

Diploma in  
Information Technology  
**Software Engineering**

软件工程文凭课程

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**Lume Education Group Sdn Bhd**

Registration No: 202301044484 (1538400-D)

Lot L1-E-4, Level 1, HIVE 5 (Enterprise 4),  
Taman Teknologi MRANTI,  
Bukit Jalil, 57000 Kuala Lumpur, Malaysia.

## Program Overview

The Diploma in Information Technology (Software Engineering) is a comprehensive program designed to equip students with the essential skills and knowledge needed for a career in the field of software development.

Our curriculum covers topics related to software design, programming, and software testing.

## Career Opportunity

### Software Developer/Engineer:

Design, code, test, and maintain software across domains like web, mobile app, or enterprise software development.

### Web Developer:

Build and maintain websites with web development frameworks and technologies like HTML, CSS, JavaScript.

### Mobile App Developer:

Develop applications for mobile devices, such as smartphones and tablets. This can involve working with platforms like iOS or Android.

### Quality Assurance (QA) Engineer:

Ensure software quality through testing, debugging, identifying and fixing software defects.

## 课程简介

软件工程文凭是一个全面的教育计划,旨在为学生提供在软件开发领域发展职业所需的基本技能和知识。

这个文凭课程通常涵盖与软件设计、编程和软件测试相关的各种主题。

## 就业机会

### 软件开发工程师:

负责软件应用的设计、编码、测试和维护,该角色涵盖网页开发、移动应用和企业软件等领域。

### 网页开发者:

使用 HTML、CSS、JavaScript 与各种网页开发框架等技术构建和维护网站。

### 移动应用开发者:

为移动设备(如智能手机和平板电脑)开发应用程序,涉及使用苹果或安卓平台。

### 质量保证(QA)工程师:

通过测试、调试,确保软件质量,关键地识别并修复软件缺陷。

## Duration 学制

15 months

## Assessment 评估

100% Coursework

100% 课程作业

## Entry Requirement 入学标准

Age 16 and above

16岁或以上

## Medium 教学语言

Curriculum is in English. Classes are conducted in English & Mandarin.

课程以英文为主,中英双语授课。

## Programme Fee 课程费用

1st Semester: RM 13,000

2nd Semester: RM 5,000

3rd Semester: RM 4,500

**Grand Total: RM 22,500**

## Area of Study

### Programming Languages:

Students learn and master various programming languages such as Java, Javascript, or others commonly used in software development.

### Database Management:

Learning the fundamentals of database systems, including database design, implementation, and management using technologies like MySQL.

### Web Development:

Exploring technologies and frameworks for building dynamic and interactive websites, including HTML, CSS, JavaScript, and popular web development frameworks.

### Mobile App Development:

Introduction to developing applications for mobile devices, covering platforms such as Android and iOS.

### Operating Systems:

Studying the basics of operating systems and their role in software development.

### Software Development Life Cycle (SDLC):

Understanding the phases of the SDLC, including requirements gathering, design, development, testing, deployment, and maintenance.

## 学习范围

### 编程语言:

学生学习和掌握各种编程语言,如Java、JavaScript或其他在软件开发中常用的语言。

### 数据库管理:

学习数据库系统的基础知识,包括数据库设计、实施和管理,使用诸如MySQL等技术。

### 网页开发:

探索用于构建动态和交互式网站的技术和框架,包括HTML、CSS、JavaScript以及流行的网页开发框架。

### 移动应用开发:

介绍为移动设备开发应用程序的方法,涵盖Android和iOS等平台。

### 软件测试:

学习测试和调试软件的技术,以确保其质量和可靠性。

### 操作系统:

学习操作系统的基础知识及其在软件开发中的作用。

### 软件开发周期 (SDLC):

了解SDLC的各个阶段,包括需求收集、设计、开发、测试、部署和维护。

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