Matlab Programming & Artificial Intelligence Analysis

26 - 27 March 2020 (Thu & Fri)
UKM Bangi
[Medium: Malay / English]

Are you doing research or work that requires you to develop a system or predict outcomes? Do you want to impress your supervisor or colleague with **advanced techniques** and **artificial intelligence data analyses?**

Perhaps, you're now thinking which software is right for you. You may use software like SPSS, Minitab, C++, R, Phyton and Visual Basic. **Why don't you consider Matlab?**

Programming using Matlab is easier and faster than any other language. It promotes research and development since Matlab has **toolboxes** for various fields such as Statistics, **Artificial Neural Networks** (ANN), **Fuzzy Logics**, Optimization, Signal Processing and others.

In this course, **Matlab Programming, ANN, ANFIS** (neuro-fuzzy system) and **Response Surface Methodology** (RSM) will be explained in an easy and effective manner based on years of experience working in this area.

This course is suitable for researchers and professionals from various fields such as **Science, Technology, Engineering, Economics, Business Study, Medicine and Social Science**. You can expect no difficult terminology or jargon used.

It is open to all **researchers** and **professionals**. The outcome is that participants will know how to use MATLAB, ANN, ANFIS and RSM to solve their own problems and present their results in **thesis** or **journals**. No prior knowledge of computer programming is needed.

Program

Day 1

Time	Module
8:50 am	Registration
9:00 am	Working with User Interface Matrix Manipulation – Part 1
10:30 am	Tea Break
11:00 am	Matrix Manipulation – Part 2
1:00 pm	Lunch
2:30 pm	Data Analyses and Visualization (Plot) Logic & Flow Control – Part 1
3:30 pm	Tea Break
4:00 pm	Logic & Flow Control – Part 2
5:00 pm	End

Day 2

Time	Module
9:00 am	Artificial Intelligence in Research and Practice
10:30 am	Tea Break
11:00 am	Matlab: Artificial Neural Networks Concept and Application - handons
1:00 pm	Lunch
2:30 pm	Matlab: ANFIS (Neuro-Fuzzy System) Concept and Application - handons
3:30 pm	Tea Break
4:00 pm	Matlab: Response Surface Methodology Concept and Application - handons
5:00 pm	End of Program

Further Information:

Website: www.bengkelmatlab.com

Unit Teknologi Minda, Jabatan Pendidikan Kejuruteraan, FKAB

A small gathering. Limited to maximum 10 particiants only. Knowledge sharing. Interactive, handons and effective. First come first serve.

Learning Facilitator

Anuar Kasa (Ir. Dr.) is the head of Mind Technology Unit at the Department of Engineering Education. He is a Certified Neuro-Linguistic Programming (NLP) Trainer and Meta-Coach. He has specialization in Geotechnical Engineering and Mind Technology. He has conducted courses on Matlab Programming and Artificial Intelligence Analysis for researchers and professionals since 2012.

Tarig Mohamed Elamin is a lecturer at the Department of Civil Engineering, Omdurman Islamic University. He has specialization in Geotechnical Engineering especially in Slope Stability, Artificial Neural Networks and Neuro-Fuzzy System. Presently, he is doing research towards PhD.

Preparation

Please bring your own laptop
(Windows 7 / 8 / 10)

Investment

Normal: RM700 cash (RM800 with Local Order)
Student: RM500 cash (RM600 with Local Order)

Registration

Please wassap this number to get online registration link:
018 3850 377 / 018 379 2011
Type "**Register Matlab**"

Thank you for reading and wanting to join this program. Register now.