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A TRANSFORMATIVE ROBOTIC EDUCATION SYSTEM FOR IMPROVING CREATIVITY AMONG PARTICIPANTS



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MEGA-TREND

- Generation Y
- Innovating to Zero
- Innovative Technologies of the Future

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 3 (Proof of Concept)

PATENT/ GRANTED NUMBER

- MY-180807-A

▶ TECHNOLOGY OVERVIEW

The present invention relates to a system for facilitating innovation, interaction and creativity of a participant using a robotics kit, characterized in that: enrolling one or more than one participant; conducting a pre-training assessment of the plurality of participants to determine a level of creativity of each participant; initiating a first framework comprising an application of a principle of constructivism in assembling a robot from the robotics kit, exploration of a constructive material and feature, and organising a robotics project; constructing a second framework of the robotics project by planning and designing a newly-developed robotics

project, and setting own evaluation criteria; creating and assembling the robot based on the second framework via an idea sharing, problem identification and solution synthesis; and conducting a post-training assessment of each participant via a presentation of the assembled robot and a corresponsive feedback message.

CONTACT US!

Dr. Lee Ching Shya

UMCIE Business Officer

Email: leecs@um.edu.my

Phone: +603 – 7967 7351 / 7352