**Department of Information Technology**

**Academic Year: 2022-23 Name of Student:**

**Semester: VI Student ID:**

**Class / Branch / Div: TE- IT A/B Roll No.**

**Subject: MAD & PWA Lab Date of Submission:**

**Name of Instructor:**

**Experiment No.:8**

**Aim:** To deploy production ready Flutter App on Android platform

**Prerequisites:** Android studio, flutter SDK**.**

**Software:** Android studio, flutter SDK**.**

**Code & Output:**

Go to the site <https://docs.flutter.dev/deployment/android> and read the ***adding a launcher icon*** document part

Graphical user interface, text, application, email

Description automatically generated

🡪Go to <https://romannurik.github.io/AndroidAssetStudio/icons-launcher.html#foreground.type=clipart&foreground.clipart=airport_shuttle&foreground.space.trim=1&foreground.space.pad=0.2&foreColor=rgba(96%2C%20125%2C%20139%2C%200)&backColor=rgb(68%2C%20138%2C%20255)&crop=0&backgroundShape=circle&effects=none&name=ic_launcher> for downloading the logo for your app and add the logo to your asset folder

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated

🡪From <https://docs.flutter.dev/deployment/android> go ***to adding a launcher icon*** document part and click on the <https://pub.dev/packages/flutter_launcher_icons>

A screenshot of a computer

Description automatically generated

🡪From flutter\_launcher\_icons go to the setup option and add the **dev\_dependencies** to your ***pubspec.yaml*** file

Graphical user interface, text, application, email

Description automatically generated

A screenshot of a computer

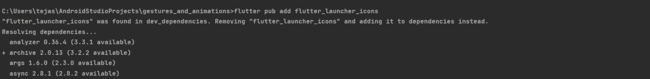
Description automatically generated

🡪Open terminal and the run the **flutter pub get** command

A screenshot of a computer

Description automatically generated with medium confidence

🡪To add flutter launcher run the command ***flutter pub add flutter\_launcher\_icons***



🡪Run the following commands to launch you icon

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

🡪Go to the site <https://pub.dev/packages/rename#parameters> and run the installation part

A screenshot of a computer

Description automatically generated

Graphical user interface, application

Description automatically generated

Text

Description automatically generated

🡪Go to the custom usage of <https://pub.dev/packages/rename#parameters> and run the following highlighted commands in highlighted format

Graphical user interface, text, application

Description automatically generated

A picture containing text

Description automatically generated

🡪Go to the default usage of the site <https://pub.dev/packages/rename#parameters> and run the highlighted commands in highlighted format

Graphical user interface, text, application, email

Description automatically generated

A picture containing graphical user interface

Description automatically generated

🡪Run the virtual device to see your desire result

A picture containing text, monitor, electronics, indoor

Description automatically generated

🡪Go to the site <https://docs.flutter.dev/deployment/android#signing-the-app> and create kep.properties in android folder

Graphical user interface, text

Description automatically generated

🡪Add the following commands in the file

Graphical user interface, text

Description automatically generated

🡪Use the following command to generate the apk: **flutter build apk --build-name=1.0.1 --build-number=1**

Text

Description automatically generated

🡪Check you apk released file by going to folder

Graphical user interface, text

Description automatically generated

🡪open the folder in your phone to see the working of the app

A screen shot of a cell phone

Description automatically generated with medium confidenceA picture containing shape

Description automatically generatedGraphical user interface

Description automatically generated

**Conclusion:** In this experiment we have deploy flutter app on android platform