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# SOFTWARE PROGRAMMING INNOVATION COMPETITION (PROCOM) 2018

## 1. Overview

### 1.1 Introduction

**Chinese Weekly** has been authorized by NAPROCK (Nourishment Association for Programming Contest KOSEN) to organize a software programming competition in Malaysia based on Japan Technical College Programming Contest or KOSEN PROCON module.

The KOSEN PROCON event in Japan was organized by NAPROCK and Technical College Association yearly since 1990. Participants are from 57 Japan technical colleges and the purpose of the event is to create motivation of learning. It's a proven effective method to nurture innovative talents for the industry in Japan for several decades.

### 1.2 Objective

To create an environment to nurture innovative younger generation to be well-prepared for Industry 4.0 based on Japan technical colleges standard and to promote exchange between Malaysia – Japan students.

### 1.3 Prizes

- First prize**
- 1 team
  - Cash RM5,000; Trophy; Certificate
  - Entitle to represent Malaysia to participate in KOSEN PROCON in Japan on 27<sup>th</sup> – 28<sup>th</sup> Oct 2018 at Tokushima City, Japan. Air ticket & accommodation will be covered (*covered a team of max 3 students and 1 respective mentor*)
- Second prize**
- 1 team
  - Cash RM3,000; Trophy; Certificate
- Third prize**
- 1 team
  - Cash RM2,000; Trophy; Certificate

**UTP prize** - 1 team (Nominate by the Universiti Teknologi PETRONAS)  
- Trophy; Certificate

**MMU prize** - 1 team (Nominate by the Multimedia University)  
- Trophy; Certificate

\* Certification of participation will be given to all participants

## 1.4 Date & Venue

Date : 2<sup>nd</sup> – 3<sup>rd</sup> August 2018  
Time : 9.00am – 5.00pm  
Venue : MIGHT, Cyberjaya

## 1.5 Participation Eligibility

The competition opens to all students from public and private higher learning institutes in Malaysia. Participation need to be in a group with max 3 persons and 1 mentor.  
*(Mentor need to be the professor / lecturer / teacher of the respective university / institute)*

## 1.6 Application Method

Closing Date : 25<sup>th</sup> May 2018  
Registration Fees : RM150.00 per team.  
Payment method : Cheque (Please make payable to Chinese Weekly Sdn Bhd)  
Online Banking (Public Bank, A/C No: 3190056512 )

## 1.7 Organizers & Secretariat

Main Organizer : Chinese Weekly  
Co-Organizer : Multimedia University (MMU)  
Universiti Teknologi PETRONAS (UTP)  
Supports : Nourishment Association for Programming Contest KOSEN  
(NAPROCK), Japan  
Malaysian Industry-Government Group for High Technology  
(MIGHT)  
Secretariat : Chinese Weekly  
4C & 4D, Jalan PJS 1/29, Taman Petaling Utama,  
46000 Petaling Jaya, Selangor. Malaysia.  
Tel : 603-7782 8871 / 7782 1761 Fax : 603-7784 2871  
Email : procom@chineseweekly.com.my

## 1.8 Competition and Judgement Method

All groups of participant are required to develop an executable software on computers or tablets based on own theme and innovative ideas but not to violate intellectual property rights of any parties.

The competition will be divided into 2 stages :

### **Stage 1 : Presentation**

Each team is required to present their innovative idea in front of judges and visitors on the 1<sup>st</sup> day.

### **Stage 2 : Demonstration**

Each team will be allocated a booth to display their innovative idea and perform demonstration to the judges team

### **Judgement Method:**

Each team will be judged according to its overall performance from their presentation skill to the demonstration quality. The focus is placed on originality, applicability, operation performance, system development skill, manual development skill and presentation skills (the quality of both the stage presentation and presentation material), and other related aspects are to be considered. Both the operation manual and the sources list of the program are subject to be examined. Thus, every team must submit the operation manual and the sources list of the program in advance of the designated deadline which will be announce later). Every team will be informed about the submission procedure of these materials later.

## 1.9 Miscellaneous Notifications

### **Double Registration:**

The same student registers beyond one team is prohibited.

### **Travel and Accommodation Cost:**

Travel and accommodation cost to attend the competition should be covered by each participating team or the respective university.

### **Logistics & Equipment:**

Each team should prepare and bring equipment (computers and related devices) for the competition as required by their theme. Transport and storage of related equipment of each participating team are at their own risk. The organizers will not supply any equipment and will not bear any cost.

**Safety & Insurance:**

Each participant's mentors/teachers need to take care of their safety when travelling to event venue from their home and until the end of the event. The organizers will not cover any travel insurance.

**Demonstration Spaces:**

A demonstration space will be assigned to each team. Each space is limited to 180cm (w)\*150cm (d)\*180cm (h) to accommodate for all equipment and presenters.

**Internet Connections:**

WiFi connection is available at the presentation and demonstration hall for the competition use.

Only equipment related to the competition theme will be allowed to connect to the WiFi prepared by the organizer.

However, all participating teams are encouraged to set up their presentation and demonstration without relying on WiFi connection prepared by the organizer to ensure presentation and demonstration can be smoothly done.

**Intellectual Property Rights:**

Participants need to pay special attention not to infringe any of intellectual property rights. Any rights shall not be violated by the presented software, documents and presentations.

At the same time, participants need to ensure their intellectual property rights of software, documents and presentations are well protected. All rights on the developed software, are reserved by each participant. However, the competition organizers may use the following materials for video recording, website, brochure, and educational purposes:

- Any documents and files (the introduction file, the summary file of entry) submitted to enter the competition
- Any documents and files (the brochure file, the operation manual, the system configuration, the detailed version of system manual, etc.) submitted for the competition
- The photos, video clips and presentation slides that are recorded during the competition
- Submitted data during the competition matches in the competition

**Duplicate Submission:**

All developed software must be original. Software submitted to other competitions / contests are not eligible for this competition.

**Inquiry:**

Any inquiry related to the competition may send to: [procom@chineseweekly.com.my](mailto:procom@chineseweekly.com.my)

## 2. The Competition

The competition organized in Malaysia is equivalent to the Original Section of the Japan Technical College Programming Contest or KOSEN PROCON. Winners in Malaysia will be eligible to represent Malaysia to participate in the Original Section of the KOSEN PROCON in Japan. All software participated need to be developed based on the original concept and idea of each team.

There has been a great increase in the usage of new technologies, such as smartphones and tablets in recent years, and currently another cutting-edge device, such as wearable computers are attracting the consumers worldwide. At the same time, the internet technology has evolved dramatically as seen in the cloud computing and open data. These are a tangible result of how the IoT (Internet of Things) can impact our lives. And in the midst of the changing world, we wonder how the new technologies such as open data and ICT, could take off the restrictions of space and time and connect us further regardless of our physical locations (e.g., work, home or relaxation) as well as time zones (e.g., day or night, seasons or era). The potential of IoT application is limitless and it may hold a key to bring a breakthrough in our current issues in the field of education, ecology, food supplies, telemedicine and more.

For the participants of this competition, we would like you to take a moment to understand the ever changing world we live in today, and develop a truly original system, a creation of an out-of-the-box thinking. We look forward to being inspired by the many creative and fresh approaches of yours.

### **Notes:**

- The participating teams can use their original peripheral devices. However, the usage of the devices will be also judged. Please make sure to set up your devices within your display booth.  
Also, make sure you can finish setting up your devices in a given time (approx. 40 mins.) on the contest date.
- The highest priority is set on the originality of the proposed system for the judgment. At the same time, judges will also evaluate the level of programming skill based on its applicability, completeness and other relevant factors.

### 3. Malaysia & Japan Technical Colleges

Malaysia government has been sending huge number of students yearly for further studies to National Technical Colleges (KOSEN) in Japan since launched of the Look East Policy in 1982.

The KOSEN is a 5 years engineering education system, which was established in 1961, in response to a strong demand from the industrial sector to foster engineers who sustained the high Japanese economic growth at that time.

KOSEN combines both high school and university (until 2<sup>nd</sup> years) syllabus and stronger emphasis in practical engineering education.

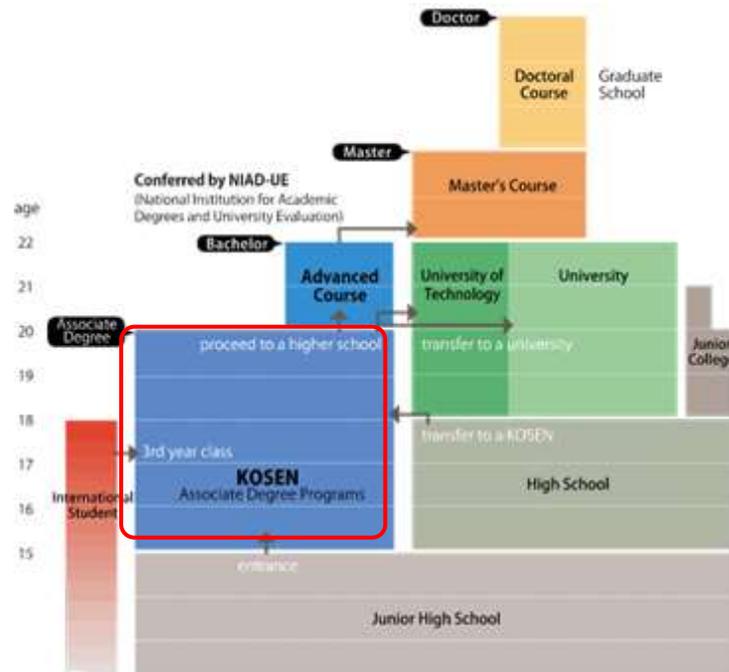


Figure 1: School System in Japan

### 4. Amendment

The organizers reserve the right to revise the term & condition of the competition if required.

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