

COMPARISON OF CREATIVITY LEVEL OF ENGINEERING AND INDUSTRIAL DESIGN

PROBLEM STATEMENT

How do the mindset and creativity affect in the outcome between the Engineering and Industrial Design of UTM KL students? It's important because it helps you look at problems and situations from a fresh perspective. Creating thinking is a way to develop novel or unorthodox solutions that do not depend wholly on past or current solutions.



BACKGROUND

Engineering educations who invent, design, analyse, build and test machines, complex systems, structures, gadgets and materials to fulfil functional objectives and requirements while considering the limitations imposed by practicality, regulation, safety and cost. Industrial designers mostly hold in graphic design, industrial design, product design, or other related fields. This study will show and identify on the different mindset between engineering and Industrial Design students in order to determine on the creativity level of UTM KL.

METHODOLOGY

A questionnaire will be distributed to engineering students from MJIT and Industrial Design Students from FTIR. The questionnaire will be adopted from the Creative Personality Scale (CPS) and the Creativity Temperature Scale (CTS). Questionnaire and additional demographic questions will also be asked.

FINDINGS

- HO: The creativity level of engineering students and industrial design students do not differ
- H1: The creativity level of engineering students are higher than industrial design students
- H2: The creativity level of industrial design students are higher than engineering students

SIGNIFICANT

Can increase awareness of teachers and students regarding the level of creativity of the respective students. This awareness has the potential to assist teachers and students to take action in maintaining or increasing their level of creativity.

CONCLUSIONS

This study will assess the creativity levels of students from the different fields. This research will create an opportunity to practice creative design skills. Not only that, it will develop this skill and assess students on their progress. Perhaps once this skill has been developed, students can continue to demonstrate this skill.



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