



**Ain Shams University
Faculty of Education,
Curricula and Instruction
Department**

**THE EFFECTIVENESS OF AN EST PROPOSED PROGRAMME
FOR ENGINEERING STUDENTS IN LIGHT OF FUTURE
CHALLENGES AND NEEDS**

A Thesis submitted to the Faculty of Education for the Master's Degree in
Education
(Curricula and Methods of Teaching English)

BY

Ahmed Mohamed Mohamed Khalil
Demonstrator at Higher Technological Institute
(10th of Ramadan-6th of October Branch)

Supervised By

Prof.Dr. Magdy Mahdy Ali
Professor of Curricula and
Methods of Teaching English
Ain Shams University
Faculty of Education,

Dr. Ramadan Farid Nassar
Lecturer of Curricula and
Methods of Teaching English
Faculty of Education,
Ain Shams University

Dr. Ahmed Mahmoud Khodeir
Lecturer of Math
Faculty of Education,
Ain Shams University

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(سورة الطلاق)

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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The Researcher
Ahmed Mohamed Khalil

Abstract

It has been observed that the engineering students, at Higher Technological Institute (10th of Ramadan city-6th of October Branch), are in a bad need for the improvement of their English language skills. The purpose of the present study was to examine the effectiveness of designing an ESP programme on developing reading and writing skills for engineering students in Light of Future Challenges and Needs. Based on the review of literature, the related studied, and professors and students' questionnaires, the researcher identified the students' needs and designed the proposed programme. The researcher taught the programme to a sample of 31 students, in the first year at Higher Technological Institute (10th of Ramadan city-6th of October Branch) in a complete semester. Pre- and post achievement tests were administered to the engineering students representing an experimental group and a control group to determine how much progress they made in their reading and writing skills. The comparison between the mean scores of the students of the two groups in the pre and post tests proved that the students made considerable progress in their reading and writing skills in favor of the experimental group due to the use of the proposed ESP programme; which proved to be effective in developing both the required reading and writing skills.

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Appendix (1)

Students' Questionnaire

Dear Students:

This questionnaire is designed to identify your academic English language needs. It is hoped to offer English that is relevant and helpful to your studies and research. Would you please answer all the questions frankly. Your responses are useful for the design of the suggested English language programme. They will contribute to the value of this research and will be used for research purposes only.

Instructions:

For each item, Tick"√" next to each answer that best shows your opinion or Specify another answer and "write it" in the space provided.

Thanks very much in advance for your cooperation

The researcher
Ahmed Mohamed Khalil

Personal Details:

Name:

Age:

Sex: (male/ female)

First of all, please provide some information about yourself:

1- English language experience before college: please tick the appropriate space(s):

----I studied English as a subject at school.

----I joined an English-medium school.

----I attended English courses.

----Other (please specify)

.....

2- When do you use English?

----When studying.

----When socializing.

----When searching.

----Other (please specify)

.....

3- How far do you evaluate your abilities and knowledge of English in the following areas?

	Good	Average	Poor
Listening			
Speaking			

Reading			
Writing			

4- My main problem(s) in learning English is/are:

----Limited vocabulary.

----Slow reading

----Low reading comprehension

----Bad writing

----Other (please specify)

.....

5- How do you rate the importance of English to your academic study?

----Very important

----Important

----Unimportant

6- Why do you think that reading English is difficult?

---- because I have to frequently look up unknown words in the dictionary.

---- because it takes me a lot of time to read.

---- because I have to translate nearly every word.

----All the above reasons

----Other reasons (please specify)

.....

7- What do you need to read in English? (tick whatever is appropriate)

----books/textbooks/references

----journals/periodicals

----electronic pages

----Others (please specify)

.....

8- Why do you read in English? (tick whatever is appropriate)

----for conducting research(es)

----for general information

----for studying

----Others (please specify)

.....

9- Do texts in your study and research need the skill of reading in English effectively?

----Yes

----sometimes

----no

10- Should you use a dictionary while reading?

----always

----sometimes

----seldom

----never

11- What do you think you should do when a new word appears while reading?

----guess its meaning from the context clues.

----skip it if it doesn't cause trouble in understanding the meaning of the sentence(s).

----stop and consult the dictionary immediately.

----Others (please specify)

.....

12- How do you read in English?

----easily

----with some difficulty

----with little difficulty

----with great difficulty

13- In your academic study and research do you need to write abstracts and research summaries in English?

----yes

----no

If yes, answer the following questions:

14- How often do you write research summaries and abstracts in English?

----always

----sometimes

----seldom

15- Do you need to answer some of your exam questions in English?

----yes

----no

If yes, answer the following question:

16- How often are you required to answer some of your exam questions in English?

----always

----sometimes

----seldom

17- How important are these tasks in English for your engineering studies?

Reading:	Very important	Important	Quite important	Not very important	Unimportant	I Do not know
-skim to find the main ideas of a text.						
-scan to locate specific information						
-lecture handouts						
-predict content from title						
-examination papers						
-identify the main idea in a						