

PIITRAM

PRE-UNIVERSITY MATRICULATION
INNOVATION COMPETITION

2024

"From Ideas To Impact : Igniting Innovation"

Certificate of Award

This is to certify that

**SANDRAN BIN ABDULLAH
SHAFIQ BIN RASULAN
TEVYA A/P LETCHUMANAN**

has been awarded the

SILVER MEDAL

for

**CATEGORY C
LESSON CRAFTER**

in

**THE 4TH PRE-UNIVERSITY MATRICULATION
INNOVATION COMPETITION 2024
(PIITRAM 2024)**

**UNIVERSITI SAINS ISLAM MALAYSIA
20, 23 & 24TH OF FEBRUARY 2024**


**Professor Dato' Ts. Dr. Sharifudin Md Shaarani
Vice-Chancellor
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PITRAM 2024

LESSON CRAFTER

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ABSTRACT

The "Lesson Crafter" presents a tailored solution to the challenges faced by academic departments of Sarawak Matriculation College in optimising their teaching strategies. In educational settings, departments struggle with the time-consuming nature of manual lesson planning and the need for personalised approaches within diverse learning environments. This innovation addresses the problem by streamlining the lesson planning process within the context of a specific academic department. The system aims to alleviate the burden on lecturers, enabling them to design and implement customised lesson plans that efficiently cater to their department's curriculum's unique requirements. The objectives of the Lesson Crafter for this academic group include increasing overall teaching efficiency, fostering collaborative lesson development, and ensuring that the educational content aligns seamlessly with the department's academic goals. The system encourages communication among department members through intuitive interfaces and collaborative features, facilitating a cohesive approach to lesson planning. The innovation's development involves close collaboration with lecturers within the academic department, ensuring that the system is finely tuned to the nuances of the department's curriculum specifications and teaching methodologies. Feedback loops and iterative design processes are employed to create a solution that is both user-friendly and highly relevant to the specific needs of the academic group. The commercial potential within this context is substantial as Lesson Crafter offers a specialised tool designed for the unique challenges academic departments face. Its adaptability to specific curriculum structures and the seamless integration into existing departmental workflows position it as an invaluable asset for institutions seeking to enhance teaching quality within specific academic disciplines. In conclusion, the Lesson Crafter emerges as a tailored innovation for academic departments, streamlining lesson planning processes and promoting collaborative teaching strategies. With its potential to enhance efficiency and coherence within a specific academic context, this system stands as a promising advancement in education technology for targeted groups within the academic landscape.

Keywords: Teaching efficiency, Collaborative lesson development, User-friendly, Specialised tool designed