NITTE | NMAM INSTITUTE OF TECHNOLOGY

(Deemed to be University)

(An off-Campus Institution of NITTE (DEEMED TO BE UNIVERSITY), MANGALORE)

A PROJECT REPORT *on*

CALCULATOR

With regards to the React Native Workshop

Being Conducted on 15th-16th March 2024

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1. SYNOPSYS

1.1 Title of the Project:

Calculator

1.2 Introduction:

This React Native app focuses on simplicity, allowing you to perform essential calculations like addition, subtraction, multiplication, and division with ease. Its clean interface mirrors the classic calculator design, making it comfortable and intuitive to use.

1.3 Project category:

Cross Platform Mobile Application

1.4 Objective:

- Easy and interactive interface makes it a user-friendly.
- It's major purpose is to build an application program to reduce the manual work of calculation.

2. SOFTWARE REQUIREMENT

2.1 Softwares used for Development :

- Operating System   :   Ubantu,Windows
- Tools   :   Android Studio
- Packages   :   Node JS, npm,

2.2 Softwares Required For Execution :

- Operating System   :   Any
- Tools   :   Android Studio
- Packages   :   Node JS, npm,

3. HARDWARE REQUIREMENT

3.1 Hardwares used for Development :

- Processor   :   intel i5 12th Gen
- RAM   :   8 GB
- Solid State Drive   :   512 GB

3.2 Hardwares Required For Execution :

- Processor   :   intel i5 12th Gen or Higher
- RAM   :   8 GB or Higher
- Solid State Drive   :   512 GB or Higher

4. Modules

4.1 Welcome Module:

Purpose: Greets users upon launching the app
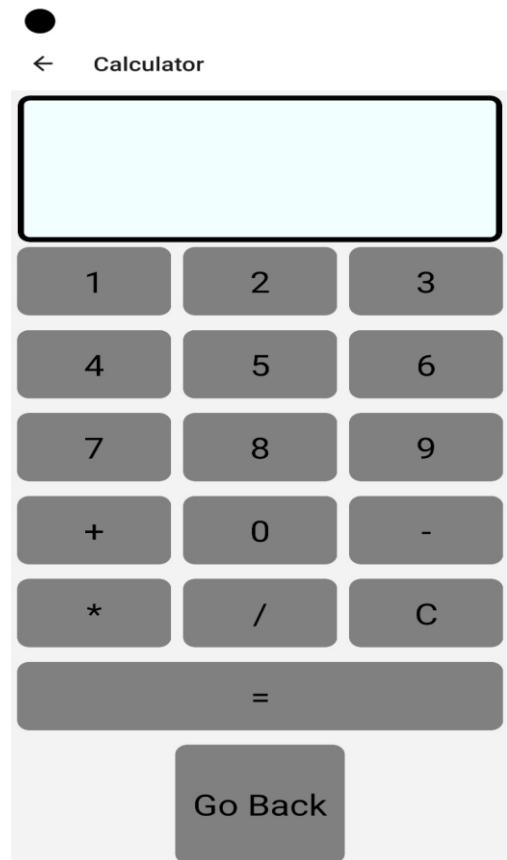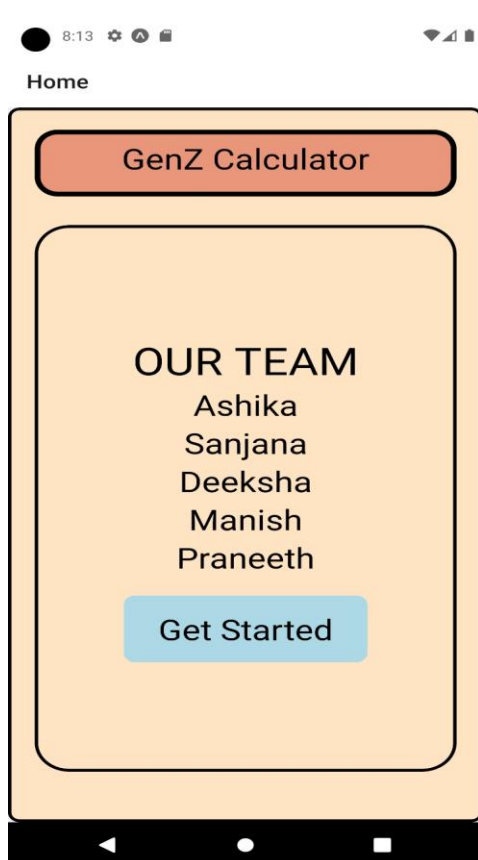
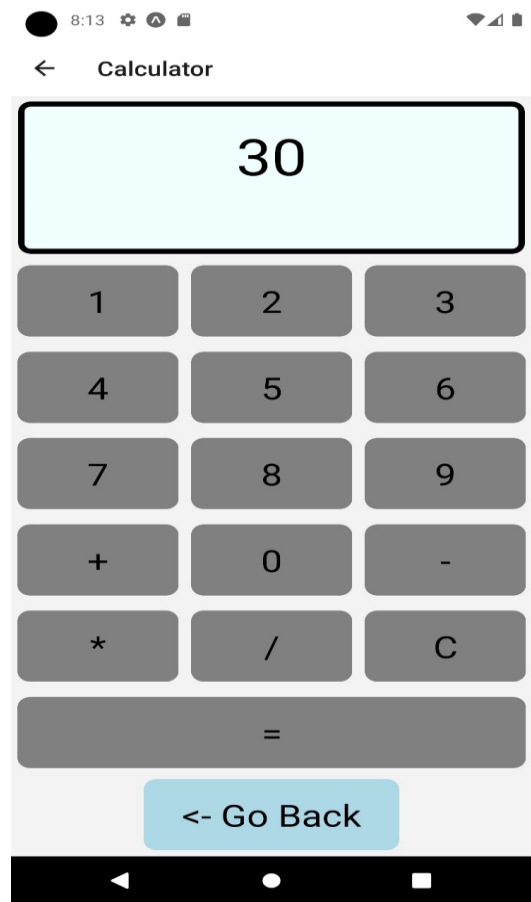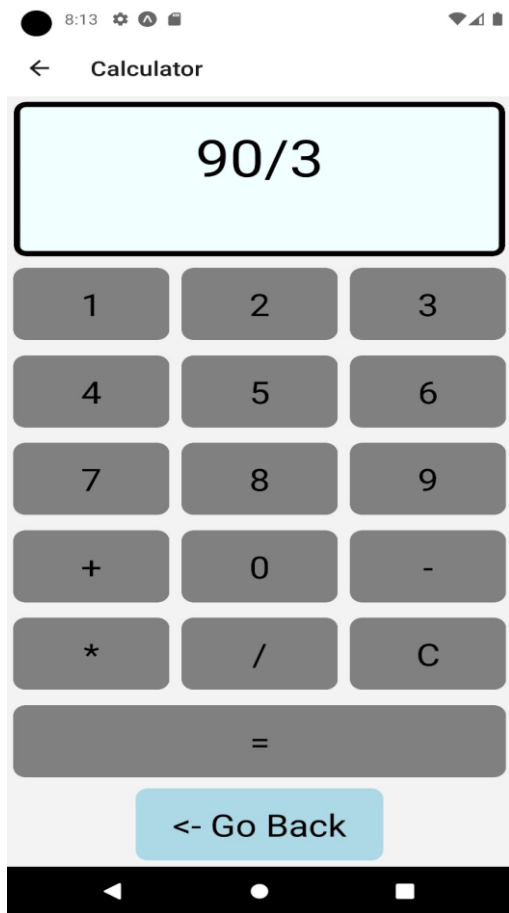Features: Displays team members name

4.2 Calculator Module:

☐ Purpose: Provides a familiar and easy-to-use calculator experience.

☐ Features:

- Mimics the classic calculator design.
- Currently performs basic calculations: addition, subtraction, multiplication, and division.

ScreenShots:

90/3

1	2	3
4	5	6
7	8	9
+	0	-
*	/	C

=

<- Go Back

30

1	2	3
4	5	6
7	8	9
+	0	-
*	/	C

=

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5. Conclusion and Future Enhancements

5.1 Conclusion:

Calculator clone successfully delivers a familiar and user-friendly experience for performing basic calculations on your mobile device. Its focus on simplicity and its intuitive design based on the classic calculator make it a valuable tool for everyday use.

5.2 Future Enhancements:

While Calculator excels in basic functionality, here are some exciting possibilities for future enhancements:

- **Advanced Calculations:** Expand functionality to include features like percentages, exponents, logarithms, and trigonometry.
- **Memory Function:** Implement memory buttons for storing and recalling intermediate results.
- **History:** Allow users to view a history of previous calculations for easy reference.

6. BIBILIOGRAPHY

- **www.reactnative/documentation**
- **https://stackoverflow.com/**
- **https://github.com/**
- **https://www.tutor**
- **ialspoint.com/react_native/index.htm**