



EVENTS by ACTIVE Researchers

RM1,500,000.00 Research Grant

A total of RM1.5 Million has been approved by UTHM to serve the purpose of providing financial support for academic staff to conduct research related to PPG. The research fund is divided into different categories, namely, Acculturation Grant, High Impact Grant, and Matching Grant. The grants will be disbursed in three phases starting from the end of 2016.

The 2nd National Research and Innovation Conference

NRICon 2016 was successfully held on the 14-15 September 2016. The conference was jointly organised by Polytechnic Kuching, UTHM, UTM, and MUST. Assoc. Prof Dr Razali Hassan and Assoc. Prof Dr Mohamad Hisyam Hashim of FPTV, UTHM were invited to deliver keynote speeches in the conference.



International Matching Grants

A Data Analysis Workshop has been organized by UPI under matching grant project. The project leader, Prof Dr Jailani Md Yunos, and the members, Dr Lai Chee Sern and Dr Mimi Mohaffyza Mohamad, have joined the workshop at UPI, Bandung from 8 – 10 Sept 2016.



WoCTVET is just around the corner!

The 5th World Congress in TVET (WoCTVET2016) will be held on 1-2 Nov 16, at KSL Hotel, JB. For further information and paper submission, please visit:

<http://fptv.uthm.edu.my/woctvet2016/>

RESEARCH by ACTIVE Researchers

Integrating Invention Process with Competency Model for Students' Ability in Designing Skill

Apart from knowledge and competency, invention skill is another crucial element that enables workers to generate innovative ideas and creative problem solving in their jobs. A research project, funded by MoHE under RAGS, has been conducted by Assoc. Prof. Dr Mimi Mohaffyza Mohamad to identify students' knowledge and preferences in designing skills. The findings reveal that the students' design skill can be illustrated by a model that constitutes invention process and individual competency model.

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Inclusive Education: Understanding the Current Situation

A research project, funded by MoHE and led by Prof Dr Maizam Alias, was conducted to find out the training gaps and needs for practicing secondary school teachers to integrate students with special needs into mainstream classrooms. The research findings revealed that that teachers are not prepared to function effectively in inclusive classrooms. They are overwhelmed by the challenges in managing students' behaviour as well as in providing effective pedagogy for teaching inclusive classrooms.

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Learning With Complex Worked Examples

Worked Example is a powerful tool that can be used to promote problem solving schema acquisition. However, the positive effect of worked example is mainly influenced by its presentation format. An ERGS research project, funded by MoHE, has been conducted to investigate the impacts of worked example with different complexity levels and cognitive load on learners' performance. The findings indicated that easy-to-difficult worked example teaching technique is effective in increasing academic performance and reducing cognitive load.

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