## Prototyping PutraPacer: A Generic Differentiated Assessment Tool for Mixed Ability Classroom

GIPP 9323755

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## Research Team



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Ensuring rock solid clarity about where we want students to end up as a result of a sequence of learning is fundamental to educational success. Remembering that we cannot reach the mind we do not engage ought to be a daily compass for educational planning.

## Assessment




## PutraPacer

a generic differentiated assessment tool for mixed-ability classroom


Choice + Opportunities

Taxonomy Based

Intuitive Tool

## How PutraPacer Works For Students

## 01

TaxonomyBased

0 0 0 0 00
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## How PutraPacer Works For Students

## 02

Allows doovers


Allows Picture Uploads

Presented at PicTL 2019




 produces digitalized outputs shat are important for data-d diven dection. Examples of output include marks, percentages,
analysis of each questions
correct/wrong/ out of time), number of c clues ssed, time took to answer questions, and the like.


[^0] Rahmita Wirza O.K. Rahmat ${ }^{5}$ Tengku Fadilah Tengku Kamalden'



## Copyright Presentation

 February 2020[GUIDED]
HOW TO SET A TAXONOMY-BASED TEST
with PutraPacer


## Accepted for ICCE 2020



28th International Conference on Computers/ $/ \mathrm{B}$ Education
So, H. J. et al. (Eds.) (2020). Proceedings of the 28min International Conference on Computers in Education.

An Exploratory Study on PutraPacer as a Differentiated Assessment Tool for Learning Christye MAJUDDINa, Mas Nida MD KHAMBARI ${ }^{*}$, Su Luan WONG ${ }^{\text {a }}$ \& Noris MOHD ${ }^{\text {a }}{ }^{\text {Facaulty }}$ of Educational Studies, Universiti Putra Malaysia, Malaysia ${ }^{\text {² }}$ Faculty of Computer Science and Information Technology, Universiti Putra Malaysia, Malaysia
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Abstract The use of alternative assessment to curb the practice of standardized assessment in
education in recent years has increased. Educators are challenged with the responsibility to education in recent years has increased. Educators are challenged with the responsibility to
address different needs of diverse learners and the dynamic nature of education that changes assessments are inevitable, educators attempt to improve their practices in alternative assessment. This includes emphasizing differentiation in assessment. Differentiated assessment makes it possible for educators to collect reliable data of students' achievement which in turn
will be used to plan better strategies in instruction that could address students' different needs. However, to date, few papers have reported about differentiated assessments that have been


Participant recruitment (Lecturers in UPM \& School Teachers in Sandakan, Sabah)


## GIPP Activities

## WEBINAR

INTRODUCTION TO PUTRAPACER: ELECTRONIC TOOL FOR ALTERNATIVE ASSESSMENT

01.
ry to be online a couple of minutes earlier prior to Webinar time to make sure everything works forn to make room for solving any technical error fe webinar, please use the chat box. The co hosts will attend to you shortly.

## 0

Have a laptop or PC nearby for you will be doing hands-on activities. You may launch the PutraPace Website ahead of www putrapacercom A note book and a putrapacer.com

## Recognition

## Granted copyright 3 July 2020



## Received Gold Medal Award at PicTL 2019 <br> 17 October 2019



## Certificate of Award

This is to certify that
MAS NIDA MD. KHAMBARI, NORIS MOHD NOROWI, AZRUL HAZRI JANTAN, WONG SU LUAN,

RAHMITA WIRZA O. K. RAHMAT \& TENGKU FADILAH TENGKU KAMALDEN
PROJECT TITLE: DEVELOPING A CUSTOMIZABLE INTELLIGENT WE APPLICATION FOR DIFFERENTIATED ASSESSMENT
las been awarded the
GOLD MEDAL
at the Putra InnoCreative Competition Putra InnoCreative Carnival in Teaching and Learning 2019 $16^{\text {th }}-17^{\text {th }}$ October 2019 | Universiti Putra Malaysia

## Preliminary Findings

Students enrolled in courses at FES \& FCSIT (n=34)

|  |  | PE | BI |
| :---: | :---: | :---: | :---: |
| PE | Pearson Correlation | 1 | .920** |
|  | Sig. (1-tailed) |  | . 000 |
|  | N | 34 | 34 |
|  | Pearson Correlation | .920** | 1 |
| BI | Sig. (1-tailed) | . 000 |  |
|  | N | 34 | 34 |



The value pf Pearson's Correlation $r=.920$ (PE and BI), r = . 939 (EE and BI), $r=.940(\mathrm{SI}$ and BI$)$ shows that there are strong positive relationship between PE and $\mathrm{BI}, \mathrm{EE}$ and $\mathrm{BI}, \mathrm{SI}$ and BI .
The higher PE, EE and SI, the higher BI will be.
${ }^{* *}$. Correlation is significant at the 0.01 level ( 1 -tailed)

| Correlations |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  | EE | BI |
| EE | Pearson Correlation | 1 | .939** |
|  | Sig. (1-tailed) |  | . 000 |
|  | N | 34 | 34 |
| BI | Pearson Correlation | .939** | 1 |
|  | Sig. (1-tailed) | . 000 |  |
|  | N | 34 | 34 |

${ }^{* *}$. Correlation is significant at the 0.01 level ( 1 -tailed).

|  |  | SI | BI |
| :---: | :---: | :---: | :---: |
| SI | Pearson Correlation | 1 | . 940 ** |
|  | Sig. (1-tailed) |  | . 000 |
|  | N | 34 | 34 |
|  | Pearson Correlation | . 940 ** | 1 |
| BI | Sig. (1-tailed) | . 000 |  |
|  | N | 34 | 34 |

[^1]Thank yous


[^0]:    Mas Nida Md. Khambari', Noris Mohd. Norowi², Azrul Hazri Jantan³, Wong Su Luan4,

[^1]:    **. Correlation is significant at the 0.01 level (1-tailed)

