IEM
The Institution of Engineers, Malaysia

GETTING STARTED IN ENGINEERING SOFTWARE DEVELOPMENT

5-PART SERIES

Virtual Platform

In today's engineering field, software is essential for various tasks, from simple tools like Excel and CAD to specialized design software. This course explores the development of engineering software, covering topics such as subscription models, programming tools, and the cost of development. Many engineers already create "mini" software using scripts or macros. The course will guide participants on how to turn these into full-fledged software products, protecting intellectual property. Through real-world examples, the speaker will share insights into software development, offering valuable knowledge for engineers looking to develop their own solutions.

Speaker
Ir. Chee Shai Choon
a certified CPESC and has over 30 years of experience in engineering software development. He leads C & S Software Solutions and specializes in stormwater management software, with clients across Malaysia, Singapore, Brunei, and Vietnam.

The course will cover:

- Insights from feedback on the speaker's previous courses, software clients, and civil designers' comments in the country.
- Concepts of software development.
- Programming languages.
- Design methodologies.
- Practical issues.
- Tips and tricks.
- Technology implementation.
- Pros and cons of software development.
- Maintenance challenges.

Who Could Benefit from This Course?

· Government Agencies/ Bodies/ Local Authorities
· C&S Consultant Engineers
· Property Developers
· Design Engineers
· Contractors and Sub-contractors
· Researchers
· Lecturers
· Undergraduate/ Postgraduate Students

JOIN NOW ▼

PART 1 INTRODUCTION

Overview of software development, tools, and techniques. Why do we need it? Pros and cons.

📅 **12 MARCH 2025** WEDNESDAY

🕐 **9:30AM - 11:30AM**

Registration Fees
IEM Students : Free
IEM Members : RM 15
Non-IEM Members : RM70

Organized By :
Information & Communications Technology Special Interest Group (ICTSIG), IEM

BEM Approved CPD/PDP Hours : 2
Ref No. : IEM24/HQ/029/T (w)

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