Empowering Tomorrow's AI Innovators

AI Training Program for Developers

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I Legend AI (M) Sdn. Bhd. Company Profile

- Malaysian company incorporated in February 2024.
- The company focuses on Artificial Intelligence (AI) technology in education, research, and development (R&D).
- Collaborated with a U.S.-based artificial intelligence (AI) research and development (R&D), April,2024.
- LCPs has developed a holistic AI curriculum for Talent Development, which has been approved by the University of California Berkeley A-G List.
- LCP's growth and development in AI technology have been progressing well, with technology alliances with NASA Youth Space Center University-Houston Texas, and other AI robotics research groups.
- Train local talent to become skilled developers in multiple programming languages & provide advanced AI training program through collaboration with Silicon Valley experts and academia (University of California, UC Berkeley).

Memorandum of Understanding

Memorandum of Understanding

Between

Legend College Preparatory

and

I LEGEND AI (M) SDN BHD (1552036-V)

This Memorandum of Understanding (MOU) sets for the terms and understanding between the Legend College Preparatory (LCP) and I LEGEND AI (M) SDN BHD (I LEGEND) to an exclusive partnership to work collaboratively to develop AI Technology training and other related software applications in Malaysia.

Background

The partnership between LCP and I LEGEND are critical to the success for both companies in the Malaysian market. LCP has a long-standing relationship with AI trainers and other related talents in the San Francisco Bay Area. Through prior joint ventures, LCP has accumulated contents and technologies in Artificial Intelligence that can be further built upon for other software purposes. I LEGEND has an extensive marketing talents and network in technology in Malaysia. The company is looking for contents, technologies, and talents in Artificial Intelligence to meet the needs of the Malaysian markets.

Purpose

This MOU will provide the framework of how the two entities will collaborate in an exclusive partnership to develop the AI training and technology market in Malaysia, each contributing its expertise and network.

The above goals will be accomplished by undertaking the following activities:

- I LEGEND will conduct market research and provide analysis on AI talent and technology needs.
- I LEGEND will make contact, connect, and set up strategic partnerships for potential joint ventures that benefit both companies.
- I LEGEND will develop partnerships and joint ventures to bring LCP products and services to the Malaysian market.
- I LEGEND may collect funds on behalf of LCP. However, such arrangement will be based on the agreement of each instance of partnership and/or joint venture.
- LCP supports I LEGEND with its AI contents and technology. LCP will also make available to I LEGEND AI engineers and other technology experts in its talent pool.
- LCP will make available to I LEGEND and its clients the AI training learning management system.

Reporting

Mohd Ariff Ismail will be the point of contact for I LEGEND. Paul Chan will be the point of contact for LCP. They will meet on a regular basis to update each other on the progress for the activities listed above.

Memorandum of Understanding

Duration
This MOU is at-will and may be modified by mutual consent of authorized officials from LCP and I LEGEND. This MOU shall become effective upon signature by the authorized officials from LCP and I LEGEND and will remain in effect until modified or terminated by any one of the parties in this MOU by mutual consent. In the absence of mutual agreement by the authorized officials from LCP and I LEGEND this MOU shall end on December 31, 2027.

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Mohd Latiff Ismail
_____Date:04/10/2024
(Mohd Latiff Ismail)
(Chief Executive Officer, I LEGEND AI (M) SDN BHD)

Paul Chan
_____Date:04/10/2024
(Paul Chan)
(Chief Executive Officer, Legend College Preparatory)

Company's Mission, Vision & Theme

✓ Mission Statement

- To empower the next generation of innovators by providing cutting-edge AI education that is accessible, ethical, and deeply rooted in real-world impact.

✓ Vision

- To cultivate a global community of young AI leaders who will shape a smarter, more inclusive, and responsible future through artificial intelligence.

✓ Theme/Tagline

- Empowering Tomorrow's AI innovator

Management Team: I Legend AI (M) Sdn. Bhd.

Mohd Ariff Ismail

AI Advisor & Technology Development

Background and Expertise:

- Graduated from San Jose State University-San Jose, CA. Over 15 years in the technology industry, mainly in the Bay Area of Silicon Valley. ex Barracuda Networks.

Mohd Latiff Ismail

Chief Executive Officer

Background and Expertise:

- Graduated from the Malaysian Marine Academy & UTM. 7 years in the Marine Transportation & Logistics, over 15 years in the Automotive and Logistics Industry. ex Petronas and Toyota.

Captain (R) Baharudin Abu Bakar

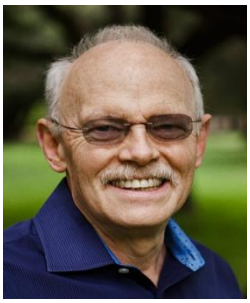
Head of AI Business Development

Background and Expertise:

- Graduated from the Military Academy Australia. 10 years in the military services, over 12+ years in security Surveillance, Automotive and Logistics Industry. ex Malaysia Armed Forces.

Expert Advisors for AI Program, San Jose, CA.

Professor Paul Chan.
Legend College Preparatory, founder & Chief Executive Officer, AI Research & Development (R&D), Industry Practitioner.



Professor James McClelland
Stanford University, Psychologist, AI Computer Neural Networks Scientist & AI Industry Practitioner.

Professor Richard Sinn
San Jose State University, Adobe AI Division Head, Scientist & AI Industry Practitioner.

Professor Laurence Dang
Legend College Head of Math's & Computer Science Department & NASA AI Research & Robotics Youth Space Program.

THE SIX-PILLAR of PRINCIPLES

Guiding Principles for AI Training & Pilot Projects

This document outlines a framework of guiding principles to embed the spirit of Silicon Valley and the values of Amanah (trust) and discipline into AI training and projects in Malaysia. The goal is to cultivate a new generation of AI entrepreneurs who are skilled, ethical, and impactful.

1. Trust with Private/Public Funds
Treat grants and project funding as rakyat's/industry's trust. Every ringgit must deliver benefit to society, not for personal agenda.

2. Discipline & Execution
Ideas are easy; execution is everything. Commit to finishing projects and delivering measurable outcomes.

3. Transparency & Accountability
Report progress openly. Show real results, however small. Build trust through clarity and honesty.

4. Local Impact, Global Standards
Solve problems of local industries while maintaining global best practices.

5. Continuous Learning & Iteration
Adopt Silicon Valley's fail-fast, learn-fast culture. Mistakes are lessons, not excuses to quit.

6. Building People, Not Just Models
Train students not only to code AI but to embody integrity, teamwork, and entrepreneurial mindset. Technology changes fast, but values endure.

These principles serve as the DNA for AI training programs under I Legend AI and industry collaboration. By holding on to discipline, integrity, and entrepreneurial spirit, the projects will not only succeed technically but also uplift communities with lasting impact.

Introduction to Artificial Intelligence Syllabus

Course Description: The goal of this multidisciplinary honours-level course is to deepen students' understanding of how computers, coding, artificial intelligence, and generative AI (such as ChatGPT or Midjourney) work. This course is designed for both non-STEM and STEM students. Students will also gain hands-on project-based experience working with coding and generative AI. By working with these systems, students will hone the skills necessary to use generative AI tools effectively in modern work environments. Students will also be introduced to basic principles of computer programming. This course can serve as a prerequisite for more advanced courses in artificial intelligence.

Students will be encouraged to develop many different skills, including

- reading and analysing news articles and professional papers
- performing and designing experiments using software tools
- learning to write simple test programs
- learning to use and interpret truth tables and use logic to verify claims
- write essays and make presentations

Topic	Description	Objectives	Assignments

1) Introducing to Computer Science, ChatGPT & Midjourney	• Computer fundamentals
	• Common computer applications
	• "What is code?"
	• "What is ChatGPT?"
	• "What is Midjourney?"
		• Understand how computers and code work on a basic level
		• Become familiar with the basics of computer fundamentals, including but not limited to
		  • Networks / the Internet
		  • Databases
		  • Operating systems.
		• Compare how humans and computers "think" (excluding AI methods for now)
		• Understand how to use ChatGPT
		• Understand how to use Midjourney
			• Practice using ChatGPT
			• Practice using Midjourney
			• Research common computer applications and/or how computers changed an industry
			• Write an essay discussing the development of computers
			• Write an essay discussing ongoing research in a field of computer science

2) Coding Fundamentals	• Sequencing / "What is an Algorithm?" • Syntax • Variables • Conditionals / Logic • Functions • Loops • Lists • Classes and Objects	• Understand the flow of code • Understand syntax rules • Emphasize the importance of specificity when coding • Create and change variables • Be able to read pseudocode • Work through logical flow • Understand truth tables • Produce and use basic functions	• Produce pseudocode to solve a problem • Coding exercises

		• Understand for loops vs while loops • Create, change and use lists • Understand inheritance and "isa" relationships • Distinguish necessary and sufficient conditions (classification)	

3) Artificial Intelligence	• "What is AI?"
	• History of AI
	• Common AI Misconceptions
	• Previous Applications of AI
	• Current Applications of AI (Unsolved Problems)
	• Major AI Concepts
	• Basic AI Algorithms
	• Classification of AI Learning Levels
		• Establish a common understanding of what intelligence means
		• Understand what artificial intelligence is, and how it is different than our intelligence.
		• Dispel some myths and common misconceptions associated with artificial intelligence.
		• Understand the difference between a bot trained for a specific task and one trained for general intelligence.
		• Know how AI emerged
		• Learn more about how AI is currently being used
		• Review the core concepts of AI, such as train/test, data validation, cross validation, supervised vs unsupervised learning, reinforcement learning, robotics, machine learning, deep learning, classification vs regression etc.
		• Discuss the advantages and disadvantages of different artificial intelligence algorithms, including but not limited to:
		  ○ Decision Trees
		  ○ Support Vector Machines (SVM)
		  ○ Regression techniques
		  ○ Clustering
		  ○ KNN
		  ○ Neural Networks
		  ○ Reinforcement Learning Models
		  ○ Pathfinding algorithms (DFS, BFS, A*, etc.)
			• Write an essay on the history of AI.
			• Write an essay on the history of a specific application of AI.
			• Explore existing AI applications
			• Compare the performance of different AI agents
			• Plan your AI learning path based on your interests and expertise.

		• Understanding the following levels of AI learning can help further plan your personal learning path: ○ Beginner | AI Model Application: Applying pre-existing AI models and understanding the most effective interaction patterns, such as learning with prompts in the GPT model. ○ Intermediate | AI Model Re Training: Enhancing AI models through Re-Training to create more powerful functional models. For example, conducting reinforcement training on a Transformer model to develop an enhanced Chat GPT chatbot, or conducting reinforcement training on a CNN visual model for applications like facial recognition robots. ○ Intermediate-Advanced | AI Large Model Design: Integrating different AI submodels to develop applications in various fields such as IoT or robotics. ○ Advanced | AI Model Research: Studying AI model algorithms such as CNN, RNN, LSTM, GAN, and delving into the research and development of AI models.	
4) Natural Language Processing	• "What is NLP?" • NLP Applications • Linguistics basics • Grammar, Context, World Knowledge • Interpreting Language • Producing Language • NLP Methods / Algorithms	• Discuss some of the fundamental fields of linguistics, such as morphology, syntax, semantics, and pragmatics. • Preview the psychology and neuroscience behind human language learning, interpretation and production. • Understand the differences between grammar, context, and world knowledge.	• Write an essay discussing an existing NLP application. • Write an essay describing a potential application of NLP. • Experiment with existing NLP tools and analyse their performance. • Write an essay summarizing a research paper in NLP. • Apply an NLP tool to a problem, and write a short essay discussing its performance.

		• Learn about the history of NLP. • Analyse existing NLP algorithms. • Compare how we learn and speak language to how computers learn and speak. • Discuss current NLP applications and development.	
5) The ChatGPT / Midjourney Model	• History of ChatGPT • History of Midjourney • How ChatGPT works • How Midjourney works • High level model of workflow • Other models	• Review the history of the development of ChatGPT and Midjourney. • Analyse different components of the ChatGPT / Midjourney system in programming terms • Compare ChatGPT and Midjourney to other models available or in development	• Write an essay discussing the history of the development of ChatGPT or Midjourney. • Use ChatGPT or Midjourney to create content, then use another bot to create similar content, and compare the results. • Write an essay describing the detailed process ChatGPT or Midjourney would follow given a specific prompt.
6) Apply and Optimize ChatGPT / Midjourney	• Simple Q&A • Narrative generation (essays, articles, stories, etc.) • Art generation (images, videos, sounds, etc.) • Code generation • Mathematics • Science and research • Educational impact • Query optimization • Conversation history and flow • Output validation • Incorporating output • AI content detectors	• Enumerate the many different applications of generative AI. • Practice using ChatGPT and/or Midjourney with various applications. • Analyse how ChatGPT works with general question & answer conversations. • Read narratives generated by ChatGPT. • View art generated by Midjourney • Review code generated by ChatGPT • Solve math problems using ChatGPT • Discuss applications of ChatGPT in scientific research. • Discuss the impact of ChatGPT in educational contexts (plagiarism) • Discuss methods that can be used to improve queries. • Understand how the bot uses conversation history, and how we ought to guide the conversation to improve output • Discuss ways of ensuring the output's correctness	• Write an essay brainstorming some applications of generative AI that have not already been discussed. • Use ChatGPT or Midjourney to generate different types of content, and compare its performance for each type. • List off some types of prompts, conversations or content that ChatGPT or Midjourney struggles with, and provide examples. • Revise narratives generated by ChatGPT. • Critique artistic content generated by Midjourney. • Use ChatGPT to create a simple program, and test it. • Use ChatGPT to solve math problems, and check its validity. • Write an essay discussing one application of ChatGPT in scientific research. • Write an essay summarizing a scientific article that has used ChatGPT. • Write an essay discussing how AI content detectors should be used in schooling or other systems, and/or how AI content detectors could be improved • Use ChatGPT or Midjourney to generate a certain type of content, then use optimization methods to improve the

		• Discuss some of the best ways to incorporate or modify output into existing work • Understand how AI content detectors work, and the types of mistakes they can make ("false alarm" vs "miss")	content that is generated, and compare the results. • Use ChatGPT to generate a certain type of content using different conversational styles, and compare the results. • Write an essay discussing examples of erroneous output that has been / can be generated by ChatGPT or Midjourney • Write an essay discussing how ChatGPT or Midjourney could be used in (or improve) a specific job
7) AI Large Model Experiment	• Perform AI training through practical operations and connect AI models with the Internet of Things (IoT) using DFP technology.	• Understanding the data flow in DFP. • Understanding the logical operations of truth tables. • Performing AI model Re-Training - experimenting with CNN AI vision. • Conducting information flow experiments with AI submodels using DFP. • Designing information flow logic paths using truth tables. • Connecting sensors and IoT robots using DFP. • Designing basic robot actions using Flip Code.	• Successfully complete the Re-Training of the AI vision model. • Successfully integrate DFP with IoT robots.
8) The Future of Computing & AI	• Fields of computer science • Jobs of computer science • Future applications of AI • Ethical issues of AI • Societal impact	• Explore the many different fields of computer science. • Compare different jobs and career paths within computer science. • Discuss some future applications for artificial intelligence, including but not limited to: ○ Robotics ○ Vision ○ Self-driving cars ○ Scientific research • Discuss some ethical issues surrounding AI, including but not limited to: ○ Sentience ○ Job market upheaval ○ Fake content (news, images, etc.)	• Write an essay discussing an existing application of ChatGPT or Midjourney. • Write an essay discussing how a specific company has already integrated ChatGPT or Midjourney into their work (i.e., AI-generated news articles) • Write an essay discussing an ethical issue in artificial intelligence. • Write an essay discussing how artificial intelligence has already impacted (and will impact) the global economy. • Write an essay discussing the future of AI, and use research to support your arguments.

		• Discuss the impact AI has already had on society. • Hypothesize the future effects of AI on society.	
9) Project Presentations	• Project (solo or team) • User Manual • Presentation • Discussion	• Create a project that makes significant use of ChatGPT and/or Midjourney. • Write a "User Manual" describing how ChatGPT or Midjourney was used to generate content in your project, so that someone else could replicate the process to create a similar project. • Present your project and user manual to the class. • Discuss the applications of your project, some of the strengths and weaknesses of your project with the class, how you would improve the project going forward, and what you would do differently if you were to develop the project again.	Project ideas include, but are not limited to, creating a/an: • Website (with visuals) • Simple 2D video game • Visual novel • News article • Scientific article • Business presentation • Comic book (with visuals) • Manga (with visuals) • Painting • Photograph • Fake social media account / series of posts • Original character and supporting art assets • Short story • Storyboarding art (art that accompanies/illustrates a story) • Computer program • Blog • Fake social media comments • Fake customer reviews • Architectural designs • Engineering schematics • Promotional poster / marketing materials / event flyer • Project portfolio • Resume • Cover letter • Job description • Set of interview questions • Set of rules for a new game (board game, sport, etc.) • Game idea / pitch

Closing Malaysia's AI Talent Gap: Leveraging Asynchronous Training and Small Model Training

As Malaysia aims to position itself as a leader in the digital economy, one of the most pressing challenges is the shortage of skilled AI professionals. According to a report by the Malaysia Digital Economy Corporation (MDEC), the country will need 20,000 AI professionals by 2025 to meet the demands of its growing digital industries. To bridge this talent gap, Malaysia can effectively utilize asynchronous training strategies and small model training to upskill its workforce. These approaches provide the flexibility and hands-on experience needed to master AI technologies, making them crucial tools in developing the country's AI talent pool.

The Benefits of Asynchronous Training

Asynchronous training allows learners to access educational materials and complete assignments on their own schedule, rather than in real-time. This flexibility is particularly beneficial in Malaysia, where many professionals need to balance their education with work and family commitments.

Key Advantages:

1. **Flexibility and Accessibility:** Asynchronous learning can be accessed anytime, anywhere, making it easier for working professionals to engage with educational content without disrupting their daily lives. According to the World Economic Forum, 70% of employees prefer learning at their own pace, and asynchronous training aligns with this preference.
2. **Scalability:** This training method can be scaled to reach large numbers of learners, making it an ideal solution for rapidly upskilling a significant portion of Malaysia's workforce.
3. **Customized Learning Paths:** Asynchronous platforms often offer customizable learning paths that can be tailored to the specific needs of individual learners. This is crucial for addressing the diverse AI skill sets required across different industries, such as natural language processing (NLP) or machine learning.
4. **Cost-Effectiveness:** By reducing the need for physical classrooms and live instructors, asynchronous training can be a more cost-effective option for large-scale education initiatives. This is particularly relevant in Malaysia, where educational budgets may be limited.
5. **The Role of Small Model Training**

Small model training involves creating and training AI models on smaller datasets, which makes it more accessible and practical for educational purposes. These models can be used to simulate real-world scenarios, providing hands-on experience that is critical for understanding AI applications.

Key Benefits:

1. **Practical Application:** Small model training allows learners to engage with AI in a hands-on manner, applying theoretical knowledge to real-world problems. This practical experience is essential for developing a deep understanding of AI technologies.
2. **Focused Learning:** By working with smaller datasets and models, learners can focus on specific aspects of AI, such as machine learning algorithms or data pre-processing techniques. This targeted approach helps build expertise in critical areas.
3. **Rapid Iteration:** Small models can be trained and tested quickly, allowing learners to experiment with different approaches and learn from their mistakes. This iterative process is key to mastering AI skills.
4. **Resource Efficiency:** Small model training requires less computational power and data than training large models, making it more accessible for learners with limited resources.

Project Examples to Illustrate Asynchronous and Small Model Training

To illustrate how these training strategies can be applied, here are five project examples that can help bridge Malaysia's AI talent gap:

1. Sentiment Analysis Using NLP

- **Project Overview:** Learners can develop a small AI model to perform sentiment analysis on social media data using natural language processing techniques. This project helps students understand how AI can be used to interpret human emotions and opinions, a critical skill for industries such as marketing and customer service.
- **Tools:** Python, NLTK (Natural Language Toolkit)
- **Asynchronous Learning Materials:** Online tutorials on NLP, datasets of social media posts.

2. Predictive Maintenance in Manufacturing

- **Project Overview:** This project involves creating a model to predict equipment failures in a manufacturing setting using historical sensor data. By implementing predictive maintenance,

learners gain insights into how AI can improve efficiency and reduce costs in industrial applications.

- **Tools:** Python, TensorFlow, Scikit-learn
- **Asynchronous Learning Materials:** Case studies on predictive maintenance, datasets from manufacturing processes.

3. AI-Driven Customer Segmentation

- **Project Overview:** Students develop a small model to segment customers based on purchasing behaviour and demographic data. This project helps learners understand how AI can be used to enhance marketing strategies by identifying target audiences more effectively.
- **Tools:** Python, Pandas, K-means Clustering
- **Asynchronous Learning Materials:** Video lectures on clustering algorithms, retail datasets.

4. Autonomous Drone Navigation

- **Project Overview:** In this project, learners design a simple AI model to navigate a drone through a predefined path using computer vision techniques. This hands-on experience demonstrates the role of AI in robotics and autonomous systems, fields that are rapidly growing in Malaysia.
- **Tools:** Python, OpenCV, Raspberry Pi
- **Asynchronous Learning Materials:** Tutorials on computer vision, simulation environments.

5. Energy Consumption Forecasting

- **Project Overview:** This project involves building a model to predict future energy consumption based on historical usage data. Learners explore how AI can be applied to optimize energy use and support sustainability efforts, aligning with Malaysia's goals for a greener future.
- **Tools:** Python, Scikit-learn, Pandas
- **Asynchronous Learning Materials:** Online courses on time series analysis, energy consumption datasets.

Conclusion

Malaysia's AI talent gap presents both a challenge and an opportunity. By leveraging asynchronous training and small model training, the country can effectively upskill its workforce, providing the flexibility and practical experience necessary to meet the demands of the digital economy. As these strategies are implemented, Malaysia will be better positioned to harness the full potential of AI, driving innovation and economic growth in the years to come.

Research Findings: AI Team Malaysia & Team US, Author: Prof. Paul Chan,
Co-Author: Mohd Ariff Ismail

Bridging the AI Talent Gap: Malaysia's Path to Building a Future-Ready Workforce

The current AI talent gaps in Malaysia can be identified across several key areas. These gaps highlight the challenges the country faces in fully capitalizing on AI technologies and driving innovation.

1. **Technical Skills Shortage**

- AI Development and Engineering: There is a significant shortage of professionals with expertise in AI development, machine learning, and data engineering. According to a report by LinkedIn, AI-related roles were among the top emerging jobs in Malaysia, but the supply of talent is not meeting the growing demand. Despite the increasing number of AI-related courses offered by Malaysian universities, the number of graduates with advanced AI skills remains insufficient. The demand for AI engineers in Southeast Asia, including Malaysia, is expected to grow by 30% annually, yet local talent pools are not keeping pace with this rapid expansion.
- Data Science and Analytics: Malaysia faces a gap in skilled data scientists and analysts who can interpret and derive insights from large datasets. According to a study by the Malaysia Digital Economy Corporation (MDEC), the country is expected to need 20,000 data professionals by 2025, but current education and training programs are producing only a fraction of this number. This shortage is critical, as the ability to work with AI-driven data tools is essential for many industries.

2. **Specialized AI Knowledge**

- Natural Language Processing (NLP) and Computer Vision: Specialized areas of AI, such as NLP and computer vision, are particularly lacking in Malaysia. A report by the World Economic Forum (WEF) highlighted that fewer than 1% of the AI talent in Malaysia are specialized in these advanced AI domains. This shortage is a significant barrier to the development of AI applications such as speech recognition and image processing.

- AI Ethics and Policy Development: As AI technology grows, there is an increasing need for professionals who understand the ethical implications of AI and can develop policies to govern its use. However, Malaysia currently lacks experts in AI ethics. A study by PwC found that 60% of businesses in Malaysia recognize the need for ethical AI governance but struggle to find qualified professionals to address these concerns.

3. **Educational Gaps**

- Curriculum Alignment with Industry Needs: While Malaysian universities are expanding their AI-related programs, there is still a gap between the skills taught and those required by the industry. The ASEAN Post reported that many AI graduates lack practical experience and hands-on training, which limits their readiness for AI-related roles. This disconnect between academia and industry needs to be bridged to better prepare students for the workforce.

- Continual Professional Development: There is a need for ongoing professional development programs to upskill existing IT professionals and align their skills with the latest AI technologies and methodologies. However, current offerings are limited and not widely accessible, with only 15% of IT professionals in Malaysia having access to advanced AI training opportunities.

4. **Leadership and Strategic AI Management**

- AI Strategy and Implementation: There is a shortage of leaders who can develop and implement AI strategies at the organizational level. According to a report by McKinsey, only 16% of Malaysian companies have a well-defined AI strategy, and the lack of leadership in this area is a significant barrier to AI adoption. This includes the ability to integrate AI into business processes, manage AI projects, and lead teams with a clear vision for AI adoption.
- Interdisciplinary Collaboration: AI projects often require collaboration across various disciplines, including business, engineering, and data science. There is a gap in professionals who can bridge these disciplines and lead successful AI initiatives. The World Economic Forum estimates that Malaysia will need to triple its current number of interdisciplinary AI experts by 2025 to keep up with global trends.

5. **Talent Retention**

- Brain Drain: Malaysia faces challenges in retaining top AI talent, with many skilled professionals seeking opportunities abroad where the demand and compensation for AI expertise are higher. A study by the Institute for Democracy and Economic Affairs (IDEAS) found that 80% of Malaysian AI professionals are considering working overseas due to better career prospects and compensation packages. This exacerbates the local talent gap and makes it difficult for Malaysian companies to compete on a global scale.

Conclusion:

Malaysia's AI talent gaps span from technical expertise in AI development and data science to leadership in AI strategy and ethical considerations. Addressing these gaps will require concerted efforts in education, upskilling, and talent retention strategies. By aligning educational curricula with industry needs, investing in professional development, and creating incentives to retain top talent, Malaysia can better position itself to capitalize on the opportunities presented by AI.

References:

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Proposed Pilot Projects for SMEs (Lightweight AI Solutions)

I Legend AI proposes three lightweight AI pilot projects designed to deliver fast, measurable impact specifically for SMEs. These projects align with the company's operational strengths and are suitable for implementation within 12 months, with Phase 1 (6 months) focusing on training and Phase 2 (6 months) on applied AI deployment.

1. **Predictive Maintenance AI**
Implement an AI-driven predictive maintenance system for SMEs, manufacturing – focuses on machinery to reduce downtime, anticipate failures, and optimize maintenance schedules based on real-time sensor data.

2**. Human Efficiency & Safety AI**
Deploy an AI monitoring solution to improve workforce allocation, monitor compliance with safety standards, and enhance productivity through behavioral analytics and task pattern insights.

3**. Energy Optimization AI**
Develop an AI model to monitor and optimize energy consumption for SMEs, especially for manufacturing facilities, reducing electricity and fuel usage while supporting company's sustainability goals.

These pilot projects are designed to complement I Legend AI's UC A-G training program. They offer company's a practical pathway to implement AI solutions with minimal infrastructure investment, while building a local talent pipeline in Malaysia.

PHASE 1: Estimated Investment: AI Training Program 6-Month.

NO.	ITEM	QTY	RM/UNIT	INVESTMENT COST
1.	6 Students (Sponsorship)	6	28,000	168,000
2.	System/Cloud (Subscription Fees)	6 months- subs fees	3,000	18,000
3.	Dataset (Small Model Training)	4	1,000	4,000
		Total		190,000
4.	**Development Cost**			
	Marketing/Website/Misc.	6 - month periods	2,000	12,000
5.	**Operational Costs**			
	Management	3 (6-month)	7,500	135,000
	Account Executive/Finance	1 (6-month)	3,000	18,000
	Student Allowance	6 (6-month)	500	18,000
	Office Rental	1 (6-month)	2,500	15,000
	Internet/Utilities	1 (6-month)	600	3,600
	Desktop/Office Equipment	6	2,500	15,000
	Printer	1	17,000	17,000
		Total		233,600
		Grand Total		**423,600**

Investment by Stage

2-Month before start-date	2-month after start-date	2-month before program completion -date.	Grand Total
141,200	141,200	141,200	**423,600**

PHASE 2: Estimated Investment for 3-Pliot Projects 6-Month.

NO	ITEM	QTY	RM/UNIT	INVESTMENT COST
1.	3- AI Applications Lightweight Development (Manufacturing)			
	Technology Stack Platform Subscription Fees	6 months fees	3,500	21,000
	Technology team expertise consulting fees (US AI team)	2 (6-month)	25,000	300,000
	6-student after finished the program will be involved directly in the projects	6 (6-month)	3,500	126,000
	Cloud/Storage Subscription fees	6 months fees	3,000	18,000
	Dataset Requirement	2	15,000	30,000
	System Maintenance and ongoing cost	6	1,050	6,300
	Management	3 (6-month)	7,500	135,000
	Administrative Executive	1 (6-month)	3,000	18,000
	Office Rental	6- month	2,500	15,000
	Office Supplies, Utilities & Internet	6 -month	2,500	15,000
	Sensors, 6-Laptops (Analytic), cameras, connectors, microcontrollers, other related software/hardware/firmware	Package:(all included)	120,000	120,000
			Grand Total:	**804,300**

2-month before start-date	2-month after start-date	2-month before project completion	Grand Total
268,100	268,100	268,100	**804,300**

Funding/Investment Structure Justification – I Legend AI (M) Sdn. Bhd.

1. **Not Just a Tuition Program**
I Legend AI is not a traditional training center. We are building a structured AI talent development and pilot project deployment program with international partnership (Silicon Valley). This requires a capable team to execute strategy and operations, not just classroom teaching.

2. **Management = Strategic Execution**
The management team's role is to:
• Manage international collaboration and partnerships
• Coordinate training and project deployment
• Secure funding and stakeholders
• Ensure sustainability and governance of the program

3**. Salaries Are Modest & Lean**
We are not asking for corporate-level salaries. The allocation is meant to allow the core team to focus full-time on the program. This is essential to build trust with government and industry partners.

4. **Office Rental = Stability & Legitimacy**
A physical base is necessary for coordination, onboarding, and communication with stakeholders. It adds legitimacy to the program and assures accountability.

5. **Capex is Front-Loaded**
The management and operational costs are mainly required during the initial 12 months to establish the foundation. Once pilot projects succeed, future funding can be sustained through SME services, CSR, or government partnerships.

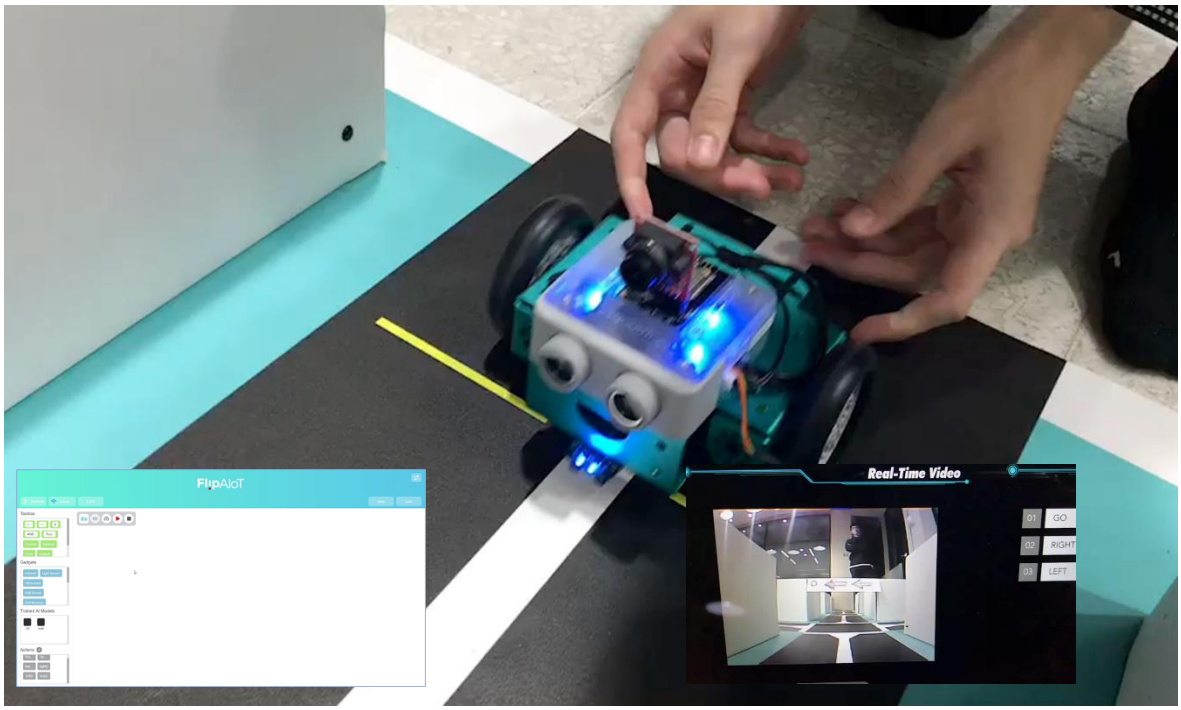
6**. Funding the Engine**
Funding management salaries and operations means funding the engine that runs the program. Without this core structure, training alone cannot succeed. This is a one-time enabling phase to build a sustainable AI ecosystem in Malaysia.

Legend College & AI Team Success Story

Legend College & AI Robotics team: NASA (National Aeronautics & Space Administration) Mission to Mars Project 2019:

- ✓ NASA Mars Project: Cooperation on special topics in research courses.

- ✓ In 2019, LCP's and its AI Robotics team cooperated with the NASA Youth Space Center University to jointly create educational and research equipment for Mars exploration robots. (Image & Visual Recognition using AI).



SET UP YOUR ENVIRONMENT FOR THE AI VISION TRAINING

1. Make sure your camera can see your object.

NASA lecturers participate in teaching AI Robotics Training Courses

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