



International Teaching Aid  
**Competition 2023**

Reconnoitering Innovative Ideas in Postnormal Times

**iTAC**

**2023**

**iTAC 2023**  
**INTERNATIONAL TEACHING AID COMPETITION**  
**E-PROCEEDINGS**

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Cover Design : *Asrol Hasan*

Layout : *Nurina Anis Mohd Zamri*

eISBN : 978-967-2948-51-3

Published by : Universiti Teknologi MARA Cawangan Kedah,  
08400 Merbok,  
Kedah,  
Malaysia.

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## **PREFACE**

iTAC or International Teaching Aid Competition 2023 was a venue for academicians, researchers, industries, junior and young inventors to showcase their innovative ideas not only in the teaching and learning sphere but also in other numerous disciplines of study. This competition was organised by the Special Interest Group, Public Interest Centre of Excellence (SIG PICE) UiTM Kedah Branch, Malaysia. Its main aim was to promote the production of innovative ideas among academicians, students and also the public at large.

In accordance with the theme "Reconnoitering Innovative Ideas in Post-normal Times", the development of novel ideas from the perspectives of interdisciplinary innovations is more compelling today, especially in the post-covid 19 times. Post-pandemic initiatives are the most relevant in the current world to adapt to new ways of doing things and all these surely require networking and collaboration. Rising to the occasion, iTAC 2023 has managed to attract more than 267 participations for all categories. The staggering number of submissions has proven the relevance of this competition to the academic world and beyond in urging the culture of innovating ideas.

iTAC 2023 committee would like to thank all creative participants for showcasing their innovative ideas with us. As expected in any competition, there will be those who win and those who lose. Congratulations to all the award recipients (Diamond, Gold, Silver and Bronze) for their winning entries. Those who did not make the cut this year can always improve and join us again later.

It is hoped that iTAC 2023 has been a worthy platform for all participating innovators who have shown ingenious efforts in their products and ideas. This compilation of extended abstracts published as iTAC 2023 E-Proceedings contains insights into what current researchers, both experienced and novice, find important and relevant in the post-normal times.

Best regards,

**iTAC 2023 Committee**  
**Special Interest Group, Public Interest Centre of Excellence (SIG PICE)**  
**UiTM Kedah Branch**  
**Malaysia**



## CTU101 HAFAZAN INTERACTIVE MEMORIZATION (HIM)

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### ABSTRACT

*Hafazan* Interactive Memorization (HIM) CTU101 is a product of an interactive memorization application that able to assist students in order to complete their *hafazan* assessment. Fundamental of Islam course with code CTU101 is a core subject of university that compulsory to be taken by all diploma students at UiTM. In order to achieve a good carry mark, one of the assessments is to memorize 1-20 verses of Surah Yasin for acquiring 20 marks. However, students reach the difficulties to fulfil this assessment due to weak memorization the verses of the surah for several reasons; first, time restriction to complete the task, second, students' profile not considered as a huffaz. Third, students considered this assessment as an obstacle. Upon on these issues, *Hafazan* Interactive Memorization (HIM) was introduced to overcome the students' problem in memorization. Researchers have created an interactive application to test students' memorization and make it easier for them to improve memorization of surah. Based on the survey as tested, the findings indicated students able to achieve high score and managed to memorize with flying colours after using this application. The novelty of this product is i) fun games memorization, ii) enhance a new method of *hafazan* through HIM, iii) Easy to access and very comprehensive. The benefits of HIM are i) potential tools in monitoring students' assessment for *hafazan* ii) Potential tools for assist the lecturer in assessing students' progress in *hafazan* assessment, iii) it can be share, apply, adapt, and develop in others organization i.e., university, schools etc. with the same interests.

**Keywords:** CTU101, interactive, memorization

## PROBLEM STATEMENT

Fundamental of Islam course with code CTU101 is a core subject of university that compulsory to be taken by all diploma students at UiTM. In order to achieve an outstanding carry mark, one of the assessments is to memorize 1-20 verses of Surah Yasin for acquiring 20 marks. However, students reach the difficulties to fulfil this assessment due to weak memorization the verses of the surah for several reasons; first, time restriction to complete the task within 7 Weeks, second, students' profile not considered as a huffaz. It is due to their background is not directly related with Islamic courses such as Art Design, Business Administration, Information Management, Science Computer, Accounting etc. and third, students considered this assessment as an obstacle due to lack of knowledge on hokum *tajwid* and reciting the Quran is poorly executed. As supported by Ahmadi, Bahriii, Mohd Ashmir, Wongiii, Ahmad Ismailiv & Saimanv (2022), Ismail, A., Osman, K., and Hassan, N.H. (2021), Hashim, A., Tamuri, A. H, and Misnan Jemali, (2013) indicated the findings, students are lack of time to complete the task, less motivation, as well as lack of skills in memorizing the Quran. Due to these limitations, *Hafazan* Interactive Memorization (HIM) was introduced to overcome the students' problem in memorization. Researchers have created an interactive application to test students' memorization and make it easier for them to improve the hafazan.

### Objectives

The main objective of this project is to develop a memorization tool known HIM. In order to achieve this objective, the sub-objectives that guide this project are as follows, i) to examine the best possible approach in assessing students' *hafazan*, ii) to develop a *hafazan* tools to increase students' assessment marks and iii) to make recommendation to the university based on the result presented.

### Novelty & Uniqueness

The novelty of this innovation, i) this tool is a fun game memorization and applicable for students' *hafazan* assessment, ii) enhance a new method of *hafazan* which is radically out of norms from traditional approach through HIM and iii) HIM is easy to access and very comprehensive in improving students' assessment in *hafazan*.

### Usefulness

- i) To assist the lecturer involved for this course in assessing the performance of student in *hafazan* assessment.
- ii) To capture, analyze and then visualize the real time score on students while using HIM.

## Benefits of HIM

- i) Potential tools in monitoring students' assessment for *hafazan*
- ii) Potential tools for assist the lecturer in assessing students' progress in *hafazan* assessment.
- iii) Next, it can be shared, applied, adapted, and developed in other organizations such as in universities and schools with the same interests.

## Commercialization / Marketability

The proposed product is targeted to be commercialized to the University as well as schools in Malaysia. It is marketable to be share, apply, adopt, and develop in others organization with the same interest.

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e-proceedings

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e ISBN 978-967-2948-51-3



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