General

UMP TRIZ produced 150 innovative projects

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A total of 150 innovative projects were produced in UMP TRIZ Programme, Innovation Exposition 3.0, involving 866 Universiti Malaysia Pahang (UMP) students that was held at the Sports Complex, UMP Gambang Campus on December 16, 2018.

The competition, which was held for the third time, was a platform to evaluate the participants' soft skills in tackling problems relating to engineering and technology that could be applied in daily life.

There were many technics and methodologies in problem solving and one of them was the TRIZ method.

TRIZ is the short form of a method in the Russian language, *Teorija Resenija Isobretatelskih Zadac* or Inventive Problem Solving Theory. TRIZ was developed between 1960 and 1980 by Russian scientist Genrich Altshutler.

According to Programme Director and Centre for Modern Languages & Human Sciences (CMLHS) lecturer, Imaduddin Abidin, the competition was the highlight of the teaching and learning subject of UHS2021 Soft Skill II.

"It was an innovative-based problem solving tool," he added.

"TRIZ is an unbiased law developed from the evolution of the technical system. The discovery and structuring to the TRIZ theory is the result of research and analysis carried out globally over many, many years.

"TRIZ innovative technology has many advantages that includes increase in marketing in producing creative products and the ability to find inventive and innovative solution quickly. TRIZ is a scientific approach based on technology, product and process forecast revolution system.

"In addition, the conventional and modern system of market research can be more effectively facilitated with TRIZ in analysing future market needs. It is the latest inventive problem solving tool that emphasises on problem solving in a systematic, structured way, highlighting the aspects of better, cheaper and faster," he said.

In the competition, each group used the TRIZ method to solve problem relating to security issue.

The programme was also seen as a platform that could enhance the graduates' marketability through the Professional TRIZ Level 1 for Practitioner Certificate.

Imaduddin said all aspects of skills were very important and were the main key in securing a job.

He added that through the competition, their soft skills could be honed and they learned to think

critically in order to solve a problem.

The projects displayed were the students' final projects and were evaluated by a panel comprising internal staff and those from the industry.

The Industrial Special Award (ICON) was won by Kum Yong Fang, Allen Lee Wei Kiat, Sean Senn s/o Pow Chiok, Yong Yan Li and Teong Chi Qi with their project, '*Multifunctional Dustbin*'.

The My TRIZ Special Creativity Award went to a group comprising Muhammad Syamil Sulaiman, Radfan Abdul Malek Mohammed Abdo AlQadhi, Teng Kar Hooi, Nur Syahirah Mohd Razi, Tan Choo Chien, Muhammad Hanif Kamarudin and Muhammad Asyraf Hasan with their project, '*Plastic Waste Collector*'.

The Department of Industrial and Community Relation (JJIM) Special Award was won by a team who created '*Waterproof Umbrella Holder*' - Noor Iswandy Ismail, Siti Masyithah Zainol, Nurul Ahzani Roslan, Nur Syafiqa Yusri, Amir Firdaus Basirun, Muhammad Nur Asyraf Zazali and Noor Iswandy Ismail.

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