

INTELLIGENCE DYNAMICS AND SYSTEM (IDS)

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 Dr. Lee Kee Quen, Senior Lecturer
 Dr. Noor Fawazi Md Noor Rudin, Senior Lecturer
 Dr. Samsol Faizal Anis, Senior Lecturer
 Dr. Mohamad Fadzli Hanif, Senior Lecturer

NUMBER OF STUDENTS

- Ph.D : 8
- Master: 4
- Bachelor: 14

RESEARCH KEYWORDS

- vibration
- noise
- computer fluid dynamics

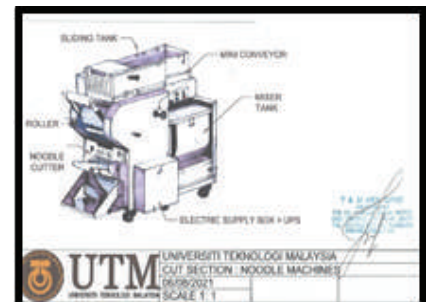
OUTLINE OF IKOHA

Intelligent dynamics and system laboratory specializing in system dynamics and acoustics. Focusing on converging ideas from various fields and discovering creative research method and idea.

CURRENT RESEARCH

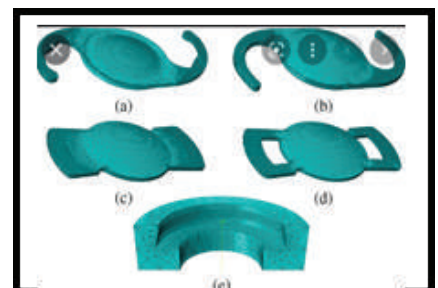
• MEE SIPUT MAKING MACHINE TOTAL (RM 35530)

Newly Modified Haptic Design for an Intraocular Lenses (IOL) using Design of Experiment



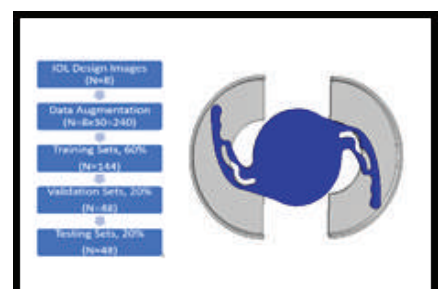
• RESEARCH 1: In collaboration with Sultan Ahmad Shah Medical Center (IIUM) and MyIOL Sdn Bhd

Predicting Spatial Displacement Based on Intraocular Lens, Convolution Neural Network, Machine Learning



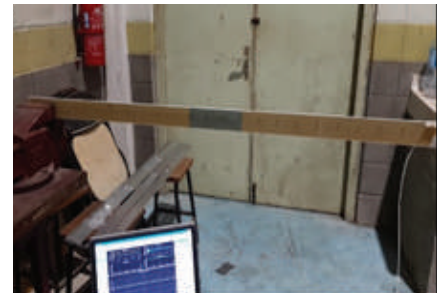
• RESEARCH 2: Networking Grant (Total: RM6000)

Improvement Of Mode Shape Curvature Algorithm Using Robust Regression For Damage Detection In Laminated Composite

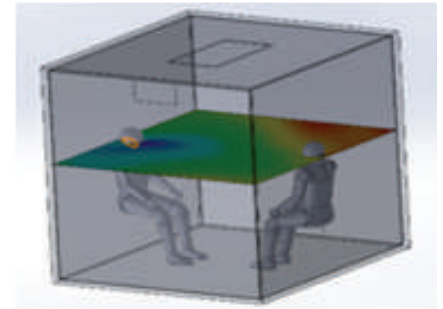


- **RESEARCH 3:** Fundamental Research Grant Scheme (Total RM 61600)

SARS-CoV-2 dispersion rate and its transmission risk in a tertiary hospital setting: simulation study



- **RESEARCH 4:** In collaboration with Sultan Ahmad Shah Medical Center (IIUM)



SDGs:



MERIT OF THE TECHNOLOGY

- Equipped with advance measurement tools for noise and vibration measurement
- A diverse number of researchers

POSSIBLE INDUSTRY APPLICATION

- Innovation with new ideas of technology
- Structural analysis
- Evaluation and improvement of mechanical component

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