## **Registration Form**

One Day Workshop on "PYTHON" –
The Language of Science and Engineering for Engineers
26 November 2016 (Saturday, 9.00 A.M. – 5.00 P.M.)   Wisma IEM, Petaling Jaya, Selangor
Organised by: Information and Communications Technology Special Interest Group, IEM
Name of Organisation:

Mailing Address:						
Email	:	Hand Phone :				
Tel (Office)	:	Fax :				
Contact Person		Designation :				

I/We wish to enrol the following person(s) for the above-mentioned Course:

Name	M/ship No.	Reg. Fee (RM)
	SUB TOTAL	
	ADD GST @ 6%	
	TOTAL PAYABLE	

Enclosed herewith a crossed cheque No. ..... for the sum of RM ...... issued in favour of "The Institution of Engineers, Malaysia" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/we withdraw after my/our application is/are accepted by the Organizing Committee but substitution of participant will be allowed. If I/we fail to attend the workshop, I/we will still pay the registration fee in full.

Signature:		Date:	
Registration Fee (Subject to 69	% GST)		
GRADE	ONLINE	NORMAL (OFFLINE)	
IEM STUDENT MEMBER	RM 150.00	RM 180.00	GST is implemented
IEM GRADUATE MEMBER	RM 250.00	RM 300.00	effective of 1 April 2015
IEM CORPORATE MEMBER	RM 400.00	RM 450.00	
NON-IEM MEMBER	RM 550.00	RM 600.00	

### Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current; Credit Card - Visa/Master].
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- 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.
- Fee paid is not refundable. Registration fee includes lecture notes, refreshment.
- The Organizing 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.

## Correspondence

The Institution of Engineers, Malaysia Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O.Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor Darul Ehsan Tel No.: +(603) 7968 4001/4002 Fax No.: +(603) 7957 7678 Email: mirdeeliani@iem.org.my (Ms. Mirdeeliani)

### PERSONAL DATA PROTECTION ACT

I have read and understand the IEM's Personal Data Protection Notice published on IEM's website at http://www.myiem.org.my and I agree to IEM's use and processing of my personal data as set out in the said notice.



# One Day Workshop on "PYTHON" -The Language of Science and Engineering for Engineers

Date: 26 November 2016 (Saturday)

Time: 9.00 a.m. – 5.00 p.m. (Registration will be started at 8.30 am) Venue: Wisma IEM, TUS and C&S Lecture Rooms, 2<sup>nd</sup> Floor, Petaling Jaya, Selangor BEM Approved CPD/PDP hours: 6.5 Ref No: IEM16/HQ/490/W

Organised by: Information and Communications Technology Special Interest Group, IEM

PREREQUISITES: As this is a hands on workshop, participants are required to bring your own Laptop

# **SYNOPSIS**

This workshop, on November 26, 2016, is expected to be useful for scientists and engineers since they can learn how to use Python to solve their scientific and engineering problems more efficiently and also use Python for automation as well. Python is one of the most popular programming languages today. Easy to learn, it also enables us to formulate engineering and scientific tasks quickly and efficiently as programmatic algorithms in Python. Python has a rich library and packages for specific tasks, making it the ideal software for scientific and engineering students and professionals. In this one-day workshop we will have a hands-on tutorial on the core Python language itself and introduce the SciPy stack which is a Python-based ecosystem of open-source software for mathematics, science, and engineering. We will explore some of its core packages such as lpython and the Jupyter Notebook, Numpy and MatpItlib. Knowledge of these packages is now considered essential for scientists and engineers who are involved in scientific research and innovation. Being open source software, it is an excellent alternative to costly commercial software than 20 years and providing training and consultancy services for Python and the Digago Web Framework since 2006.

# **BIODATA OF SPEAKER**

**Boey Pak Cheong** graduated from Universiti Malaya in 1973 with a B. Sc. (Hons) in Chemical Technology but became keenly interested and actively involved in computer programming from the late 1980s onwards. He pioneered the usage of Python in Malaysia since 1995 and has more than 20years experience in software development using various programming languages (including Python,C, PHP, Javascript, HTML, CSS2, LaTeX) in the Windows and Linux operating systems, with 19 years experience in using the Python language in a production environment. Since 2006, he has conducted professional training courses in Python programming at the introductory, intermediate and advanced levels for several leading multinational companies in Malaysia, including Intel, F-Secure, CSGI, Experian, MIMOS and SMART Modular Technologies amongst many others. He also conducts courses for the Django Web Development Framework, Linux and TcI/Tk. Besides training, healso provides technical consultancy services for Python and Django. He also speaks frequently about Python, most recently at the MiniPyCon 2014 and 2015 in Kuala Lumpur and at the Institution of Engineers, Malaysia.

Currently he operates Pytech Resources which specializes in Python and Django training and consultancy and software development. He has previously worked in technical and management positions with British Petroleum, ITT and Alcatel and also attended a senior management training program at the London Business School, UK. He created the software for a leading e-commerce website using Python that dynamically generates comprehensive pdf reports either in English or Chinese and continues active development of new products for this website. But today Boey is primarily focused on teaching Python and Django and providing consultancy services thereof.

#### Tentative Programme 8.30 am Reaistration Introduction to Python 9.00 am How to use lowthon and the Jupyter notebook Quick Tutorial on Python 10.00 am Tea Break 10.15 am Quick Tutorial on Python 1.00 pm Lunch Break 2.00 pm Quickstart Tutorial on NumPy 3.00 pm Tea Break Quickstart Tutorial on Numpy (Cont'd) 3.15 pm Exploring the SciPy collection of mathematical algorithms and convenience functions built on top Numpy Basic plotting with MatpItlib 5.00 pm End of Workshop