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## Labour At Click Application

*Ashish Sarpate, Aditya Shahane, Dhanashri Kulkarni\**

*Final year students, Department of Computer Engineering, Marathwada Mitra Mandal's Polytechnic, Thergaon, Pune, Maharashtra, India..*

*Project Guide, Department of Computer Engineering, Marathwada Mitra Mandal's Polytechnic, Thergaon, Pune, Maharashtra, India..*

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### ABSTRACT

As we all know that there are many advanced technologies used in today's lives due to which the labours work is reduced. And due to which the labours face problems of finding work. But there is a solution for this problem, in today's world the common used technology is mobiles, and everyone has one. So are here with an mobile application "Labour at Click". This application will help to find the work for them. It has simple UI with simple labour options (Painter, plumber, carpenter, etc). after selecting a particular labour user can directly contact them via call. And for confirmation of hiring users have to click on hire button so that labour will receive a message with users address on it. The main motive of this project is to help the unemployed labours to find work with the help of the smartphones.

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Keywords: Labour At Click app, android application, service based app.

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### 1. INTRODUCTION

As the increase in technology the human effort have reduced a lot. For small home work we use advanced technologies and the work is done in no time. Due to this advanced technologies the labour work is also decreasing and the labours have to face severe loss as they cant find the jobs to do. But there are also some things where we only requires labours and at that instance we cannot find the labours. So, this problem is with both the labours and the consumer where on is not finding the job and another not getting the labours to do it.

As a solution to this problem we are here with an mobile application which will help the labours to find the jobs to do also will help the consumers to get the labours. These application contains some labours options such as painter, carpenter, plumber, etc. the consumer has to select an option and add the location from which area he wants to hire the labour, after that he will get the details and can contact then and can hire the labours also he can select the payment mode for money transfer. This is how the consumer can find labours and can be beneficial for both of them.

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### 2. LITERATURE REVIEW

Due to Covid 19 pandemic many people especially labours lost their jobs. 5.2 million workers – one in six of the workforce were still away from work or working fewer hours at the end of September, after lockdown many labours find it difficult to find work. Contractors were facing shortage of labours. This app help households to find labours to do small scale works such as painting, electricity work etc. Labours can easily find work.

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### 3. TECHNOLOGIES USED

- A. Hardware used – Laptop with
  - Installed memory - 4 gb and more ram
  - System type – 64 bit OS

**B. Platform**

1. Android Phone

**C. Software Tools Used**

1. Microsoft Windows 7 or above
  2. Android studio
  3. Firebase Database
  4. Java Development kit
- **ANDROID STUDIO** : Android Studio is the official Integrated Development Environment (IDE) for android application development. Android Studio provides more features that enhance our productivity while building Android apps. Android Studio was announced on 16th May 2013 at the Google I/O conference as an official IDE for Android app development. It started its early access preview from version 0.1 in May 2013. The first stable built version was released in December 2014, starts from version 1.0. Since 7th May 2019, Kotlin is Google's preferred language for Android application development. Besides this, other programming languages are supported by Android Studio.
  - **FIREBASE DATABASE** : The Firebase Realtime Database is a cloud-hosted database in which data is stored as JSON. The data is synchronized in real-time to every connected client. All of our clients share one Realtime Database instances and automatically receive updates with the newest data, when we build cross-platform applications with our iOS, and JavaScript SDKs. The Firebase Realtime Database is a NoSQL database from which we can store and sync the data between our users in real-time. It is a big JSON object which the developers can manage in real-time. By using a single API, the Firebase database provides the application with the current value of the data and updates to that data. Real-time syncing makes it easy for our users to access their data from any device, be it web or mobile.

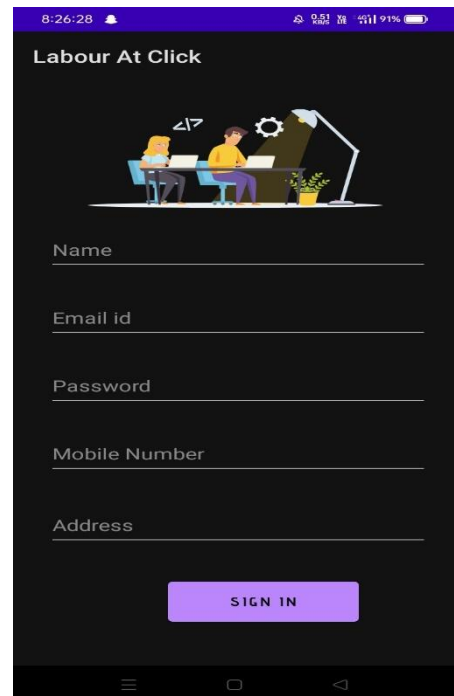
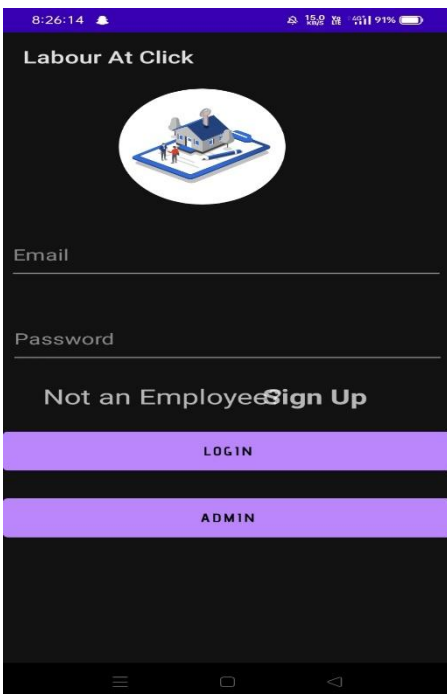
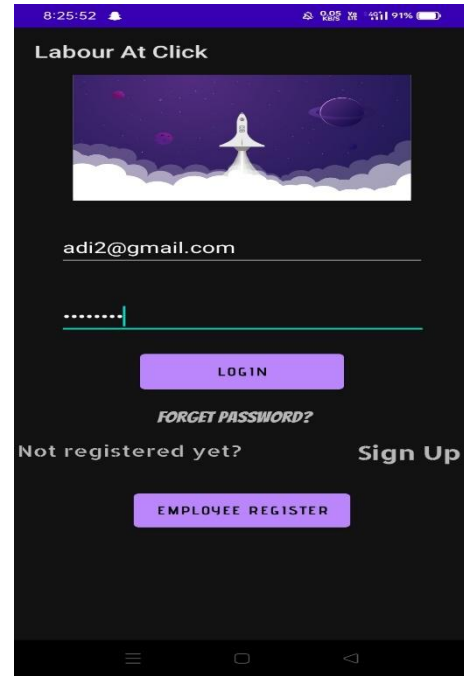
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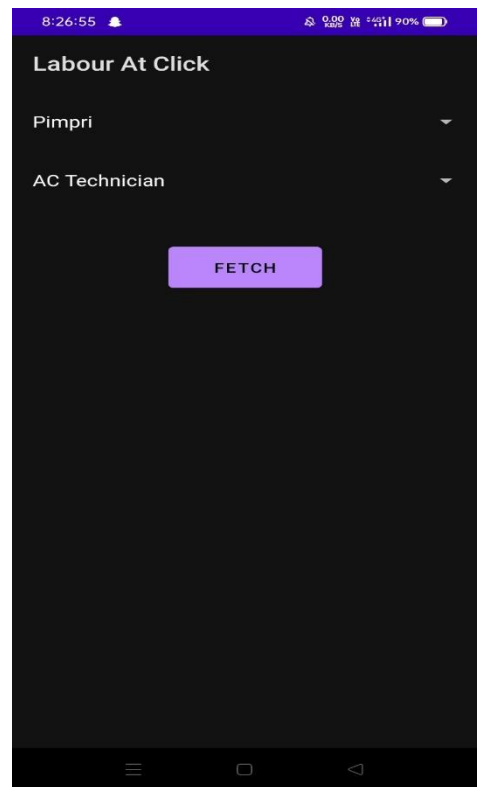
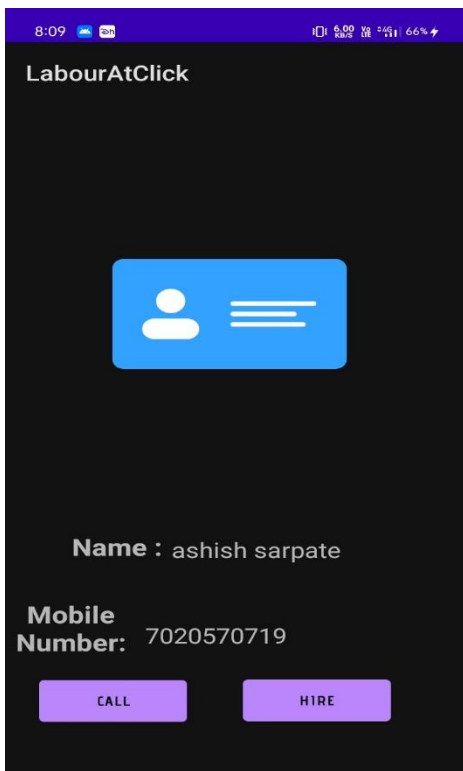
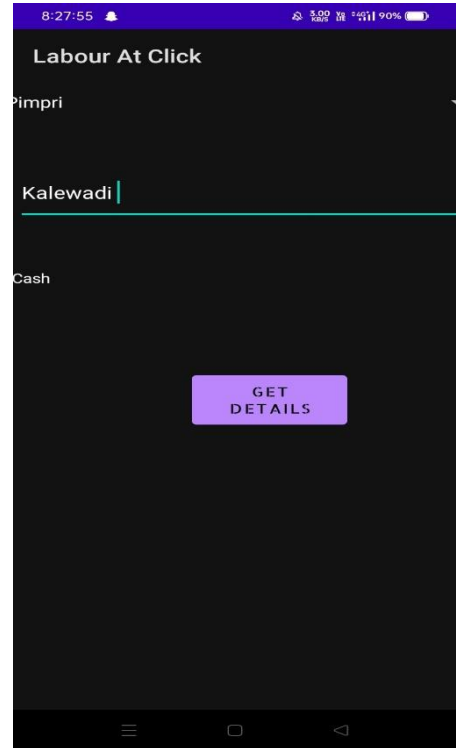
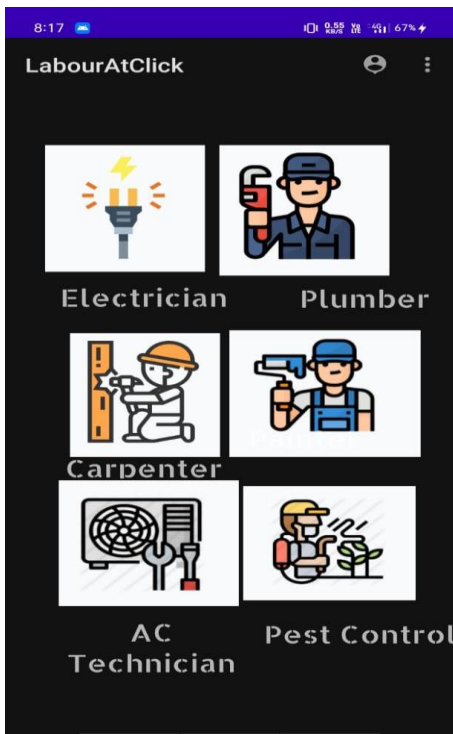
## 4. METHODOLOGY

This application was made using java, firstly the login page was created where the user has to login by using this email id and password and if the user is new than he has to register by adding the details such as his email id, password, mobile no and address. After adding the details an OTP page will pop out where the person has to verify the OTP generated on the provided mobile no.

After registration the next pages opens is of the options of people required for the work. In this page you can choose that what kind of worker is required, for example if a user want to do painting work in her house so he/she select painter option . After choosing painter option the next page opens in which you have to select your town and then enter the your address after that you have to click on get details , list of available workers will be shown, click on any worker as per your choice. After that you will be directed to next page showing the details of the workers or labours with their name, mobile no, occupation and address. From these page a person can get details and contact info about the worker. There a two options first is call this helps you to call particular labour and make confirmation about the work. Second option is of hire this option will send a message to the labour stating the id of user and location.

### 5. SCREENSHOTS OF APPLICATION





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## 6. Conclusion

The labour at click app is designed in such a way that the Households/Users will find it easy to search labours of various category in their area. The users will no longer have to enquire to various people or visit enterprise shops for small scale works, they will find experienced workers at a click at their their doorstep. The labours will also get jobs on daily basis, the UI for user kept so simple for labours.

The main objective of this is to provide good service to users and provide employment opportunities to labouers.

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## 7. REFERENCES AND BIBLIOGRAPHY

- Google
- Introduction to Android Development - GeeksforGeeks
- Android development books