



MOBILE APPLICATION DEVELOPMENT COMPETITION 2018

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The Rules & Regulations

Competition Launch Date: 12 August 2018

Document Update: 24 July 2018



1.0 GENERAL

1.1 Objective

The IEM Mobile Application Development Competition (IEM-MAC) aims mainly for the student members. However, the competition is open to all members categories. The objectives of the competition are to foster creativity among engineering students, to nurture students in project management skills (reporting, time management & presentation skills), and to expose students to the competitive environment in the industry. It is also the aim of the competition to reduce the cost of developing a mobile application for IEM.

1.2 Statement of Agreement

All team members must sign a statement explicitly indicating they have understood and shall abide by the Rules and Regulation of this competition. This statement must be submitted to the Organizing Committee together with the Documentation for the mobile application development.

1.3. Eligibility

The competition is open to all IEM Members

1.4 Team Composition

All groups must be in a group of 3. Student Members - All student team members must be registered students in the current semester from the same IHL during submission of the Documentation together with the Registration Form. Only one team member is allowed to be a non-IEM Member. If any of the team members is not a student member, then this condition will not apply. The mixture of student members with other members categories shall fall under "Other membership categories". Other membership categories – all IEM Members.

1.5 Complaint/Protest

An official complaint preferably with evidence such as a digital photo must be filed by the team leader to the Organizing Committee with a deposit of RM 100 within ONE (1) week of the winner announcement at every competition phase. Should the complaint be rejected by the Organizing Committee, the deposit shall be forfeited. All decisions by the Organizing Committee are final and hence cannot be contested after the winners have been announced during each phase of the competition.

2.0 COMPETITION PHASES

2.1 Phase 1 – Documentation

Submission of mobile application Documentation and registration form.

2.2 Phase 2 - Presentation

Presentation of the documentation from the participating teams. Each presentation will be given 20 minutes. Only 10 teams will be selected to present their ideas/documentation for the mobile application. Only 3 teams will be selected to proceed to the next phase

2.3 Phase 3 – Coding

The three teams selected will be given dummy data to code their mobile application. They will present to the panel of judges. One team will be selected to be the winner and implement the mobile application with actual data.

2.4 Prizes

1st Prize – RM 8,000 + 1 Plaque + 3 Certificates

2nd Prize – RM 4,000 + 1 Plaque + 3 Certificates

3rd Prize – RM 1,000 + 1 Plaque + 3 Certificates

2.5 Inclusion

The mobile applications must have the look and feel of the IEM website <http://www.myiem.org.my/>

Basic Requirements

- Information dissemination
- Personalized courses, events, meetings, membership fees payment reminder and other notifications to the user discipline/requirements
- Update on promotions
- Easy links to the social media
- Appearance of Loyalty Card in the logged in area of the application
- Logged in area only applicable to paid members
- A window where members can post their questions to IEM with regards to the route to become a professional engineer

Room for future enhancements:

- Form of ID (i.e. QR code) – incorporates the IEM Loyalty Card with merchant's points rebate program
- Online payment of fees or IEM Merchandise
- Online download of Jurutera Bulletin
- Live events broadcasts (talks, IEM dinner, family day)

2.6 Important Dates

- 12 August 2018 – Competition Starts
- 31 October 2018 - Phase 1 – Documentation & Registration Form
- 7 November 2018 – Announce 10 teams for Phase 2 Presentation
- 14 November 2018 – Phase 2 – Presentation
- 21 November 2018 – Announce 3 teams for Phase 3 Coding with dummy data
- 15 January 2019 – Phase 3 Coding presentation
- 22 January 2019 – Announce the winner who will implement with actual data
- 20 April 2019 – Winner Announcement – AGM/Dinner

2.7 Contents

Phase 1 - Documentation must include:

- Flow chart of the process.
- Theory of concept – what was used? Adoption of technology.
- Explanation of the feature commands in the mobile apps.

Phase 2 – Presentation of Documentation must include:

- 20 minutes of presentation for each team

Phase 3 – Coding with Dummy Data must include:

- Simple video to show how the program operates
- All codes must be properly commented

2.8 Platform

Only Android and/or iOS platform is acceptable.

3.0 RIGHTS AND PROHIBITION

3.1 Rights

IEM will have the ultimate copyrights to the material submitted and reserved the rights to use or not to use and/or change the codes as deemed necessary.

3.2 Prohibition

All submission must be original and observe the intellectual property rights. It must not contain any prohibited contents. It must not endorse any commercial products and services. Participating team members are NOT allowed to own/use/distribute materials that have been submitted for this competition without written consent by the IEM.



REGISTRATION FORM

Team Name: _____

Institution of Higher Learning Name (for Student Team):

Endorsement from IHL: _____ (Admission/Lecturer)
(all students from the same IHL)

Team Contact Name: _____

Team Contact Number: _____

Secondary Contact Number: _____

Team Contact Email: _____

Secondary Contact Email: _____

We hereby agree to abide to the Rules and Regulations of the IEM Mobile Application Competition (#iemmac2018).

Name	I/C No:	IEM Grade / Member's #	Signature
1.			
2.			
3.			

(Please sign and email the form together with the Documentation submission to the IEM-IT Secretariat: azizi@iem.org.my)



EVALUATION FORM

PHASE 1 / 2 / 3 (please circle)

Note: Quorum for judges – minimum 3 from any representation

Judge Name: _____

Judge Rep: MDP / InfoPub / E2TD / YES / ICTSIG / IEM-Sec

Team Name: _____

Excellent = 5, Good = 4, Average = 3, Below Average = 2, Not Good = 1

	DESCRIPTION	POINTS
1.	User friendliness Comments:	
2.	Relevant to IEM needs Comments:	
3.	Presentation – Documentation Comments:	
4.	Presentation – for Phase 2 / Phase 3 Comments:	
5	Look and Feel of IEM Website Comments:	
6.	Coding Presentation Comments:	
	TOTAL	

Note for the Judges:

1. Panel of judges shall be from the members of the Working Group for IEM Mobile Application Competition.
2. Quorum for judges – must be at least 3 from any of the representations. The scores shall be averaged from all judges.
3. Group Leader will not be counted as a judge. However, should the quota for minimum judges is not met, then the Group Leader can be brought in as a judge.

Organizing Working Group:

Group Leader: Ir. Razak Yakob

InfoPub <ul style="list-style-type: none">• Standing Committee on Information & Publication	Ir. Yasotha Chetty / Ir. Razmahwata Razalli
APT/MDP <ul style="list-style-type: none">• Standing Committee on Application & Practical Training• Sub Committee on Membership Drive & Promotion	Ir. Chen Harn Shean
E2TD <ul style="list-style-type: none">• Engineering Education Technical Division	Ir. Sukhairul Nizam Abdul Razak
YES <ul style="list-style-type: none">• Young Engineers Section	Mr. Low Kar King
ICTSIG <ul style="list-style-type: none">• Information, Communication & Technology Special Interest Group	Ir. Chee Shai Choon
IEM Secretariat (IT)	Mr. Azizi Ajik



Mobile application competition

#iemmac2018



FREE ENTRY



RM 8,000.00
1 PLAQUE + 3 Certificates



RM 4,000.00
1 PLAQUE + 3 Certificates



RM 1,000.00
1 PLAQUE + 3 Certificates



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- Must be a group of 3.
- Student Members - All student team members must be registered students in the current semester from the same IHL during submission of Documentation together with the Registration Form. Only one team member is allowed to be non-IEM Member.
- Other membership categories – all IEM Members.
- All entries must abide to the “IEM Mobile Application Development 2018 – Rules & Regulations”.

31 October 2018
Documentation and
Registration Form
(Phase 1)

15 January 2019
Coding
(Phase 3)

12 August 2018
Competition Starts

14 November 2018
Presentation
(Phase 2)

20 April 2019
Winner
Announcement

Entry form available at www.iem.org.my

“This promotional poster is not meant to be printed. Save the earth!”