

Project:

Sudanese Secondary School Teachers Readiness  
Towards E-learning (ICT)

Teacher Questionnaire  
Khartoum - Sudan

Researcher

Sudan University of Science and Technology

## College of Graduates studies

### :Section one

#### Personal information

**Please tick (√) the answer of your choice.**

**Gender:** Male ( ) Female ( )

#### **Year of Experience in teaching**

1 –5 years ( ) 5---10 years ( ) 10 -15 years 15 -20 ( ) 20 and more ( )

**Area of specialty** .....

**Have you got computer in office** ( ) or in House ( ) in both house and office ( )

#### **Optional questions**

Write your email address .....

School web site.....

#### **Introduction**

The purpose of this study is to determine the various aspects contributing to e-learning readiness in schools and to investigate why some teachers contribute to e-learning readiness while other teachers' show resistance to this new technology and identify the barriers that obstruct their readiness towards e-learning .

Your contribution in this study leads to clear understanding of Sudanese secondary school teacher's situation towards e-learning and assist the research to draw exact picture which it may help in developing clear strategy towards e-learning in our country in order to cope with new innovation and catch the technological invention in education.

#### **I believe this study is worthwhile for the following reasons:**

- Light will be shed on the difficulties and barriers of ICT implementation.
- Policymakers in Sudan might get a better understanding of the teacher situation and build coherent strategic plans to implement e-learning in their schools due to definite results.
- The Ministry of education, training department, might take into consideration what effective teachers training means and how it could be implemented.
- Teachers will realize the importance of introducing ICT in their teaching strategies.

Be sure that all information gained from this study will be treated confidentially. The results of this study will only be use for academic purposes .and individual will not be identified at the report of the study.

## Section two

### Questionnaire questions

To determine the extent at which you accept or refuse to any of the terms below, please tick (✓) the answer of your choice.

No	Phrase	Strongly agree	Agree	Not sure	Disagree	Strongly disagree
1.	The use of e-mail helps me to get many books and scientific references.					
2.	The availability of a computer and the Internet in my office encourages me to exchange views with some scientists and researchers in my specialty.					
3.	Information derived from the Internet is reliable and may assist me in teaching.					
4.	Providing my school with individual Educational programs electronically helps to solve the problem of shortage of teachers.					
5.	The use of e-mail helps to a greater extent in improving the teacher's teaching methods.					
6.	The use of e-mail helps to a greater extent in the follow-up my pupils duties at all times.					
7.	The time is appropriate for the introduction of e-learning in my school					
8.	E-learning adds a new burden for the teacher					
9.	The selection of teachers for training on e-learning on the basis of certain principles (teaching burden, functional class, management vision, the type of educational material) reduces the chances of many of the teachers training					
10.	Designed training courses on computer aim at reducing manpower (to reduce the chances of employment					

11.	My school has developed plans for the implementation of information and communication technology in teaching					
12.	Designed training courses on computer aim at integrating of information technology in teaching.					
13.	Computer designed training course aim at improving the way teachers teach.					
14.	Designed training courses on computer aim at providing teachers with basic computer skills					
15.	Be nominated for teacher training courses on the use of information and communication technology based on the willingness of the teacher.					
16.	Be nominated for teacher training courses on the use of information and communication technology as first in time					
17.	The use of computers in teaching reduces the time and effort.					
18.	Classes in schools are equipped to encourage the use of e-learning					
19.	Equipment and tools available in my school help in the use of e-learning.					
20.	The number of pupils in the classroom coincides with the equipment available, which helps the use of information technology in teaching.					
21.	The number of equipment available coincides with the number of pupils in the class which helps to use information technology in teaching.					
22.	The school administration is working on supporting us materially for the introduction of e-learning in teaching.					
23.	The school administration is working on supporting us morally for the introduction					

	of e-learning in teaching					
24.	The school administration does not permit the introduction of e-learning in teaching					
25.	The director of our school uses the local network for meeting invitations					
26.	The director of our school uses e-mail for the academic and administrative purposes.					
27.	The use of e-learning is not conducive to the cooperative education.					
28.	The use of e-learning helps to consolidate the relationship between pupils and their teachers					
29.	The use of e-learning is not helpful in classroom management.					
30.	The use of e-learning does not help to complete the syllabus as scheduled					
31.	The use of e-learning leads to decline of the pupil's standard.					
32.	Information and communication technology Contribute in facilitating the process of preparatory materials for the scientific and updated information and keep abreast of scientific development in the area of specialization.					
33.	The application of modern information and communication technology in teaching reduces the recruitment of manpower.					
34.	e-learning contribute to facilitate the process of evaluating pupil's achievement					
35.	Computer helps in the extraction of accurate and fast results.					
36.	E-learning helps in the maintenance of records of students and facilitates the administrative functions					
37.	E-learning helps to promote the relationship between the school and the pupil's parents.					
38.	The high cost of computer hardware, hinder the use of e-learning.					

39.	The scarcity of specialized and effective educational programs limits the use e-learning.					
40.	The high cost of regular maintenance equipment, limits the use of e-learning The scarcity of professionals in the maintenance of electronic equipment, acts as limit of e-learning.					
41.	I produce electronic educational programs using facilities available at school.	Always	Somet ime	Not sure	Rarely	Never
42.	I used electronic devices in education to improve my teaching and to satisfy my pupils' needs.					
43.	I carry out all teaching and administrative tasks via electronic means.					

This the end of the questionnaire

Thank you very much for your Valuable input in this study.

**Sudan University of science and technology**

**College of post graduate studies**

**School director's interview**

### **Introduction**

Your contribution in this study leads to clear understanding of Sudanese secondary school teacher's situation towards e-learning and assist the research to draw exact picture which it may help in developing clear strategy towards e-learning in our country in order to cope with new innovation and catch the technological invention in education.

Feel free to give your opinion to the following questions, there is no right or wrong answer  
your answers represent your opinion and it is used only for academic purpose

Be sure that all information gained from this study will be treated confidentially. The results  
of this study will only be use for academic purposes .and individual will not be identified at  
the report of the study.

### **General information**

Dear school Director

Year of experience .....

- **What the relationship between the school connectivity and teacher attitudes towards e-learning at your school?**
  - a. The connectivity at your school helped to increase pupil's performances.
  - b. In your opinion what the value of e-mail use in teaching ?
  - c. To what extends do you use the e-mail for administration purposes.
  - d. The availability of internet in your school offer access to update information
  
- **To what extent does the application of technology increase or decrease teacher's effectiveness at your school?**
  - a. The use of ICT in your school contributes to improve pupil attainment
  - b. The availability of electronic library in your school helped in teachers readiness
  - c. The ministry of education support the your school with educational software

- d. In your school staff has their on computer and use the CDs in teaching
- **What is the role of training in encouraging teachers towards e-learning?**
    - a. Your school provides both formal and in-formal ICT training.
    - b. Your staff has equal chances for computer related training.
    - c. Always the training takes place in the teacher free time.
    - d. There is budget in your school for staff development.
    - e. Does Ministry of education offer computer related training regulary.
  - **What is the relationship between school support and teachers attitudes for e-learning?**
    - a. 75% or more of staff at your school are provided with personal access to a laptop or computer.
    - b. Your school has access to ICT technical support
    - c. Your school does not have an ICT co-ordinator
    - d. In your school the ratio of computer to pupil is less than 1 to 50
    - e. Is there any written strategy in place regarding the role of ICT in teaching and learning in your school
    - f. In your school ICT is included in the overall teaching and learning strategy
    - g. The physical layout of the building restricts development of ICT

**Thanks**

**Sudan University of Science and Technology**

**Classroom Observation worksheet**



School ID:.....Teacher ID .....

Gender  Female  Male

In this observation the focus was drawn on three: particular subjects during my classroom observation: physical space and equipments, pupil's behavior and teachers teaching style and the extents to which he /she interact and integrate technology in his or her teaching methods.

Location  Karama  Karaman  Bahri

Location  Region  Urban  Rural  City

Classroom layout  Hollow  School bus  Cinema

Classroom quality  Secure  Dust  Noise

**Infrastructure**

1. Electricity  Mains  Generator  Solar

2. Network  Stand alone  Local  Intranet  Internet

3. Computer  Number  Ratio per  learners

4. Media  Computer  Data projector  White board  Chalk board

Others

5. Application  Sources  Office  Jammed  CDs

**6. How were existing computers being used and by whom**

Teaching tool  by teacher  learning tool  learners  Administrative  tools

**7. How many pupils were there in the class?**

20 to 30    30 to 40    40 to 50    50 to 60    50 to 60    and more

**8. Learning activity**  day on line    day offline

**9. When pupils did used computer?**

During  the lesson   at the  of lesson    Always  Never

**10. What pupils did with computer?**

play game  chat   se  the web    Nothing

## Teaching style

Identify the level at which you believe the teacher was demonstrating the following

	Activity	Insufficient1	Sufficient 2	Proficient3
1.	Demonstrates current knowledge of subject area.			
2.	Selects relevant and accurate information			
3.	Answers questions correctly			
4.	Develops units of instruction that reflect sequential progression Prepares/uses			
5.	Use computer in teaching			
6.	Plans management (transitions, equipment, media, materials, movement)			
7.	Encourage use of technology in the classroom			
8.	Focuses on critical concepts, skills, and issues within allotted time			
9.	Accommodates for individual differences among learners			
10.	Present sequential instruction			
11.	Gives clear demonstrations and directions			
12.	Provides purposeful practice and involvement			
13.	Uses a variety of media to present information			
14.	Provides learners with important website address related to their areas of specialization			
15.	Uses appropriate language during instruction			
16.	Use educational software as supported resources			
17.	Gives frequent/appropriate reinforcement/correction			
18.	Demonstrates effective management skills			
19.	Dresses and acts responsibly			
20.	Is receptive to constructive criticism and suggestions			
21.	Assist the learners to use email address for assignment submitting.			

Candidate's Signature

Mentor Teacher's Signature

Date

## CONSENT FORMS

Dear [facilitator],

I am a student enrolled in the PhD of Computer integrated Education Program (C.I.E) at Sudan university of science and technology, and I am currently working on the thesis component of my degree. I am contacting you to determine your interest in participating in my study project regarded the Sudanese secondary schools' teachers' readiness towards e-learning.

The purpose of this research is to investigate why do some Sudanese teachers showed an earlier response to e-learning, while some teachers showed later response or resist also looking for the factors that contribute to e-learning readiness at the Sudanese secondary school. I am seeking all teachers and school principals to participate in this research, (Either face to face or via phone),

Ezzelden Ibrahim Mohammed Ibrahim

PhD Student

Please for more information contact me in the following: cell phone + 0912962896 or email

[Ezzeldenphd@yahoo.com](mailto:Ezzeldenphd@yahoo.com)

I have read and understand the description of the e-learning readiness research project and hereby consent to participate, agreeing to all conditions and expectations as outlined.

Signature

Date

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Print name .....

Phone number.....

Email.....