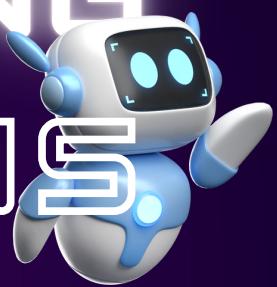


ARTIFICIAL INTELLIGENCE & MACHINE LEARNING INNOVATION CHALLENGE 2023

Propose the most innovative and practical solution using Artificial Intelligence and Machine Learning based on the following design themes:

INNOVATING SOLUTIONS



Video link and poster submission 30 December 2023

Grand Final 9 January 2024

Prizes to be Won:

1st Place: RM500

2nd Place: RM400

3rd Place: RM300

Consolidation: RM200 x 3 recipients

Incentives worth RM150 for 37 selected groups

Open to all UTM undergraduate students who are enrolled in following courses : SCSJ 3553 (FC) & SEEM/SKEM4173 (FKE) - Artificial Intelligence Semester 1 2023/2024

Submission Link :

bit.ly/AI_ML_IC2022



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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING INNOVATION CHALLENGE 2023

AI & ML IC 2023

INTRODUCTION

The 4th Industrial revolution (4IR) or Industry 4.0 conceptualizes rapid change to technology, industries and many sectors process in this 21st century due to increasing interconnectivity and smart automation. The amount of data that is generated by both human and machine far outpaces humans' ability to absorb, interpret and make complex decision based on data. Hence, a new emerging technology such as Artificial Intelligence (AI) has become one of the best solutions to cater these problems.

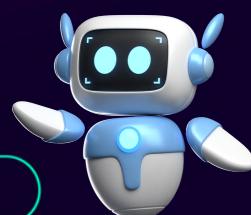
In this Artificial Intelligence and Machine Learning Innovation Challenge 2023 (AI&ML IC 2023) provides a platform for UTM undergraduate students to share innovative solutions that improve current established system or a new unprecedented solution based on real-world problem by implementing (AI) or (ML) in any areas among others (not limited to) :

- healthcare sector to promote, restore or maintain good health of people
- smart city to improve quality of life in urban area specifically
- smart education to improve and adapt with the current learning needs
- chatbot to improve business and customer services
- agriculture sector to improve productivity and reduce waste aligning to food security objective.

By participating in this competition, design and innovation enthusiasts will gain more knowledge and experience in tackling the issues by implementing Artificial Intelligence and Machine Learning technologies as the core of the solutions.



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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING INNOVATION CHALLENGE 2023

AI & ML IC 2023

WHO CAN PARTICIPATE

Open to all UTM undergraduate students who are taking subject in SCSJ 3553 & SEEM/SKEM4173 – Artificial Intelligence Semester 1 2023/2024

RULES AND REGULATION

- Each team should consist of four (4) or five (5) members.
- A participant can only be a member of one team.
- The product or solution must meet any ONE of the Categories.
- The product or solution should encourage the imagination and development of life skills based on Artificial Intelligence (AI) or Machine Learning (ML).
- Participants are required to develop a prototype as a proof-of-concept. Design thinking can be used as a design methodology for participant to develop this prototype.
- Replication of any existing product or solution may lead to disqualification.
- All finalist projects end result is a UTM PROPRIETARY RIGHT.



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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING INNOVATION CHALLENGE 2023

AI & ML IC 2023

SELECTION PROCESS

Phase One: Preparation of poster and video

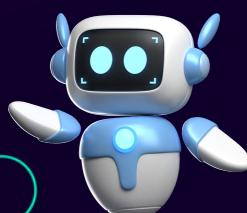
- Participating teams are required to prepare an A3-size poster and a video (with link) that contains innovative solution based on the selected category.
- The participating teams can creatively prepare the posters and videos to demonstrate the proposed solution. It is strongly encouraged the items stated in the winning criteria to be included in the posters and videos.
- The best two or three teams from each section will be selected to the final round. The poster and video should be submitted through the link <https://bit.ly/AI&MLIC2023/Final/> before 9th January 2024 by 5.00 p.m. The criteria for video preparations are as follows:
 - Video must be less than 3 minutes in length
 - Title of the video should be written in the following format:
 - Title: AI&ML 2023: Team's project Title
 - Description: Describe the details of the project and include team member's name, course code, category and advisor's name.
 - It is strongly encouraged to include 'Caption' or 'Subtitle' in the video.
- These selected teams will be given RM50 allocation for improvement of solutions.

Phase Two: Final evaluation and prize giving ceremony

- The winner will be announced on 16th January 2024 and closing ceremony will be held at S01, Centre for Student Innovation & Technology Entrepreneurship UTM on 18th January 2024 at 10 a.m.



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ARTIFICIAL INTELLIGENCE & MACHINE LEARNING INNOVATION CHALLENGE 2023

AI & ML IC 2023

WINNING CRITERIA

The innovative products or solutions are judged based on the following criteria:

✓ **Problems Solving**

How the products or solutions address the customer/user problems.

✓ **Products or solutions offer and innovativeness**

Fulfilling its intended functions, reliability and problem solving.

✓ **Commercialization potentialities**

A simple, potentially meet the real needs of market.

✓ **Presentations**

Video and A3 poster – Well demonstrate and organise prototype/model, writing, sketches and drawing presentations etc. Main points are well supported with the relevant and sufficient evidence/information. Facts are precise and explicit with clear explanation and arguments.

JUDGING PANEL

Member of judges will be from UTM and external panels from the industries and agencies.

IMPORTANT DATES

- Project Development: **11 December 2023 – 9 January 2024**
- Submission of the final round project: **9 January 2024**
- Final round evaluation: **10-16 January 2024**
- Announcement of the winner: **16 January 2024**
- Closing ceremony: **18 January 2024**

PRIZES

- 1st Place: **RM500 with certificate**
- 2nd Place: **RM400 with certificate**
- 3rd Place: **RM300 with certificate**
- Consolidation: **RM200 x 3 recipients**
- Incentives / Grants: **RM150 x 37 recipients**