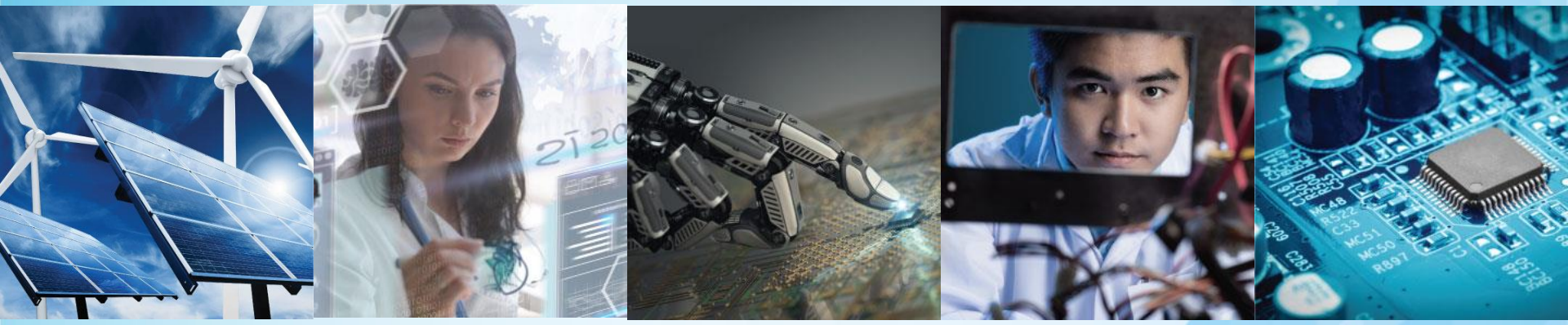


IEEE AP-S/MTT-S Egypt Section Chapter

Workshop Title: ***Mobile Application Development using Flutter Platform***

Workshop Presenter: ***Dr. Mokhtar Mohamed*****, Faculty of Computers and Artificial Intelligence, ALRyada University for Science and Technology**

Location: ***AL Ryada University, Sadat, Egypt***

Date: ***16 July 2024 - 15 August 2024***

IEEE
Advancing Technology for Humanity

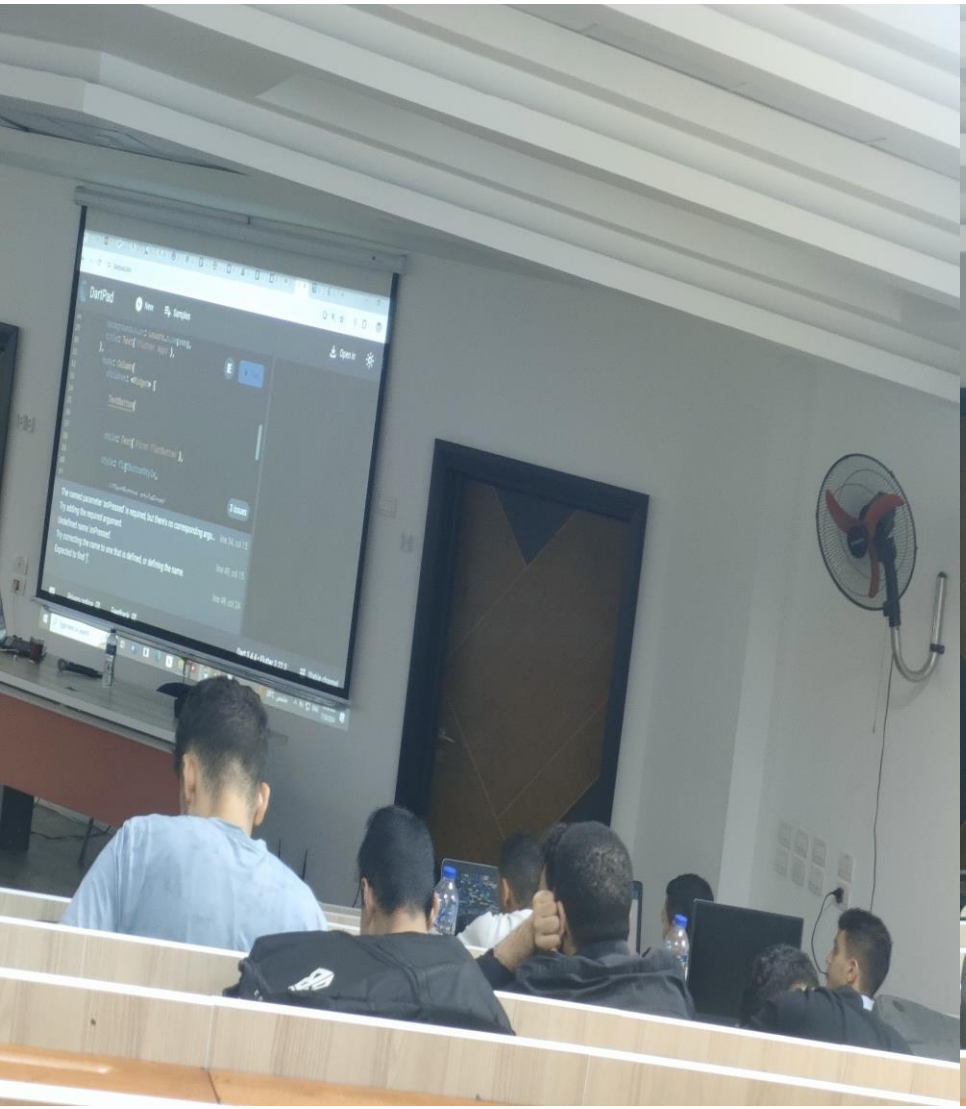
Agenda

- **Introduction**
- Acquiring good knowledge about Dart.
- Developing professional mobile Apps.
- Deploy Android or IOS versions.
- Connecting the Apps with cloud firebase.
- Connecting the Apps with a database (SQ lite).
- Conclusions
- **Discussion and applications.**

IEEE
Advancing Technology for Humanity

Compile to Native
Xamarin
Native Script
React Native
Flutter
Year
2011
2014
2015
2016
Company
Microsoft
Telerik
Facebook
Google
Language
C#
JavaScript
JavaScript
Dart

What is the Widgets
Everything within a Flutter application is a Widget in Flutter, from a simple "Text" to "Buttons" to "Screen Layouts".
These widgets arrange in a hierarchical order to be displayed onto the screen.
The widgets which can hold widgets inside it are called Container Widget.
Most of the layout widgets are container widgets except for the widgets which does a minimal job like "Text Widget".

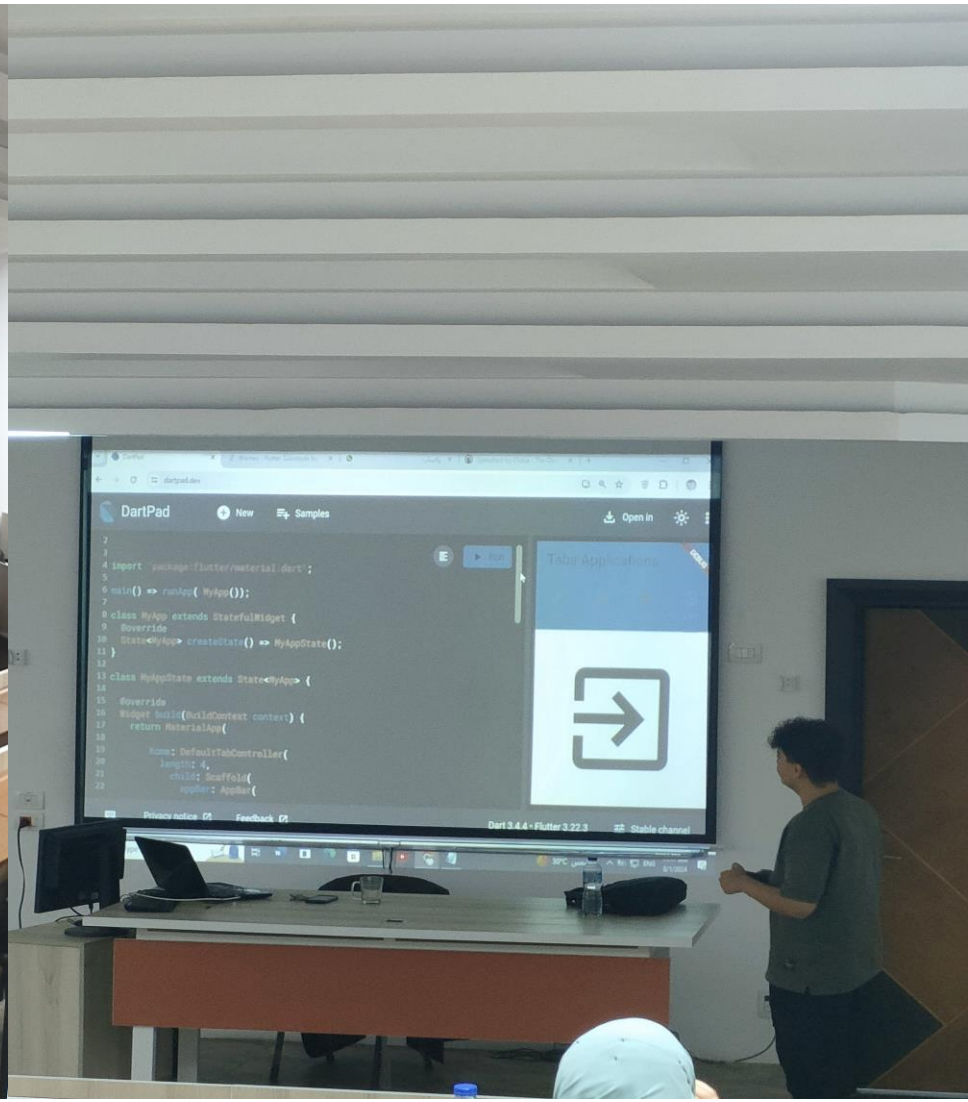

DartPad

DartPad

Compile to Native

Compile to Native
Xamarin
Native Script
React Native
Flutter
Year
2011
2014
2015
2018
Company
Microsoft
Telerik
Facebook
Google
Language
C#
JavaScript
JavaScript
Dart

Compile to Native
Xamarin
Native Script
React Native
Flutter
Year
2011
2014
2015
2018
Company
Microsoft
Telerik
Facebook
Google
Language
C#
JavaScript
JavaScript
Dart


DartPad
New
Samples
Open in
Tabs Applications
Run
Dart 3.4.4 • Flutter 3.22.3
Stable channel

Thank You

IEEE
Advancing Technology for Humanity