

CHERUSSERI ZAINUDHEEN MUSLIYAR MEMORIAL ISLAMIC & ARTS COLLEGE					
APPLICATION for OFF COURSE _MAY SEMESTER 2024					
SUBJECT	FLUTTER			CREDIT	
				2	
NAME OF STUDENT	CIC No	NAME			
	15483	MOHAMMED ARSH KS			
CLASS	ALIYA 2				
TOTAL PERIODS IN SEMESTER	72				
	OFF COURSE MONTHLY STATUS				
	MONTH	DESCRIPTION		STATUS & REMARKS OF GUIDE	DATED SIGNATURE
			PORTIONS		
	NOV 2023	WEEK 4	<ul style="list-style-type: none"> Learn the basics of Dart programming language. Variables, data types, control flow, functions, and classes. 		
	DEC 2023	WEEK 1	<ul style="list-style-type: none"> Advanced Dart concepts: async/await, futures, streams. Exception handling in Dart. 		
		WEEK 2	<ul style="list-style-type: none"> Install Flutter and set up the development environment. Create your first Flutter app. Learn about Flutter widgets and the widget tree. 		
		WEEK 3	<ul style="list-style-type: none"> Dive deeper into Flutter widgets and layouts. Learn about stateful and stateless widgets. Explore commonly used widgets like ListView, GridView, Stack, etc. 		
		WEEK 4	<ul style="list-style-type: none"> Understand the Flutter layout system. Styling and theming in Flutter. 		
	JAN 2024	WEEK 1	<ul style="list-style-type: none"> Navigation in Flutter. Learn about routes, navigation stack, and named routes. 		

		WEEK 2	<ul style="list-style-type: none"> Understand the importance of state management in Flutter. Learn about setState, BLoC pattern basics. 		
		WEEK 3	<ul style="list-style-type: none"> Implement more advanced state management using Provider or Riverpod. Explore other state management solutions like MobX or getX. 		
		WEEK 4	<ul style="list-style-type: none"> Fetch data from APIs using http package. Handle JSON data and serialization/deserialization. 		
	FEB 2024	WEEK 1	<ul style="list-style-type: none"> Explore local data storage using shared_preferences or SQLite. Learn about state persistence. 		
		WEEK 2	<ul style="list-style-type: none"> Animations in Flutter. Understand custom animations and transitions. 		
		WEEK 3	<ul style="list-style-type: none"> Learn about Flutter's testing framework. Explore testing widgets and business logic. 		
		WEEK 4	<ul style="list-style-type: none"> Work on a small to medium-sized project to reinforce concepts. Implement user authentication and authorization. 		
	MAR 2024	WEEK 1	<ul style="list-style-type: none"> Integrate third-party packages and plugins. Optimize and debug your Flutter applications. 		
	APRIL 2024	WEEK 4	<ul style="list-style-type: none"> Build a more complex project that incorporates multiple concepts. Review and reinforce weak areas. Prepare a portfolio with your projects. 		

Off course proposal

(SUBJECT)

INTRODUCTION

Social media connects billions of users who share different types of content. Flutter is a vital skill that lets us create amazing and adaptable apps for any screen and device with one codebase. This can help us improve our practical life. Flutter is also a key part of social media, as we can create and access various content, themes, agendas, and entertainment with it. As a Flutter student, I want to join the social media content creators and support Flutter with my apps. I think Flutter can help us reach more people and show our knowledge and expertise.

METHOD OF STUDY

- **Research:** Searching and studying the relevant and reliable sources and materials for the Flutter project, such as books, articles, blogs, videos, etc.
- **Online class:** Enrolling and attending the online courses and tutorials that teach Flutter and Dart skills, such as Flutter1, Udemy2, etc.
- **Tutorials:** Following and practising the step-by-step guides and examples that demonstrate how to create an app using Flutter, such as Flutter Codelabs3, Flutter Cookbook4, etc.

IMPORTANCE & OBJECTIVE

- Enhance my skills and knowledge in Flutter, which is a popular and powerful UI toolkit for building cross-platform applications.
- Utilize the time I spend on the internet for productive things like this Flutter project.
- Create engaging and beautiful apps that can adapt to any screen size and device type.
- Showcase my portfolio and projects on the internet, where I have a wide range of audience and potential employers.
- Keep up with the latest trends and technologies in the Flutter field.
- Contribute to the open-source community and the Flutter ecosystem.

MATERIALS /TOOLS	<ul style="list-style-type: none">• VSCODE• Node js• Firebase
ASSIGNMENT & PROJECTS	<ul style="list-style-type: none">• Portfolio App Using flutter
REFERENCES	<ul style="list-style-type: none">• YouTube• Field Expert• Flutter Document• Dart Document• Github