

iOS Programming

BCA Training KICK OFF

11 October 2023



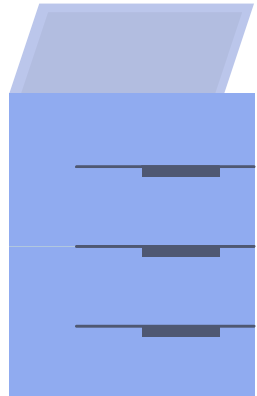
AGENDA

1.	Objective
2.	Timeline
3.	Syllabus Course Plan
4.	Scoring Mechanism
5.	Pre-test Review & Survey
6.	Training Notes
7.	Our Team



Objective/Goal

1. Understand the whole concept about iOS Programming
2. Participants able to develop web application by using iOS Programming from scratch
3. To equip participant with IT knowledge related to iOS Programming in order to learn how to apply use cases in real life



Timeline

Pre-event

12, 13, 18, 19, 20 October

24 October

Pre-Test & Kick-Off

Training Session

Post-Test

Details:

- Pre-test was held to test the participants' ability
- Installation of software, and/or Emulator needed
- Kick-Off

Details:

- Contains of 5 days training
- Training start from 9 AM - 4 PM (full day) on Mon-Thu and 8.30 AM - 4 PM on Fri
- Tasks and Hands-on

Details:

- Post-test was held to assess participants' knowledge and ability after they have received training in theoretical and practical

Learning Method

On site Class Training

Quiz, Team Discussion, Presentation, Practice, Leaderboard, Point & Reward

Timeline

12 Oct 2023	Day 1
09.00 - 10.05	Overview of Xcode Swift Playground Project Structure
10.05 - 10.25	Coffee Break
10.25 - 12.00	Overview of Swift Basic syntax, data types, variables, and constants Control flow statements (if-else, switch, loops) Array
12.00 - 13.00	Istirahat Siang
13.00 - 15.00	Overview of Dictionary & Set Class, Object, Inheritance, Properties
15.00 - 15.20	Coffee Break
15.20 - 16.00	Method Access control and encapsulation Error handling with do-try-catch

13 Oct 2023	Day 2
08.30 - 10.05	Apps lifecycle
10.05 - 10.25	Coffee Break
10.25 - 11.30	Apps lifecycle
11.30 - 13.00	Istirahat Siang
13.00 - 15.00	Overview of Storyboard UI Element UI kit Custom UI Element (Component Element) Tableview , Stackview , Scrollview
15.00 - 15.20	Coffee Break
15.20 - 16.00	Overview of Storyboard UI Element UI kit Custom UI Element (Component Element) Tableview , Stackview , Scrollview

Timeline

18 Oct 2023	Day 3
09.00 - 10.05	Dependency Manager in Swift Swift Package Manager Cocoapods
10.05 - 10.25	Coffee Break
10.25 - 12.00	Dependency Manager in Swift Swift Package Manager Cocoapods
12.00 - 13.00	Istirahat Siang
13.00 - 15.00	Overview of RESTFul API Http Request Authentication & Authorization
15.00 - 15.20	Coffee Break
15.20 - 16.00	Overview of RESTFul API Http Request Authentication & Authorization

19 Oct 2023	Day 4
09.00 - 10.05	Coredata Database Schema
10.05 - 10.25	Coffee Break
10.25 - 12.00	Overview of Model-View-ViewModel (MVVM) MVVM Architecture MVVM Implementation
12.00 - 13.00	Istirahat Siang
13.00 - 15.00	Overview of Swift UI Swift vs Swift-UI Swift UI Playground
15.00 - 15.20	Coffee Break
15.20 - 16.00	Overview of Swift UI Swift vs Swift-UI Swift UI Playground

20 Oct 2023	Day 5
08.30 - 10.05	Setup Environment for Development , UAT & Production
10.05 - 10.25	Coffee Break
10.25 - 11.30	Setup Environment for Development , UAT & Production
11.30 - 13.00	Istirahat Siang
13.00 - 15.00	Responsive UI
15.00 - 15.20	Coffee Break
15.20 - 16.00	Connect to API Watch

Syllabus Course Plan

iOS Native Swift

Day	Topic	Sub - Topic
Day 1	Introduction to XCode	Overview of Xcode Swift Playground Project Structure
	Swift	Overview of Swift Basic syntax, data types, variables, and constants Control flow statements (if-else, switch, loops) Array , Dictionary & Set Class, Object , Inheritance, Properties, Method Access control and encapsulation Error handling with do-try-catch



Syllabus Course Plan

iOS Native Swift

Day	Topic	Sub-Topic
Day 2	IOS Lifecycle	Apps lifecycle
	Storyboard UI	Overview of Storyboard UI Element UI kit Custom UI Element (Component Element) Tableview , Stackview , Scrollview
Day 3	Third Party Dependencies	Dependency Manager in Swift Swift Package Manager Cocoapods
	Rest API	Overview of RESTFul API Http Request Authentication & Authorization



Syllabus Course Plan

iOS Native Swift

Day	Topic	Sub-Topic
Day 4	Localstorage	Coredata Database Schema
	Design Pattern	Overview of Model-View-ViewModel (MVVM) MVVM Architecture MVVM Implementation
	Swift UI	Overview of Swift UI Swift vs Swift-UI Swift UI Playground



Syllabus Course Plan

iOS Native Swift

Day	Topic	Sub-Topic
Day 5	Build Variant	Setup Environment for Development , UAT & Production
	Introduction to Watch	Responsive UI
	Watch Connectivity	Connect to API Watch



Scoring Mechanism

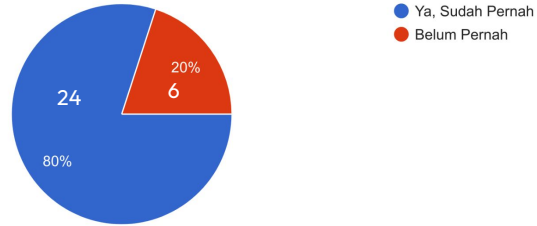
Trainee will be reviewed and having their outcomes assessed based on how they adjust to the new digital competency upskilling.



Survey

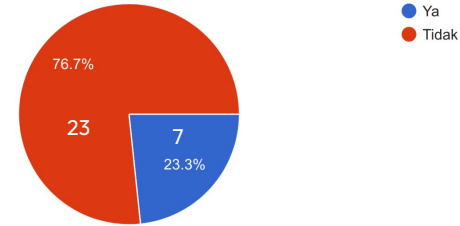
Apakah Anda sudah pernah membuat Software?

30 responses



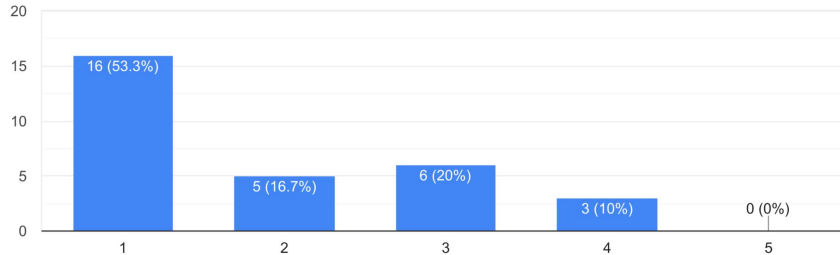
Apakah Anda pernah membuat aplikasi IOS sebelumnya?

30 responses



Seberapa familiar Anda dengan bahasa pemrograman Swift?

30 responses



Jika Ya, bahasa pemrograman dan tool apa yang digunakan?

29 responses

-

Swift, Xcode

Swift di xcode

Vscode

XCode

Menggunakan Dart (Flutter)

Tools : Xcode, CocoaPods, & Flutter SDK
 Programing Languange : Dart & Swift

Swift dengan xcode

xcode, swift



Training Participants

No	Nama
1	Shilvia Meidhi Honova
2	Surya Dharma Setiawan
3	Meily Zanetta
4	Albert Tjahjadi
5	Melisa Chatrine Kamu
6	Andrew Abednego
7	Nurdifa febrianti
8	Eras Timothy
9	Kevin Tanuwijaya
10	Exaudina Glory Sianturi
11	Arief Darvin
12	Christian Kurniawan
13	Filbert Amadea Shan Noel
14	Mohamad Bagus Rizky
15	Ilham Fazri

No	Nama
16	Okta Saputra
17	Jeanet Felicia
18	Evelin
19	Yudi
20	Matthew Ma
21	Aditya Ismail
22	Kendricko Adrio
23	Kevin Nathanael Taufiek
24	Alvin Putra Sulaiman
25	Marcel Paramarta
26	Kevin Sagita Wibowo
27	Johnson Hartanto
28	Andres Freixa Sumihe
29	Marsekal Rama
30	Kevin Sunjaya



Training Notes

- Peserta telah menginstall aplikasi XCode
- Syarat kehadiran peserta adalah 80%
- Smart-casual outfit dress-code
- Be on time
 - Peserta bisa memasuki ruangan training pada pukul 8.30 WIB dan 8.00 pada hari Jumat
 - Training akan dimulai pukul 09.00 WIB - 16.00 WIB dan 08.30 - 16.00 pada hari Jumat
- Trainer dan asisten trainer akan membantu peserta selama training apabila mengalami kendala (error,dll) atau ada pertanyaan silakan mengangkat tangan
- Slide PPT akan dikirimkan ke grup H-1 sebelum training agar peserta bisa review lebih dulu
- Peserta harus mengisi feedback form setelah selesai training setiap harinya
- Peserta wajib mengambil nametag di meja yang telah disediakan, menggunakannya, dan mengembalikannya kembali setelah selesai training



Our Team

Role	Responsibility	Name	Contact
Training Facilitator	Liaise with BCA Training Lead Coordinate Training Team Monitoring Training team	Ocha Kerin	081287634262 082288480582
Co Facilitator	Handling Administration Training Logistic Management	Frany	082249740616
Trainer	Deliver the training	Hashfi	087818431332
Trainer Assistant	Support trainee on self-paced training Support Trainee on assignment Handling Question and Answer (Breakout room)	Giovani	081379132258

THANKS!

