

MOBILE APPLICATION DEVELOPMENT USING FLUTTER



**COMPUTER LAB, SOUTHERN
UNIVERSITY COLLEGE**



**HRD CORP CLAIMABLE COURSE,
MBOT CPD PROGRAM**

** Breakfast, lunch and tea break provided



Ms Nur Shamilla Selamat

- Lecturer, Faculty of Engineering & Information Technology, Southern University College
- MPhil (Computer Science)
- Oracle Database Administrator Certified Associate
- Microsoft Certified: Azure AI Fundamentals
- HRD Corp Accredited Trainer (ID: 27264)

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FLUTTER

移动应用程序开发



2024 年 5月 13,14,15,16



南方大学学院电脑室



HRD CORP CLAIMABLE COURSE,
MBOT CPD PROGRAM

** 提供早餐, 午餐和茶点



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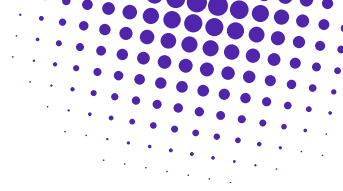
COURSE OUTLINE

1. Introduction to Development with Flutter
2. Creating Material Design UI with Flutter
3. Building Apps with Stateless and Stateful Widgets
4. Structuring and Organising Flutter Apps, Applying Object-Oriented Concept
5. Powering Flutter Apps with Backend Data and Asynchronous Programming
6. Integrating Flutter Apps with Firebase Cloud Firestore



LEARNING OUTCOME

1. Build a strong proficiency in Flutter framework including Flutter widgets, state management and navigation.
2. Learn and apply Dart programming language.
3. Learn and apply visually appealing and intuitive user interfaces using Flutter's rich set of UI widgets and design principles.
4. Develop cross-platform mobile applications that can run on both iOS and Android devices.
5. Integrate external APIs and services into Flutter applications to leverage data from web services, cloud platforms and other third-party sources.
6. Deploy Flutter applications to app stores (Google Play Store and Apple App Store)



AGENDA

Day 1	
9.00 am – 10.30 pm	<ul style="list-style-type: none"> • Ice breaker • A brief course introduction Module 1: Introduction to Development with Flutter
10.30 am – 10.45am	Short Break
10.45 am – 12.30 pm	Continue of Module 1
12.30 pm - 1.30 pm	Lunch Break
1.30 pm – 3.15 pm	Module 2: Creating Beautiful UI with Flutter
3.15 pm – 3.30 pm	Short Break
3.30 pm – 5.00 pm	Continue of Module 2
5.00 pm – 5.30 pm	Q & A
End of Day 1	

Day 2	
9.00 am – 10.30 pm	Module 3: Building Apps with Stateless and Stateful Widgets
10.30 am – 10.45am	Short Break
10.45 am – 12.30 pm	Continue of Module 3
12.30 pm - 1.30 pm	Lunch Break
1.30 pm – 3.15 pm	Module 4: Structuring and organising Flutter Apps, applying object-oriented concepts
3.15 pm – 3.30 pm	Short Break
3.30 pm – 5.00 pm	Continue of Module 4
5.00 pm – 5.30 pm	Q & A
End of Day 2	



AGENDA

Day 3	
9.00 am – 10.30 pm	Module 5: Powering Flutter Apps with Backend Data and Asynchronous Programming
10.30 am – 10.45am	Short Break
10.45 am – 12.30 pm	Continue of Module 5
12.30 pm - 1.30 pm	Lunch Break
1.30 pm – 3.15 pm	Continue of Module 4
3.15 pm – 3.30 pm	Short Break
3.30 pm – 5.00 pm	Continue of Module 4
5.00 pm – 5.30 pm	Q & A
End of Day 3	

Day 4	
9.00 am – 10.30 pm	Module 6: Integrating Flutter Apps with Firebase / Superbase Cloud Firestore
10.30 am – 10.45am	Short Break
10.45 am – 12.30 pm	Continue of Module 6
12.30 pm - 1.30 pm	Lunch Break
1.30 pm – 3.15 pm	Continue of Module 6
3.15 pm – 3.30 pm	Short Break
3.30 pm – 5.00 pm	Continue of Module 6
5.00 pm – 5.30 pm	Q & A
End of Day 4	