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**MALAYSIAN**  
**HUMANOID**  
**ROBOT**



**ADAM**

**ADVANCED DEVELOPMENT**  
**AUTONOMOUS MACHINE**

ADAM is an advanced humanoid robot developed by Malaysian-based robotics company Robopreneur Sdn. Bhd. ADAM project was started in early 2018 and the robot was first activated on March 2019. ADAM has smooth full body movement with 22 degrees of freedom of upper body joints including fingers. ADAM features interaction capabilities with human using voice detection and recognition empowered by AI and cloud computing technology. ADAM offers ready platform for AI and Machine Learning expansion, making it suitable as a research platform and further development towards creating social and healthcare robots that works in human environments.



# THE FUTURE IS HERE!

FIRST MALAYSIAN MADE  
HUMANOID ROBOT  
COMBINING AI & 3D  
PRINTING TECHNOLOGY



## ► CONSTRUCTION

Dimension (HxWxL)	540 x 700 x 700
Weight	Upper body - 8kg Base - 36kg
Degrees of freedom	22 d.f.
Power	DC Servo motor 6V, PC 19V

## ► MOTHERBOARD

CPU	Intel Core i5 - 7200V
RAM	4GB
Memory	SSD 120GB
GPU	Intel HD Graphics 620

## ► INTERACTION

Audio	2 x Loudspeaker 10W 1 x Microphone
Vision	5MP 2D Camera
LEDs	12 x 1 circular RGB Fullcolor

## ► CONNECTIVITY

WIFI	802.11 a/b/g/n
Ethernet	1 x RJ45
Bluetooth	4.0

## ► PROGRAMMING

OS	Win, Linux, MacOS
Language	Python, JAVA, JavaScript
Chatbot	AIML

## ► CAPABILITIES

- Smooth engaging interaction with human
- Smooth body movement
- Connect to cloud computing
- Speech & entertainment

## ► FUTURE DEVELOPMENT

- Vision system with AI based face recognition and emotion detection
- Access the full range of human experiences by integrating ADAM with his own robotics leg
- Multi-language NLP

## CONTACT

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