

24/7 AI Chatbot for General FAQs

Retail businesses often struggle to meet customer expectations for round-the-clock support. Traditional customer service channels require significant manpower, making it difficult to respond promptly to common inquiries outside business hours.

Student Track

Selection opens at 03:00 PM

Accessible Counselling Assistant

AI assistant that offers empathetic, stigma-free counselling support with personalized coping strategies and safe escalation to professional help when needed.

Student Track

Selection opens at 03:00 PM

Agentic Billing Intelligence: Autonomous Invoice-to-Cash Management

Problem Statement: Delayed Invoicing and Inefficient Collections Impacting Cash Flow in SaaS Businesses

Context:
Businesses often face fragmented billing systems, manual invoice generation, inconsistent follow-ups on overdue

[Read more...](#)

Student Track

Selection opens at 03:00 PM

AI Cross-Platform Social Media Engagement Booster

Problem Statement: Increase social engagement using AI-driven content strategies.

Explanation: Managing multiple social platforms is time-consuming. Build an AI system that suggests optimal post timing, adapts content per platform, and predicts which

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Student Track

Selection opens at 03:00 PM

AI Crowd Control & Event Safety – Smarter Event Management

Malaysia hosts hundreds of events yearly — concerts, football matches, festivals, parades, and even political rallies. Crowd surges, bottlenecks, and miscommunication often lead to chaos, long waiting times, or even safety risks. Traditional crowd management relies on manual monitoring, walkie-talkies, or expensive CCTV systems.

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Smarter Event Management Student Track

Selection opens at 03:00 PM

AI Disaster Response Mapping

During natural disasters such as floods, wildfires, or earthquakes, emergency response teams often struggle to get timely and accurate information about affected areas. The challenge is to explore how AI can be used to improve situational awareness using available digital data sources. Participants should consider how unstructured, real-time

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Student Track

Selection opens at 03:00 PM

AI for ESG Reporting Automation

Automate Environmental, Social, and Governance (ESG) data collection and reporting using internal and third-party data sources.

Student Track

Selection opens at 03:00 PM

AI for Language Preservation: Keeping Malaysian Language Alive

Multiple orang asli languages are at risk of being lost. Feeding this info to an LLM allows it to live on in the digital age, allowing people to connect to their past by chatting with extinct languages.

Student Track

Selection opens at 03:00 PM

AI Legal Assistant for the Rakyat

Legal documents are often complex, lengthy, and difficult for non-experts to interpret. Individuals and small businesses may struggle to identify important clauses or understand potential legal risks. This challenge explores how AI could be applied to make legal information more accessible, understandable, and actionable for non-lawyers.

Student Track

Selection opens at 03:00 PM

AI Powered Intelligent Nurse Rostering System for Malaysian Healthcare

Executive Summary
Healthcare institutions in Malaysia face significant challenges in creating optimal nurse schedules that balance operational efficiency, regulatory compliance, staff wellbeing, and patient care quality. The manual process of nurse rostering is time-consuming, error prone, and often

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Student Track

Selection opens at 03:00 PM

AI vs AI: Detecting Machine-Generated Content

With the rise of generative AI tools like ChatGPT, Deepfakes, and AI-generated images or text, the line between human and machine-created content is becoming increasingly blurred. Your challenge is to develop an AI-powered system that can accurately detect whether a given piece of content (text, image, video, or audio) was

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Student Track

Selection opens at 03:00 PM

AI-Automated Content Creation for Social Media Marketing

SMEs often lack resources for consistent social media presence and may not be willing to invest in a marketing department. The goal for this problem statement is to create a GenAI system that produces tailored social media posts, including text, captions, and visuals, based on a brand's style, target audience, and campaign goals, and

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Student Track

Selection opens at 03:00 PM

AI-based Micro-Learning Platform

Problem Statement: Deliver personalized short daily learning sessions to employees.

Explanation: Long training sessions reduce retention. Build an AI platform that identifies skill gaps and pushes short, engaging lessons daily to employees, adapting difficulty

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Student Track

Selection opens at 03:00 PM

AI-Driven Natural disaster Alert, Search and Rescue

Fastest way to find out about natural disasters is via social media, a single tweet is way faster than a news broadcast. This MCP backend should scrap keywords from twitter posts and cross check with meteorological data for quicker alerts. Then MCP connects to Google Maps API to determine best alternative routes.

Student Track

Selection opens at 03:00 PM

AI-Enhanced Compliance Audit Assistant

Scan cloud configurations and logs to flag compliance risks (e.g., HIPAA, GDPR, ISO 27001), and provide human-readable explanations for audit readiness.

Student Track

Selection opens at 03:00 PM

AI-Enhanced Government Services

AI agent with MCP (Model Context Protocol) backend connecting to multiple government bodies with a query-able chatbot which allows you to renew your license, pay summons, all through whatsapp like messaging tools.

Student Track

Selection opens at 03:00 PM

AI-Powered Autonomous Threat Hunting

Problem Statement: Threat Hunting is Manual, Reactive, and Inaccessible to Most Security Teams

Context:

Many organizations lack dedicated threat hunting teams or the bandwidth to proactively search for hidden threats.

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Student Track

Selection opens at 03:00 PM

AI-Powered Intelligent Medical Document Query Tool

Executive Summary

Healthcare professionals in Malaysia struggle to efficiently access critical information from vast, unstructured medical PDFs. Manual searches are time-consuming, error-prone, and limit clinical insights, impacting patient care. Our proposed AI query tool enables natural language smart

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Student Track

Selection opens at 03:00 PM

AI-Powered Language Learning Companion

In the market, there are existing popular language learning apps that are the go-to way for language enthusiasts or foreign workers to pick up new language. However, the learning process often lacks personalisation to the needs and learning style of individual learners, and may have limited contextual practice with insufficient real-world

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Student Track

Selection opens at 03:00 PM

Combating Fake News and Misinformation with AI

Misinformation spreads faster than facts, especially on social media platforms. Your task is to build an AI-driven solution that can detect fake news or misleading content. The system should be able to assess the credibility of sources, verify factual claims, and flag content that could be harmful or deceptive. Bonus points for incorporating

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Student Track

Selection opens at 03:00 PM

Fake Food Review AI-Detector

Default app for food review is Google Maps. But reviews like these are easily faked. This AI tool will scrape the web and consolidate food reviews, determining which are likely written by bots or seem suspiciously fake due to promotions being held by restaurants. This helps in determining which restaurants are actually worth visiting

Student Track

Selection opens at 03:00 PM

GenAI for Adaptive Traffic Flow Optimization

Urban traffic congestion impacts productivity and sustainability. Create a generative AI solution that designs adaptive traffic management strategies to improve traffic flow. The system should generate real-time traffic signal timings, rerouting suggestions in existing navigation apps, or congestion mitigation plans based on inputs like vehicle

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Student Track

Selection opens at 03:00 PM

GenAI-Enhanced Accounting Management System

Small and medium businesses often struggle with complex accounting tasks due to limited resources. Develop a generative AI solution that simplifies and automates accounting processes by generating accurate financial reports, categorizing expenses, and predicting cash flow trends. The system should use natural language inputs to

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Student Track

Selection opens at 03:00 PM

GenAI-Powered Kitchen Optimization and Stock Management for F&B

Restaurants face challenges in managing kitchen operations and inventory efficiently, especially during peak hours. Develop a generative AI solution that optimizes kitchen workflows by prioritizing orders based on preparation time and customer wait time, raises real-time alerts for excessive wait times, and manages stock levels

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Student Track

Selection opens at 03:00 PM

Generative AI Chatbot for Internal Document Search with AI-Powered Chatbot

Employees in large manufacturing firms often struggle to locate internal documents such as guidelines, manuals, or policies. Traditional file systems are inefficient for search, resulting in wasted time and reduced productivity. For example, manufacturing operations often rely on extensive technical documentation and maintenance manuals that

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Student Track

Selection opens at 03:00 PM

Healthcare – Patient Data Insights for Better Care in the age of AI

Problem Statement
Hospitals and clinics generate massive amounts of patient data—medical records, lab results, treatment outcomes—but most of it remains siloed and underutilized. Healthcare providers face difficulties predicting patient risks, optimizing treatment pathways, and allocating resources

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Healthcare Student Track

Selection opens at 03:00 PM

Inclusive Learning Platform

AI-driven platform that simplifies complex topics and supports multiple learning formats—such as chat, sketching, videos, and e-books—tailored to students of all backgrounds.

Student Track

Selection opens at 03:00 PM

Multilingual AI Avatars

Build an avatar system that takes text/voice input to a target language in the user's voice and lip-syncs accurately.

Student Track

Selection opens at 03:00 PM

Next Gen Retail – AI-Driven Customer Journey & Demand Forecasting

Problem Statement
Retailers struggle to anticipate changing customer behaviour across both physical stores and e-commerce platforms. Traditional forecasting relies heavily on historical sales data, which doesn't adapt quickly to shifting trends, seasonality, or external disruptions. This leads to inventory

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Next Gen Retail Student Track

Selection opens at 03:00 PM

Proactive Customer Retention Predictor

Problem Statement: Predict and prevent customer churn.

Explanation: Losing customers hurts business. Build an ML model that predicts which users are likely to leave a service and recommends interventions, like targeted offers or support, to retain them. May include Sales & forecast.

Student Track

Selection opens at 03:00 PM

Real Estate – AI-Driven Customer Journey & Predictive Buying Insights

Problem Statement
Property developers and agents collect large amounts of customer data from events, campaigns, inquiries, and social media, yet still face challenges such as unsold units, low conversion rates, and difficulty matching buyers to the right properties. Buyers, meanwhile, experience fragmented

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Real Estate Student Track

Selection opens at 03:00 PM

Smart AI Content Localizer

Problem Statement: Automatically adapt marketing content for different regions and cultures in Malaysia.

Explanation: Global companies struggle with scaling culturally appropriate marketing especially Malaysia market. Create an AI that translates, rewrites, and visually

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Student Track

Selection opens at 03:00 PM

Smart Waste Sorting System

Incorrect waste disposal remains a major barrier to effective recycling and sustainability efforts. Many people are unsure how to properly sort different types of waste, leading to contamination in recycling streams. This challenge invites participants to explore how AI might assist in identifying and categorizing various types of waste to support better

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Student Track

Selection opens at 03:00 PM

SME Funding AI Matchmaker

There are currently a lot of government funds under utilized by SMEs due to complex landscape in terms of government funding. This tool will not only allow SMEs to align with specific funds, it can also guide them through the process.

Student Track

Selection opens at 03:00 PM

Syariah-Compliant Investment Assistant

AI assistant that recommends safe, Syariah-compliant investments in Malaysia based on a user's financial situation, goals, and lifestyle aspirations.

Student Track

Selection opens at 03:00 PM

Website Search Assistant with AI for Instant Results

Online shoppers often encounter frustration when they can't quickly find what they're looking for on retail websites. Traditional keyword-based search functions can return irrelevant results or require precise input, negatively impacting user experience and conversion rates.

Student Track

Selection opens at 03:00 PM