult than dealing with the problems of traditional teaching. In this study, pre-service teachers identified a range of shortcomings that might limit the effective use of blogs for instructional purposes; including: (i) extra workload, (ii) nature of students’ responses, (iii) need for high level of technological skills, (iv) lack of immediate feedback, and (v) lack of security and privacy. To address these defects and problems of blogging instruction, pre-service teachers offered several suggestions for more effective, thoughtful, and reflective blog use. These suggestions were (a) providing evaluation criteria, (b) focusing on discussing specific issues, (c) deleting irreverent and repeated comments, (d) providing technical support, and (e) using nicknames.

Utilization of blogs in education is a type of providing online activities that require many resources to be introduced and delivered effectively. Online activities are neither just about using modern technology to replace the traditional classroom, nor are about posting content on the web to be downloaded and read. Online learning provides a new set of tools that adds value to the entire traditional learning environment from classroom experiences to learning from books. Delivering such activities effectively requires innovation, creativity, enthusiasm, desire, appropriate infrastructure, and adequate preparation for both teachers and students.

The effective use of blogs as an integral part of instruction requires precise planning and well preparation, in addition to availability of resources and arguments besides to prior planning of interpersonal interactions. Thus, teachers have the primary role in planning and implementation of blog activities. According to Kuzu (2007), teachers need to make decisions regarding more efficient, flexible and interesting uses of blogs in their course syllabi. In this aspect, Black (2005) offered some recommendations that can be followed for more thoughtful, reflective asynchronous discussion. They include the following:

- Specific guidelines, checklists, and rubrics regarding acceptable responses.
- Modeling of what constitutes a “reflective piece.”
- Well-designed open-ended questions and
- Requirement of specific connections made to the readings.
- Private notes to students who behave inappropriately or change the topic.
- Summary or wrap up of the discussion by the instructor or students.
- Accountability.

For pre-service preparation, providing experiences, primarily in instructional design, media selection, modeling exemplary technology practices, resource sharing, and extensive and sustained training and practice is a significant step to achieve good results in term of technology use. In this regard, it is crucial to realize that it is not enough knowing how to use technology; instead, pre-service teachers need to be knowledgeable of technology and self-confident to integrate it effectively. Getting the benefits of
technology in teaching and learning depends on knowledgeable and enthusiastic individuals who are motivated and prepared to utilize technology to achieve instructional purposes (Shamoail, 2005).

Pre-service teachers’ previous experiences with the blog use, their readiness for technology-supported instruction and their attitudes towards such a tool should be examined beforehand. It was obvious in some participants’ responses that they do not prefer the blog due to lack of skills and knowledge of using it lack of security and privacy. Addressing such issues may lead to fruitful learning outcomes.

**Conclusion and Implications**

The use of digital technologies in formal education has added flexibility to the teaching and learning process and offered opportunities for informal learning behavior. In terms of flexibility, the new technology can provide an interactive environment whereby students may contact each other, share information, ask questions, and test their abilities without any barriers. Blogs have been considered among these technologies that provide powerful technique for students learning through helping them to develop better and faster understanding of the course content; remember and retain more information; enhance their social interaction; and improve their learning and critical thinking skills. However, there is a number of challenges and defects associated with the blog use in instructional settings. In other words, the use of blog in education is a problematic issue due to technical or pedagogical factors. Meeting these challenges will define the effectiveness of the blog use as a means for supporting instruction.

Based on the findings of this study, a number of implications were offered in order to achieve a better result in term of using blogs to support teaching and learning in blended courses. First of all, educational institutions need to encourage and motivate faculty members to utilize blogs in their instruction. As mentioned earlier in this paper, the instructor plays a significant role in technology integration. So a combination of intrinsic and extrinsic motivating incentives should be offered to faculty members to enhance their use of technological applications such as blogs.

Second, pre-service teachers should be given the opportunity to familiarize themselves with and experiment new technology applications, share ideas and collaborate with each others on new technology projects and uses. Although participants in this study indicated that this was the first time to use blog for instructional purposes, they were happy with the new experience. Pre-service teachers should also be encouraged to participate in new technology evaluations that can support their own teaching and learning growth. Effective technology integration demands a strong commitment from both instructors and students.

Third, educational institutions should provide training programs for faculty members and students that focus on effective use of new technological applications. Participants indicated that among the defects of blog use were type of students’ responses, the need for high level of technological skills and lack of immediate feedback. These problems
could be due to the lack of experience in structuring and implementing blogging activities. Training programs could help faculty and students alike create and implement more meaningful online activities.

Fourth, addressing the challenges of the blog use is highly recommended. Many pre-service teachers may resist technology for many reasons, including lack of technological skills, and lack of time to learn, plan and practice. Addressing such issues surely will motivate them to integrate this technology more effectively.

Finally, this study has made some contribution to the research literature related to blog use; however, there is a need for further research to investigate other issues, such as the impact of blog on achievement in specific areas such as Arabic language, the effects of blog use on acquisition of language skills, students’ perceptions of learning blogs use, comparing between the use of blog and other media, and the ways of evaluating students’ postings on the course blog. Such studies may lead to more efficient use of blogs for instructional purposes.
References


