REGISTRATION FORM:

Name(s)	Membership No. / Grade	Fees (RM)
	Sub Total:	

Company									
Address									
Mobile			Tel(O)				Fax		
E-mail									
	(Please	write clearly a	s the "Inform	ation U	pdate will be	sent v	ia email)		
Contact Person				Designation					
Signature						Date	e		

TERMS & CONDITIONS:

- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION /WALK -IN will be ACCEPTED
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

PAYMENT METHOD:

- Local cheque made payable to "THE INSTITUTION OF ENGINEERS MALAYSIA".
- Directly bank in or online transfer to:- (Please forward soft copy of payment advice)

THE INSTITUTION OF ENGINEERS MALAYSIA
Maybank Account no. 553104558067

CANCELLATION POLICY:

• IEM Kelantan reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less is 30% if cancellation is received in writing more than 7 days before the start of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.



THE INSTITUTION OF ENGINEERS, MALAYSIA (KELANTAN BRANCH)

C/O: ROLFOM CONSULT SDN BHD

LOT 5139, KOMPLEKS NIAGA INOTRUS, KAWASAN PERINDUSTRIAN PENGKALAN CHEPA II, 16100 KOTA BHARU, KELANTAN

TEL: 09-773 0899 E-MAIL: iemkelantanbranch@gmail.com

Course on: Introduction Geographic Information System (GIS) for Engineer

Date	:	13 th March 2023 – 14 th March 2023
Time	:	8.00 a.m. –5.00 pm
Venue	:	UiTM Kota Bharu, Kota Bharu

Organized by: The Institution of Engineers, Malaysia KELANTAN BRANCH

REGISTRATION FEES

	Fee
IEM Member	RM200.00
Non IEM Member	RM250.00

*Closing Date: 10th March 2023

BEM Approved CPD/PDP Hours: 14 Hrs [IEM23/KEL/054/C]

To register, please click:

https://forms.gle/jbt64UYX4a6g9Rx1A

Limited to 40 participants.

SYNOPSIS

There are three lessons in this module. The first is a lesson that introduces participants to a standard digital mapping process using import, manipulation and creation of digital map. The second lesson introduces participants to the scientific method of understanding spatial descriptive analysis. The last lesson focuses on the use of spatial data analysis .This program also design to help any technical personel in understanding the process of geospatial analysis using FREE software.

Relevant topics and key elements in workshop

- Production of digital map for spatial data analysis
- Manipulation of data, presentation and extraction of information from digital map
- Introduction to spatial data analysis

FOR FURTHER DETAILS, PLEASE CONTACT:

Ir. Wan Muhammad Faisyal Bin Mohd Noor ((+60 17-9532518)
The Institution of Engineers, Malaysia (Kelantan Branch)
Lot 5139, Kompleks Niaga INOTRUS,
Kawasan Perindustrian Pengkalan Chepa II,
16100 Kota Bharu, Kelantan.

TEL: 09-773 0899 E-MAIL: iemkelantanbranch@gmail.com

SPEAKER'S PROFILE

Syazwan Aizat bin Ismail, was a master degree holder in Occupational Health and Safety and degree holder in Environmental and Occupational Health. He has more than 15-year experience on site and research regarding occupational and environmental health specialized in air quality, water quality and human factors engineering. He published numbers of scientific articles in the field of occupational epidemiology and environmental health. He contributes significantly in numbers of curriculum development for environmental health especially in Advance Diploma Outbreak Management and Disease Control (specialized in spatial epidemiology and computer applications for outbreak management). Beside spatial epidemiology and health, he also involves in numbers of research projects and professional courses in the field of industrial hygiene, machine learning including artificial intelligent applications, electronics and Internet of Things (IoT). Currently he works as Tutor at Institut Latihan Kementerian Kesihatan Malaysia (ILKKM) Sungai Buloh.

TENTATIVE PROGRAMME

TIME	ITEM			
13 th March 2023				
8:00 am	Registration			
9.20 am	Session 1: Overview of Geographic Information System and Spatial Analysis			
8:30 am	Session 2: Principles of digital mapping and their functions & Production of digital map using free application.			
10:30am	Tea- Break			
11:00am	Session 3 : Application of polygon manipulation and data presentations Application of points data manipulation and data presentations			
1.00 pm	Lunch			
Session 4: Introduction to Geoda and QGIS				
2.00 pm	Session 5: Introduction to Point Pattern Analysis & Manipulations			
	- Introduction to Polygon Base Analysis			
5.00 pm	End of Day 1			
14 th March				
8:00 am	Registration			
	Session 6 : Output generation and exportation of data			
8:30 am	Session 7 : Local Indicator Spatial Autocorrelation (LISA) Application I			
	and LISA Applications II			
10.00	Session 8: Cluster analysis and spatial			
10:30am	Tea- Break			
11:00am	Session 9: Regression analysis & Spatial – Temporal Analysis			
	Session 10: Introduction to Principal Component Analysis in Spatial Elements			
1.00 pm	Lunch			
	Session 11 : Geospatial Statistics			
2.00 pm	- Interpolation data analysis			
	- Producing digital map and display			
4.30 pm	Course evaluation			
5.00 pm	End of Day 2			

** Bring your laptop and please make sure the laptop can support GIS software