

**Chairman**  
**Engineering Education Technical Division (E2TD)**  
 c/o The Institution of Engineers, Malaysia  
 Bangunan Ingenieur, Lot 60/62, Jalan 52/4  
 P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor  
 Tel : 03-79684001/2 Fax : 03-79577678  
 Website: [www.myiem.org.my](http://www.myiem.org.my) Email: [shahrul@iem.org.my](mailto:shahrul@iem.org.my)



Organized by:  
 Engineering Education Technical Division, IEM

## ONE-DAY WORKSHOP ON “ANDROID DATABASE PROGRAMMING”

By:  
**Mr YAP WEN JIUN**

**29 MARCH 2017**  
**9.00 a.m. – 5.30 p.m.**

Venue:  
**C&S and TUS Lecture Room,**  
**2<sup>ND</sup> FLOOR, WISMA IEM, Petaling Jaya, Selangor**

**BEM APPROVED CPD/PDP Hours: 6.0 Hours**  
**Ref. No: IEM17/HQ/060/W**

### REGISTRATION:

Name(s)	IEM M'ship No. / Grade	Fees (RM)
SUB TOTAL		
ADD GST @ 6%		
TOTAL PAYABLE		

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_ Tel(O): \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

(Please write clearly as the “Confirmation Notification” will be sent via email)

Contact Person: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### PAYMENT DETAILS

Cash RM \_\_\_\_\_

Cheque no. \_\_\_\_\_ for the amount of RM \_\_\_\_\_  
 (non-refundable) and made payable to “THE INSTITUTION OF ENGINEERS, MALAYSIA” and  
 crossed ‘A/C Payee Only’.

#### Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via Credit Card]
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK-IN will be considered as NORMAL REGISTRATION
- For online registrations, please note that **payment MUST be made on 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. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment and lunches.
- 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.

### 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.

### REGISTRATION FEE (SUBJECT TO 6% GST)

Member Type	Online Rate (RM)	Normal Rate (RM)
IEM Student Member	150.00	200.00
IEM Graduate Member	350.00	400.00
IEM Corporate Member	500.00	550.00
Non IEM Member	700.00	750.00

**GST is implemented effective 1 April 2015**

### FEES COVER

- Course notes
- Refreshment (1 lunch & 2 break)

## SYNOPSIS

- Certificate of Attendance

This is a hands-on workshop for Android database programming using Android Studio. This hands-on workshop requires participants to learn by building a simple real-life working application utilizing local and syncing with external database.

### Course Outline:

- SQLite Local Database
- Binding Data to the User Interface
- Sharing Data with Content Provider
- Syncing with External Database with SyncAdapter

### Prerequisites:

All participants should know the basic Android applications development using Android Studio

## WHO SHOULD ATTEND?

This workshop is intended for software developers interested in developing applications for Android mobile operating system supporting popular Android versions.

## WOKSHOP SCHEDULE & OUTLINE

### TIME

8.30 am – 9.00 am	Workshop Registration
9.00 am – 4.45 pm	Workshop (inclusive of Two (2) Tea Break & Lunch)
4.45 pm – 5.15 pm	Q & A Session End of Workshop

## BIODATA OF THE SPEAKER

Yap Wen Jiun is a lecturer of engineering mathematics and programming on Raspberry Pi in Multimedia University while conducting research in Internet of Things and smart home. As a Google fan boy, he started Android development since the day of early beta, became the de facto speaker of the community CodeAndroid Malaysia and is now active in Google Developer Group Kuala Lumpur. He received his Bachelor of Engineering, Aerospace in year 2000 and Master of Science, Aerospace in year 2003 from University Putra Malaysia.

He has presented at many conferences and workshop such as at;

- Malaysian Open Source Conference 2010 (Android Applications in 3D)
- BarCamp Melaka 2010 (Android Development In Many Ways)
- Malaysian Government Open Source Software Conference 2010 (Android User Interfaces: Supporting Multiple Screens)
- TEDxMMU 2011 (Full-featured Embedded System Design with Smartphones)
- BarCamp MMU 2011 (Android USB IO)
- The Very First Mobile Developer Day Penang (Android in 60 minutes)
- Hackathon@UM (Android in 1 day)
- GDG DevFest Kuala Lumpur 2012 (Google Cloud Messaging Code Lab)
- GDG DevFest Kuala Lumpur 2013 (Android + Arduino in Action Code Lab)
- MMU IT Society Android App Workshop (28 Aug 2013)
- CampusG APU 2014 & CampusG SEGi 2014 (Android to Google Glass: Development of Wearables)
- Google IO Extended Kuala Lumpur 2016 (Why Every Android Developer Should Care About NDK)

He has conducted Android short courses:

- Celcom League of Extraordinary Developers program
- Workshops with iTrain Malaysia (Basic, Intermediate, Advanced)
- Collaboration of iTrain with ToffeeNet in Jakarta
- Workshops with Multimedia University Cybertron Club
- Cyberjaya Technology Innovation Open Day (TIOD) 2014
- The Coding Shophouse 2016

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