



Robotics ENGINEERING *and* SMART CITY unit

Vol. 1 (2025) , Issue 2 (February) : EXTRA

**Common Practice and Sharing Session Time:
Give and Take**

Intelligent Robotic

- Delivery Robot
- Disinfection Robot
- Cleaning Robot
- Customized
- Sales and Marketing
- Maintenance and Support
- Technology transfer/Training
- Partnership

Geospatial (GIS)

- Technology R&D and Application
- Dashboard/Platform Development
- Database/Big Data and Integration
- Experience Gallery/Command Center



STEM Education (STREAMLAB 4.0)

- Robotic Arm (Dobot)
- Humanoid (LEJU Aelos)
- 3D Printing & 3D Modelling Software
- Augmented Reality (AR)
- Laser Engraving
- DIY Mini Projects
- Computer Vision (AI)
- Automation
- Programming (Java,Python,ROS,Block)
- Hardware (Arduino, Raspberry, ESP32..)
- Training and Sharing Knowledge

Urban Farming

- Hydroponic system
- Monitoring system
- AI and IoT Development
- Sales and Marketing

Smart City

- Event showcase
- Partnership/Consortium collaboration
- Product Talk/Technology sharing/Consultancy
- Grant,Tender and paperwork
- Course/Knowledge gathering

Research and Development

- R&D matching grants
- AI, Robotic, IoT and Smart City components
- Collaboration and partnership
- Technology/Service provider

Training and Consultancy

- Industrial panel jury (Expo/FYP/Competition)
- Digital-Entrepreneurship
- Internship programme/Talent Development
- University-Industry visit
- Corporate Social Responsibilites (CSR)
- Environmental, Social, and Governance (ESG)
- Knowledge Sharing/Consultancy



TOP LIST Contributor

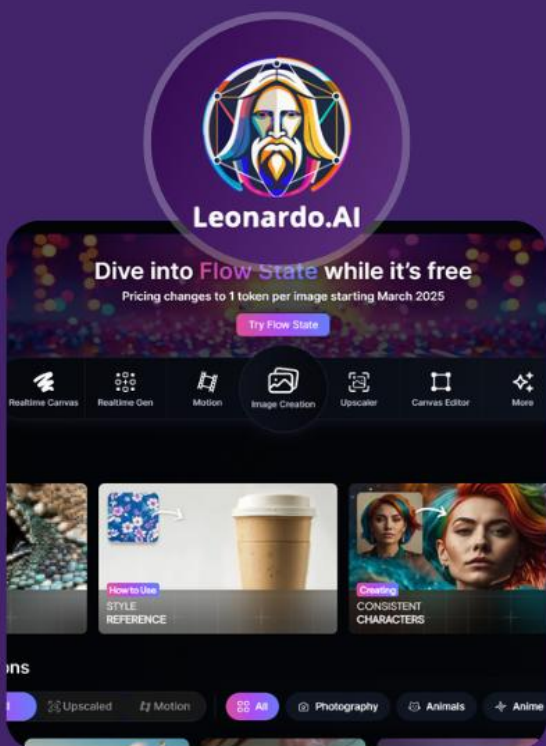


CTSB	Name	email	Topic
JB	Yusuf	yusufjohari@cybersolution.com.my	AI for Personal Creativity
KL	Faizul	faizul@cybersolution.com.my	Automate your work with n8n
K.Trg	Aqilah	aqilahazman@cybersolution.com.my	Components of GIS
K.Trg	Syafiqah	syafiqahissham@cybersolution.com.my	Power up data with Power BI

AI for Personal Creativity 🎨

Unleash Your Inner Artist with AI!

This month, we're exploring free AI tools that make creativity fun, fast, and accessible. Whether you're an experienced creator or a beginner, these tools will help you turn your ideas into reality and no complicated skills required. Let's dive in and get creative! ✨



Leonardo AI

Transform your ideas into stunning visuals! Generate unique artwork, illustrations, and images from simple text descriptions effortlessly.

- **Key Features:** Text-to-image generation, customizable styles, high-resolution outputs.
- **Use Case:** Create custom illustrations for your projects, social media, or digital content.

Get started at: leonardo.ai



Suno AI

Create original music tracks in minutes and no musical experience needed!

- **Key Features:** AI-generated music, adjustable genres and moods.
- **Use Case:** Craft a unique soundtrack for your video, podcast, or personal project.

Get started at: suno.com

Transform your ideas into reality with these powerful AI tools



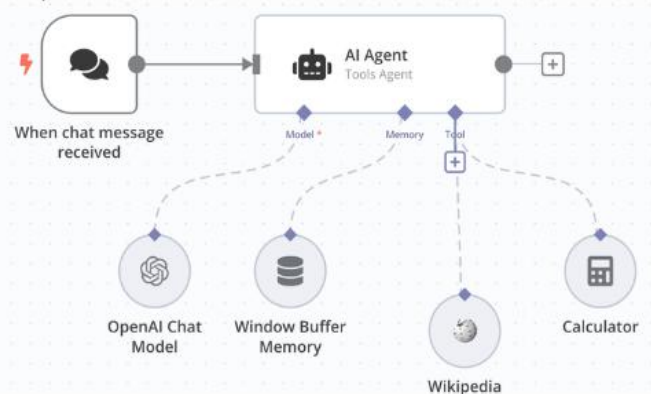
AUTOMATING WORK WITH N8N: Boosting Your Productivity



Are you spending too much time on repetitive tasks? Introducing n8n, a powerful and user-friendly automation platform that can revolutionize how we work. n8n allows us to create automated workflows, connecting different apps and services to handle tasks automatically, saving time and boosting efficiency.

What is n8n?

n8n is a low-code platform that lets you design and run workflows to automate tasks across various applications. Imagine connecting your email, CRM, databases, and more to create seamless processes using a visual interface. It allows users to create workflows by connecting different "nodes," each representing a task or operation.



Key Benefits of n8n Automation:

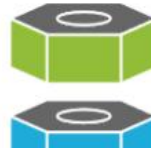
Boost Productivity

Automates tasks to save time for strategic work



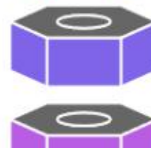
Improve Efficiency

Ensures consistent and rapid workflow execution



Easy to Use

Features a visual interface for simple workflow management



Reduce Errors

Minimizes manual data entry, enhancing accuracy



Connect Disparate Systems

Integrates various tools for a unified workflow

EXAMPLE USE CASES FOR COMPANY:



Data Entry

Automatically transfer data between spreadsheets and databases.



Email Automation

Set up automatic email responses and notifications.



Social Media

Schedule posts and track engagement on platforms.



Project Management

Automate task creation and deadline reminders.




Customer Support

Automate ticket creation and improve response times.

Geographic information system (GIS)

GIS is a computer system for capturing, storing, querying, analysing, and displaying **geospatial data**.

 **Geospatial data** describe both the locations and characteristics of spatial features.

Components of a GIS



Hardware

Any device can be used to access GIS applications.



Software

Any program either commercial or open source.



People

GIS professionals using dedicated GIS solutions.



Data

Any spatial or non-spatial data that is managed, stored, analysed, and distributed.



Method

Various analytical and processing techniques used to interpret and manipulate geographic data.



POWER UP YOUR DATA WITH POWER BI



Why Power BI ?

User-friendly

Centralized data view

Real-time insights

Improved reporting & analysis

Data-driven decisions

Power BI is a powerful tool for data visualization and business intelligence which can help to turn raw data into interactive dashboards and reports that are easy to understand and use.





CYBER ROBOTICS



Kuala Lumpur

15 & 16, 2nd Floor Resource Centre,
IIC, Technology Park Malaysia,
Lebuhraya Puchong-Sg. Besi, Bukit
Jalil, 57000 Kuala Lumpur

☎ + 6019- 321 6866



Johor Bahru

Level 8 & Level 30,
Menara MSC Cyberport,
No. 5, Jalan Bukit Meldrum, 80300
Johor Bahru,
Johor Darul Ta'zim, Malaysia

☎ + 607-276 1251
☎ + 607-278 1251 (Fax)



Kuantan

Level 6H, Level 6 Menara Zenith,
Jalan Putra Square 6, 25200, Kuantan,
Pahang

☎ + 609-9531 6008



Terengganu

Pusat Sains & Kreativiti Terengganu
(Kamar Ar-Rayyan) Kampung Laut
Chendering, 21080 Kuala
Terengganu, Terengganu

☎ + 6019-321 6866



Sarawak

Private Suite 5, Ground Floor, Block B,
TEGAS DIGITAL VILLAGE, Sama Jaya
High Tech Park, 93350 Kuching,
Sarawak

☎ + 6010 564 8700



Indonesia International

Jl. Ring Road Utara Ngringin,
Condongcatur, Kec. Depok,
Kabupaten Sleman, Daerah Istimewa
Yogyakarta 55283, Indonesia