

# **Project Title:** **KoffeeKo**

**(Team)**

## **TEAM MEMBERS AND THEIR REGISTRATION NUMBERS**

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## **CSE4002: Mobile Application** **Development**

## **ABSTRACT**

Every company throughout the world allows employees to start their workday with their preferred coffee. Typically, one employee will go around the table and write down everyone's coffee order, or the cafeteria staff may collect orders before brewing the coffee. This method is wasteful and unsustainable.

The objective is to give office personnel, cafeteria staff, and management a platform—or mobile application—to assist modernization and environmentally friendly practices.

The mobile software will be made mandatory for the staff to download on their smartphones. KoffeeKo offers three user interfaces: one for management, one for cafeteria staff, and one for staff members.

Employees must first register for the app and may then set their name, the quantity of sugar cubes they want in their coffee, and whether they want a light, medium, or dark coffee using the settings button. The workers can update the information by pressing the update button once it has been set.

The cafeteria staff may easily sign up for the app using their legitimate credentials. After that, they may log in to the app, which will then display a list of the workers with coffee preferences so they can start brewing their coffee right away.

The admin interface will allow administration to view the number of employees and cafeteria staff who have registered on the app.

For the front end, **Flutter** will be used. Google's portable UI toolkit, Flutter, allows developers to create stunning, natively built apps from a single codebase for desktop, mobile, and the web. It expedites app development and lessens the expense and difficulty of creating apps across platforms.

To store user data, **Firebase** will serve as the back end. This platform is crucial due to its many features. It can report 500 different event kinds, each with 25 characteristics, and it is free. The dashboard is excellent for tracking traits and watching user activity. Understanding how users interact with our software helps us improve its future optimization.

To collaborate on the project, we'll utilize **GitHub**.