

Registration Form

One Day Workshop on Programming for Engineers - Java Programming
25 March 2017 (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 6% GST)

GRADE	ONLINE	NORMAL (OFFLINE)
IEM STUDENT MEMBER	RM 150.00	RM 180.00
IEM GRADUATE MEMBER	RM 250.00	RM 300.00
IEM CORPORATE MEMBER	RM 400.00	RM 450.00
NON-IEM MEMBER	RM 550.00	RM 600.00

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.

Correspondence

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**GST is implemented
effective of 1 April 2015**



One Day Workshop on Programming for Engineers - Java Programming

Date: 25 March 2017 (Saturday)

Time: 9.00 a.m. – 5.30 p.m.

Venue: Wisma IEM, TUS and C&S Lecture Rooms,
2nd Floor, Petaling Jaya, Selangor

Speaker: Mr. Daniel Pu Chuan Hsian, Grad IEM

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

BEM Approved CPD/PDP hours: 7 Ref No: IEM17/HQ/044/T

PREREQUISITES:

As this is a hands on workshop, participants are required to

- bring your own Laptop
- It is strongly recommended that each participant brings his/her own laptop with JDK and JRE installed. The JDK and JRE can be downloaded from <http://www.oracle.com/technetwork/java/javase/downloads/index-jsp-138363.html>.

Closing Date Before: 22 March 2017

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.

SYNOPSIS

The Java programming language lies at the core of many large scale business applications – especially business-to-business commercial systems that fuel the advancement of digital economy. In addition, the portable and easy-to-learn natures in Java programming make it attractive programming language for a wide array of portable electronics, such as from smart phones (Android, BlackBerry and Samsung) to embedded systems in consumer products and industry's applications. Briefly, Java programming language is a high level, robust, secured and object-oriented programming (OOP) language.

This workshop will give participants insight and hand-on experience on writing and developing Java program with proper syntax and do & don't guidance from engineering perspective in software development. Participants will also learn how to build standalone Java application, learn it's logical and data flows, and eventually able to design and develop your own Java game after finishing the workshop.

BENEFITS:

This workshop will provide hand-on training on Java programming. The participants will experience a real world application development process.

The immediate benefits are as follows:

- Understand the fundamentals of object orientation, objects and classes, stream input and output operations, array and flow-control statements, and error exception handling.
- Using the right tools for editing your program.
- Download and configure your editor and compiler correctly.
- Write Java code with OOP approach.
- Enhance your coding capability advanced OOP approach of using constructor, method, Inheritance, overriding and polymorphism.
- Compile Java code with Java development Kit (JDK) and run the Java program on Java Runtime environment (JRE).
- Debug your Java program with the correct techniques and tools.
- Develop your own Java application/game.

BIODATA OF SPEAKER

Mr. Daniel Pu Chuan Hsian is a senior Engineer in Information Security Lab of Mimos Berhad (National ICT research center). He is responsible of developing information security systems for various applications particularly for governmental, financial and banking sectors. He is specializing in developing mobile apps for advanced two-factor or known as 2-step authentication that is widely used various login systems such as in Google and etc. In his years of developing mobile apps for information security systems on Android OS, he had gained vast experience and in-depth knowledge and skills in developing applications by using Java programming language. Apart from sound programming knowledge in software development, Mr. Daniel was an experienced lecturer in Taylor's University, Malaysia prior to joining Mimos Berhad. He taught computer programming, fundamental engineering and mathematics courses in American Degree Transfer (ADP) program for the first and second year's students. Overall, Mr. Pu has accumulated more than 16 years of experience in software development and teaching programming languages in tertiary level.

TENTATIVE PROGRAMME

TIME	TENTATIVE PROGRAMME
08.30 am – 09.00 am	Registration
09.00 am – 10.15 am	Introduction of Java programming and OOP approach. Java programming Environment Setup. Learn to compile and execute a simple HelloWorld.java program.
10.15 am – 10.45 am	Break
10.45 am – 12.30pm	Basic level: Learning Java language basic syntax, variable declaration, arithmetic operations and class fundamentals. Learning stream input and output (I/O) operations, array and flow-control statements, file I/O, error exception handling and Debugging techniques.
12.30 pm – 1.30pm	Lunch
1.30 pm – 3.00 pm	Advanced level: Discover Objects and Classes - Constructor, method, Inheritance, overriding and polymorphism. Data structure – Enumeration, vector, stack and hashtable.
3.00 pm – 3.30 pm	Break
3.30 pm – 5.00 pm	Hand-on: Develop your own Java application/game.
5.00 pm – 5.30 pm	Q&A and End of Session

Cancellation Policy

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund less 30% if cancellation is received in writing more than 7 days before start date 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.