

Homework #3

O1286233 Web Programming
Software Engineering Program,
Department of Computer Engineering,
School of Engineering, KMITL

Ву

65011328 Kasitphoom Thowongs

Result:

B.Eng. in Software Engineering Program

The B.Eng. in Software Engineering Program is a 4-year undergraduate program aiming at producing graduates who are capable of working confidently in the international software industry as well as pursuing postgraduate study and research in leading universities workdwide. The curriculum of the program is designed in accordance with the recent ACMITECE guideline for undergraduate curriculum in software engineering.

Curriculum Overview - Study Plans

Years 1 and 2 @ KMITL	Yea	Years 3 and 4 - Track 2 @ Glasgow			
Mathematics Programming (Python, Rust, C++) Basics of Computer Hardware Computer Science Fundamentals Introduction to Software Engineering General Education Courses	Metaverse SE Web Service Development and Service-Oriented	between Year 2 and Yea se one of these specializ Industrial IoT Web Service Development and Service-Oriented		University of Glasgow Study Years 3 ft 4 in SE program at School of Computing Science, University of Glasgow Summer internship between Year 3 and Yea	of ow
	- Computer Graphics and Mixed Reality - Real-Time En System Desig Development - System Desig Development - Industrial for Networks and Computing - Cyber-Physic.	Real-Time Embedded System Design and Development Industrial IoT Networks and Communications Cyber-Physical Systems and Industry	Nata science and Data Analytics Knowledge Representation and Reasoning Deep Learning	B.Eng. in Softwa Engineering fron BSc Software	B.Eng. in Software Engineering from KMIT BSc Software Engineering from U. of

Year 1 and Year 2

In the first two years, the students will study basic courses in mathematics, computer science, and software engineering and develop their programming skills using various programming languages (including Python, C, C++, Java, etc.) Also, the students will be trained to communicate correctly and effectively. At the end of Year 2- every student is required to undertake an internship in a software company for 8 - 10 weeks. All the courses in the first two years will be held at the International College in the Bangkok Campus of KMITL.

Year 3 and Year 4(KMITL)

In Year 3 and Year 4, the students will learn advanced topics in software engineering and important software development methodologies that are used in practice. The students will have opportunities to the apply the knowledge and skills they have acquired to conduct a team software project expensively. The students will have opportunities to the apply the knowledge and skills they have acquired to conduct a team software project.

Metaverse Software Engineering. Specializing in large and complex software for enterprises and distalt transformation.

Indicate Intermet of Things. Specializing in applications of artificial intelligence and data science, including machine learning and Big Data. The study plans for these three specializations differ in some required courses. Also the students are recommended to toe work on their senior projects that utilize the knowledge of their respective specializations.

Year 3 and Year 4(KMITL)

The students joining the KMITL-Glasgow Double-DegreeProgram will take courses in Years 3 and 4 in the Software Engineering program at the Schoolof Computing Science, University of Glasgow.

Curriculum Courses

Year 1

Semester 1	Semester 2			
01006710 : Introduction to Calculus	01006717 : Differential Equations			
01286111 : Circuits and Electronics	01006718 : Discrete Mathematics			
01286120 : Elementary Systems Programming	01286112 : Digital System Fundamentals			
01286121 : Computer Programming	01286131 : Object-Oriented Programming 96641001 : Charm School			
96641002 : Digital Intelligence Quotient				
96642170 : Introduction to Logic	96641003 : Sports and Recreational Activities			
	96644034 : Technical Writing			

Year 2

Semester 1	Semester 2
01006719 : Probability and Statistics 1	01006716 : Linear Algebra
01286213 : Computer Architecture and Organization	01286223 : Computer Networks
01286222 : Data Structures and Algorithms	01286228 : Algorithm Design and Analysis
01286233 : Web Programming	01286232 : Software Engineering Principles
96644042 : Professional Communication and Presentation	01286241 : Database Systems
9664: General Education Elective	96644: General Education Elective in Language and Communication
	96644034 : Technical Writing

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