

MIGRATION LABOUR APPLIATION

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Technology degree in Information Technology

by

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**DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING**

SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**

Accredited with Grade "A" by NAAC

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BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of PAVITHRA PRIYA K(REG NO: 38120056) NITHYA M (REG NO: 38120055) who have done the Project work as a team who carried out the project entitled "**MIGRATION LABOUR APPLICATION**" under my supervision from November 2020 to April 2021.

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DECLARATION

We, PAVITHRA PRIYA K (REG NO: 38120056) and NITHYA M (REG NO: 38120055) hereby declare that the Project Report entitled “**MIGRATION LABOUR APPLICTION** “done by us under the guidance of **Dr.M.Saravanan, M.E.,Ph.D.,** is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

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ABSTRACT

A huge number of every day wage migrant labours out of nowhere ended up without occupations or a kind of revenue and trapped in different states/areas. Those migrants live in unhygienic conditions making medical issues and drove a poor life. This on-going work intends to bring back them to their local , by giving them an E-card to simple relocation. One should fill all of the necessities asked in the application, then, at that point, can see their profile. E-card will be automatically create. On the off chance that any catastrophe or wild circumstance happens, the administrator will assist the client with moving from one spot to other. It shows the pace of work relocation in information examination and representation .It assists the public authority with observing the works who were stuck in different states/districts. These subtleties can directly go to government and steps can taken in like manner.

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CHAPTER 1

INTRDUCTION

1.1 GENERAL INTRODUCTION:

A great many migrant laborers are expected to be passed on jobless in India because of the lockdown and ensuing apprehension about downturn. A significant number of the migrant laborers have gotten back to their towns, and a lot more are simply trusting that the lockdown will be lifted.

A significant number of them are anyway stuck at borders, including state, locale and public boundary regions. These are the most underestimated segments of the general public who are subject to day by day compensation for their living.

Quick worries looked by such traveler laborers connect with food, cover, medical services, feeling of dread toward getting contaminated or spreading the disease, loss of wages, worries about the family, uneasiness and dread. Transient specialists confronted with the circumstance of putting in a couple of days in transitory havens, which might be quarantine focuses, while attempting to reach to their local spots, are loaded up with nerves and fears coming from different worries, and are needing psycho-social help.

1.2 OBJECTIVE:

- Tens of thousands of daily-wage migrant workers suddenly found themselves without jobs or a source of income and stuck in other states/districts.
- To bring back to their native , we providing E-card for easy migration.

1.3 EXISTING SYSTEM:

There is significant percentage of population that is still untouched by the revolution of new technologies and are either unaware of or are unable to catch the momentum. There are a variety of reasons for the impact of technology revolution on human population. Firstly, 53% of world population cannot afford a PC or high end phones and secondly a significant portion of 30% is illiterate and semi-literate who do not know how to operate a computer [1]. However, telecommunications have become commodity for the common man. The cost of a phone is significantly lower than a PC and learning required for the phone is not that much of a PC. Thus, telecommunication can help to enable the technologies to reach to the common man. Following section provides brief account of activity for successful migration at required place(s) and also focuses on how to get control on improvement with the issue of poor sanitation.

.

1.4 PROPOSED SYSTEM:

Migrant workers contribute to growth and development in their countries of destination, while countries of origin greatly benefit from their remittances and the skills acquired during their migration experience. Yet, the migration process implies complex challenges in terms of governance, migrant workers' protection, migration and development linkages, and international cooperation. But the life of a migrant worker is often a harsh and isolated one. Cut off from their loved ones and support networks; often unaware of local laws, languages and customs; and frequently denied the same rights as national workers, migrant workers are particularly vulnerable to abuse and exploitation.

CHAPTER 2

LITERATURE SURVEY

TITLE : Labor Grid - for Effective Labor Migration

AUTHORS: Vishal Dave , Rahul Bhadauriya, Nikunj Darji, Sanjay Chaudhary, Gunvantsinh Gohil

YEAR: 2012

Many times they migrate to places where they may not get employment immediately or may not get at all. They live in poor and unhygienic conditions creating health problems. Contractors do not get required laborers with expected level of skill sets. Mobile phones can be used as an effective measure to send necessary communication among them. This on-going work aims to use mobile phones, IVRS, speech engine and messages in regional languages to establish effective communication to support livelihood for the laborers living in rural and remote areas. In this paper, architecture is proposed and prototype is implemented to realize it. Algorithms to perform matching, black listing and alert generation are implemented and tested.

Pros:

Experimentation with blacklisting. As laborers and contractors blacklist each other, their ranks will be incremented accordingly

Cons:

Result of the proposed system contains received SMS in mobile phone. Right now we are using free SMS API which is not supporting Unicode based Gujarati

TITLE: Big data Application for Nepalese government:A Proposed Solution for LaborMigrant

AUTHORS: Pratima Pradhan ,Subarna Shakya

YEAR: 2017

A governmental innovation with smarter technology to resolve the missing gaps in the existing labour migrant process . It explores issues and challenges for the enhancement of the existing labor migrant princesses in the e-governance system of Nepal The labor migrant industry has a huge impact on the economic and social development of this country Nepalese migrant workers are often led to unsuitable jobs causing lower benefits and mishaps Nepal government has taken several steps to rectify policies and guidelines organize processes for this industry. But the slow development in implementation of the guidelines has not been able to overtake complexity gaps with the rapid growth of the industry.

Pros:

Smart card tracking system with the labour permit number attached

TITLE:

AUTHORS: Yanan Song

Faculty of Administration and Management, Macau University of Science and Technology

YEAR:2013

The findings imply the labor migration meets the long-term benefit for Macau's benefits and development.

PROS: In home -job opportunity

AUTHORS: Guoqiang Ren

YEAR :(2009)

The Research on the Information Service System of Rural Labor Migration. This paper analyzes the connection between the help interest of the provincial work and the connected government office. It gives the authoritative construction and finishes up the three capacities: work administration, the support of the freedoms and interests and the

ability preparing of the data administration framework, which concentrates on the organization model and the method of the data changes. The development of the framework has the extraordinary importance to diminish the visual deficiency of relocation and the expense of traveler, elevates the non-transients to settle on reasonable choice.

CHAPTER 3

AIM AND SCOPE OF THE MODEL

3.1 AIM :

Tens of thousands of daily-wage migrant workers suddenly found themselves without jobs or a source of income and stuck in other states/districts.

To bring back to their native , we are providing E-card for easy migration.

3.2 SCOPE OF THE PROJECT:

This on-going work intends to bring back labors to their local , by giving them an E-card to simple relocation. One should fill every one of the necessities asked in the application, then, at that point, can see their profile. E-card will be naturally create. On the off chance that any catastrophe or wild circumstance happens, the administrator will assist the client with moving from one spot to other. It shows the pace of work relocation in information examination and representation .It assists the public authority with observing the works who were stuck in different states/districts. These subtleties can straightforwardly go to government and steps can taken in like manner.

3.3 Advantages

- Servey problems will not arise.
- The government can analysis the stuck people who needs help and do their needy.
- Data security

3.4 Disadvantage:

- The entries need to be updated for the labours who need to make two or three migration, to find current location.
- Locations might be go wrong when ever the data is not true

3.5 Features

- The identified fake details will be known by admin through Aadhaar card upload verification for security.
- OTP will generate to the user declared mobile number for next level verification.
- CHAT BOT was included to rectify the user's query while using the application.
- Changing mode option is also available for user satisfaction. Contact us module will help the user to write their query to admin through mail .
- Navigation bar intended to aid visitors in accessing information.

CHAPTER 4

METHODOLOGY AND IMPLEMENTATION

4.1 SYSTEM REQUIREMENTS:

Operating system : Windows/Mac

RAM : 4GB

Processor : 64x 1.0Ghz processor

ROM : 8GB

4.1.1 Software Requirements:

Software requirements deals with defining resources requirements and prerequisites that needs to be installed on a computer to provide functioning of an application the minimal software requirements are as follows,

- Python version 3.10
- Kivy framework- Python framework for developing mobile apps and other multitouch application software with a natural user interface.
- Twilio - provides programmable communication tools for making and receiving phone calls, sending and receiving text messages, and performing other communication functions using its web service APIs.
- Sqlite3 - The type system of the sqlite3 module is extensible in two ways: you can store additional Python types in a SQLite database via object adaptation

4.2 PACKAGES :

4.2.1 Kivymd:

Open source python framework for rapid development of applications that make use of innovative user interfaces, such as multi-touch apps.

4.2.2 Socket :

Socket programming is a way of connecting two nodes on a network to communicate with each other. One socket(node) listens on a particular port at an IP, while the other socket reaches out to the other to form a connection. The server forms the listener socket while the client reaches out to the server.

4.2.3 Garden :

kivy has shifted from using the garden legacy tool that installs flowers with *garden install flower* where the flower does not have a proper python package structure to flowers that can be installed with pip and uploaded to pypi.

4.2.4 Pil :

4.3 ARCHITECTURE DIAGRAM:

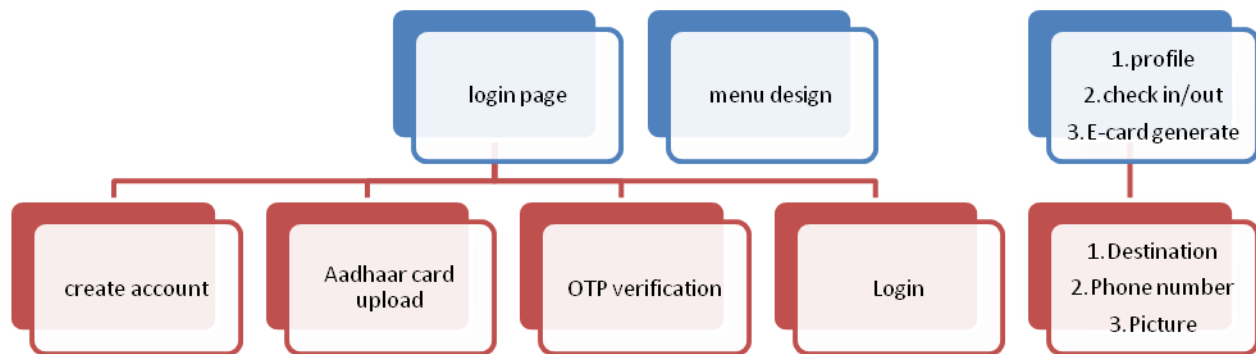


Figure 4.1 System Architecture

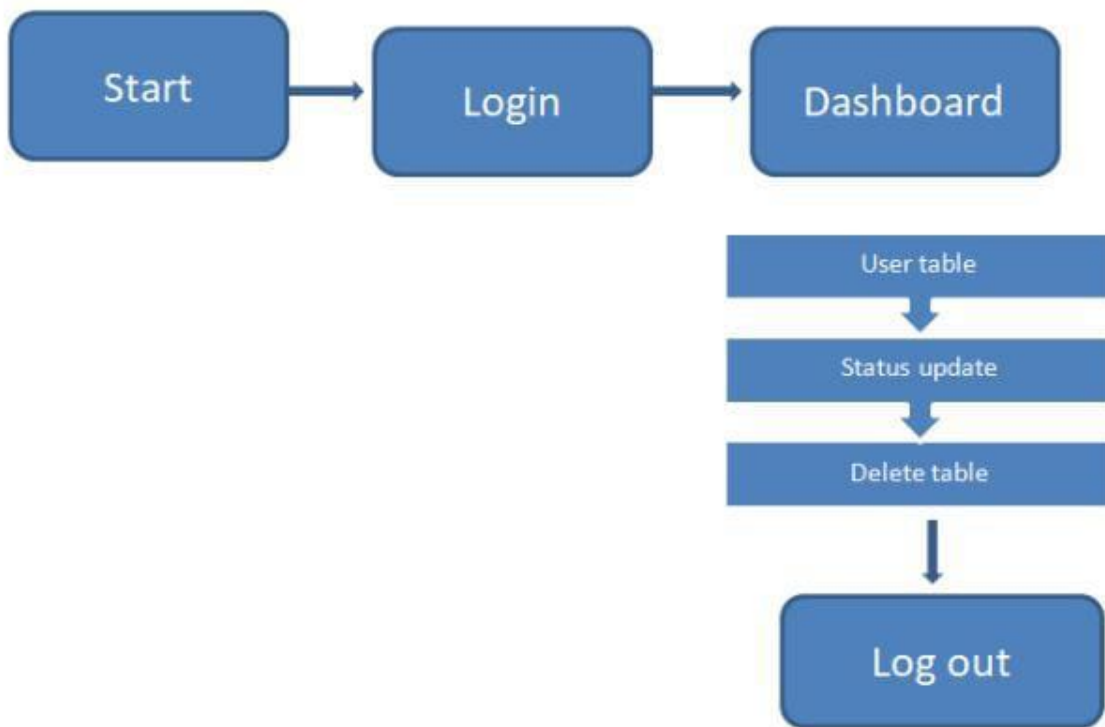


Figure 4.2 Admin architecture

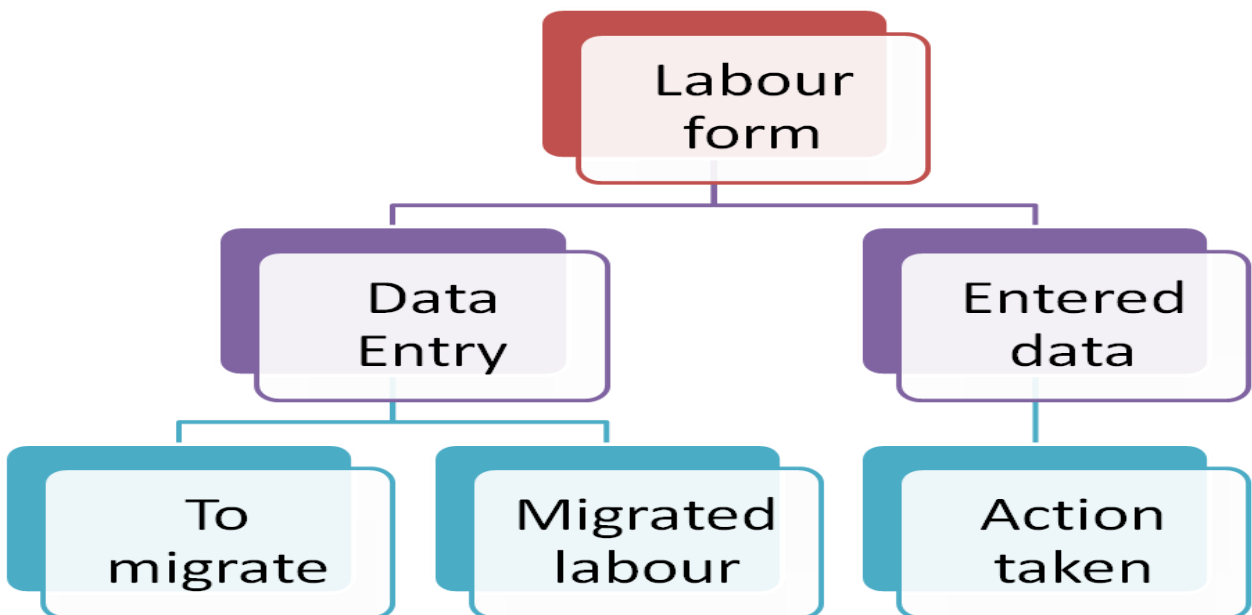


Figure 4.2 overall Application

4.4 IMPLEMENTATION:

- Labor form register
- E-card generation
- Chat bot
- Admin authority
- Admin authentication

4.4.1 Labor form register:

Labor form register will access by the government. They can find the authority through the data given by the labors: It is designed to communicate dynamically with user interface and database schema. It contains processing elements. Application layer is responsible for fetching registered data from central registry, processing it and sending notifications based on matching criteria.

4.4.2 E-card generation:

The ultimate aim of the project is to produce digital card i.e E-card. This system provides single source online identity verification across the country .The one who can have this e-card will be authorised to move to other place securely with the help of government. One can sign up with their aadhaar card and phone number. User must have an Aadhaar Card.User must have an active mobile phone number linked with their Aadhaar. User Aadhaar must have your updated and correct details .Once the login is done, one can view their profile. E-card will be automatically generated. If any disaster or uncontrollable situation occurs, the admin will help the user to migrate from one place to other.



Fig 4.4.2 Migration card

4.4.3 Chat Bot

Chat bot module is designed to help the user by answering the questions asked by them. The program is implemented using python programming language. The design of a Chatbot is very simple. It answers to the questions asked by the user, if the question is found in the database. The conversation follows a Basic English language and interacts in an easy to read manner.

4.4.4 Admin authority:

Admin can view the details given by the user and also maintain the survey details. If any disaster or uncontrollable situation occurs, the admin will give user details to government. Then the government will do the needful to the user. They can prevent the data.

4.4.5 Admin authentication:

Admin can authenticate others. In contrast with identification, the act of indicating a person or thing's identity, authentication is the process of verifying that identity. (verification and security purpose).

CHAPTER 5

RESULT AND FUTURE WORK

5.1 RESULT ANALYSIS:

After effect of the proposed framework contains got SMS in cell phone. The present moment we are utilizing free SMS API which isn't supporting Unicode based various dialects .So we generate messages in English format as shown in the fig

The labours can access their own mother language.After the completion of the process ,the labour can contact through helpline. No one can enter the fake details(it can identify through Aadhaar card with mobile number by sending OPT verification) Whenever the disaster make people to migrate

The below image shows the login process in flow:

5.1 .1USER PANEL:

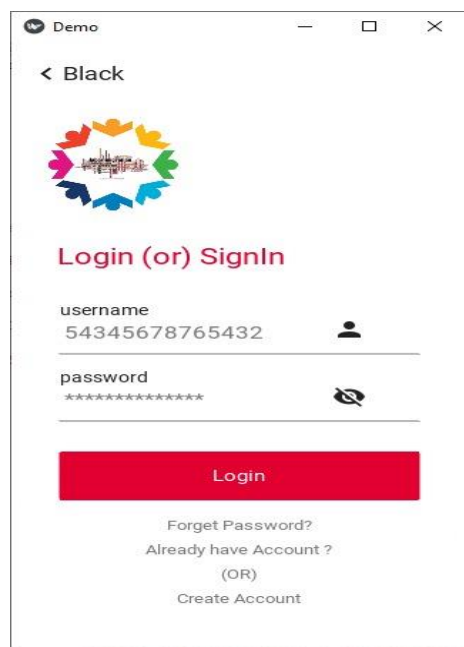
The screenshot shows a mobile application interface for a login page. At the top, there is a back arrow and the text "< Black". Below this is a logo consisting of colorful hands holding a city skyline. The main heading is "Login (or) SignIn" in red. There are two input fields: "username" with the value "54345678765432" and a person icon, and "password" with masked characters "*****" and an eye icon. A red "Login" button is at the bottom. Below the button, there are links: "Forgot Password?", "Already have Account ? (OR)", and "Create Account".

Fig 5.1 Login page

The screenshot shows a mobile application interface for a sign up page. At the top, there is a back arrow and the text "< Back". Below this is a logo consisting of colorful hands holding a city skyline. The main heading is "Create New Account" in blue, with a note "(*) symbol represent as mandatory field". There are several input fields: "(*)Name" with a person icon, "(*)AadharNumber" with a card icon, "(*)PhoneNumber" with a phone icon, "Gender" with a male/female icon, "Native Place", "Working Place", "CompanyName", and "Occupation".

Fig 5.2 sign up page

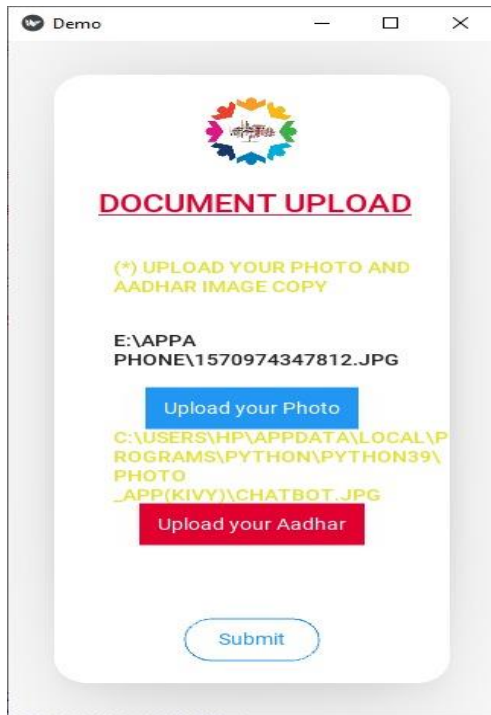


Fig 5.3

One should upload their photo and Aadhar card softcopy to get the account created.

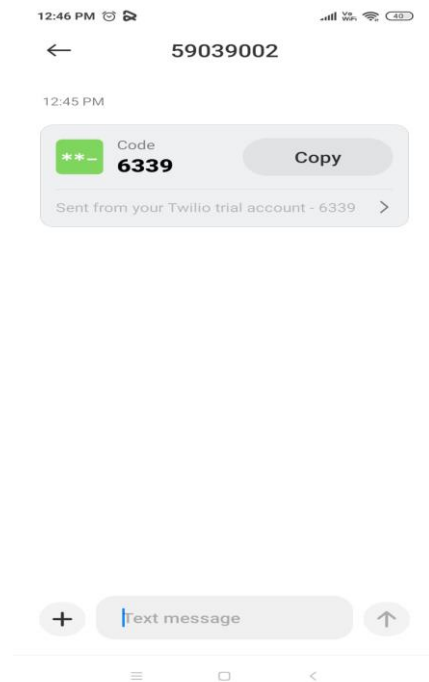


Fig 5.4 otp



Fig 5.5 otp verification

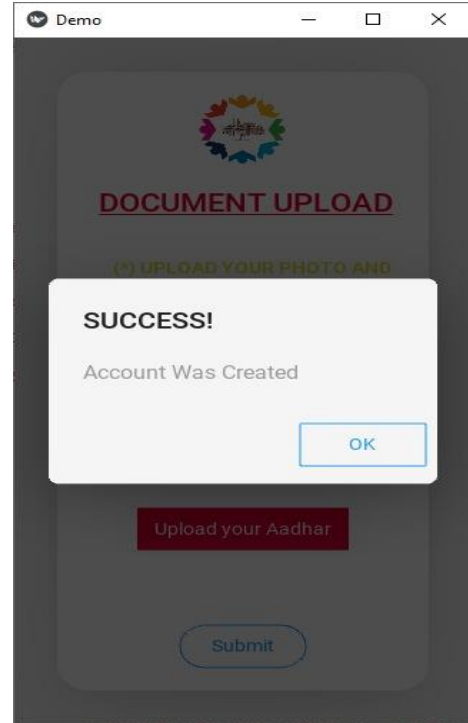


Fig 5.6 success pop up

You will get an pop up notification
once the account verified

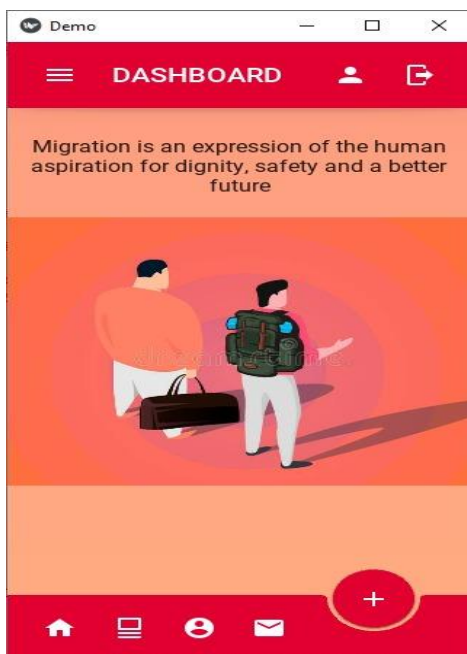


Fig 5.7 Dashboard

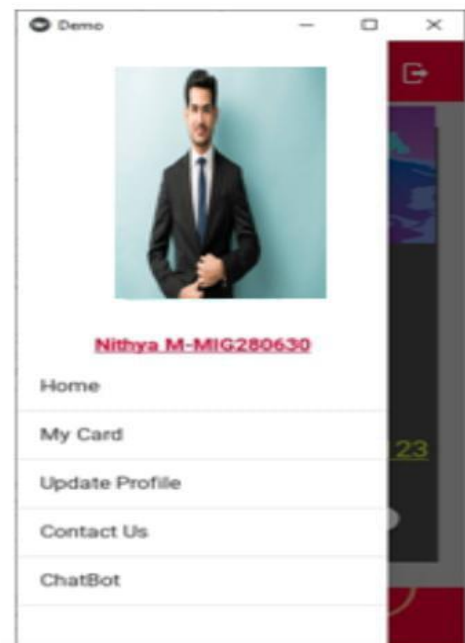


Fig 5.8 Navigation bar



Fig 5.9 changing to Dark mode

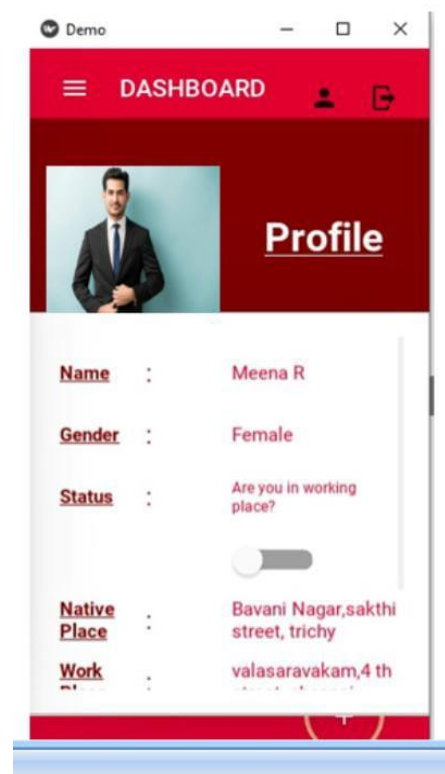


fig 5.10 Enabling the status



Fig 5.11 Migration card



Fig 5.12 migration card back side

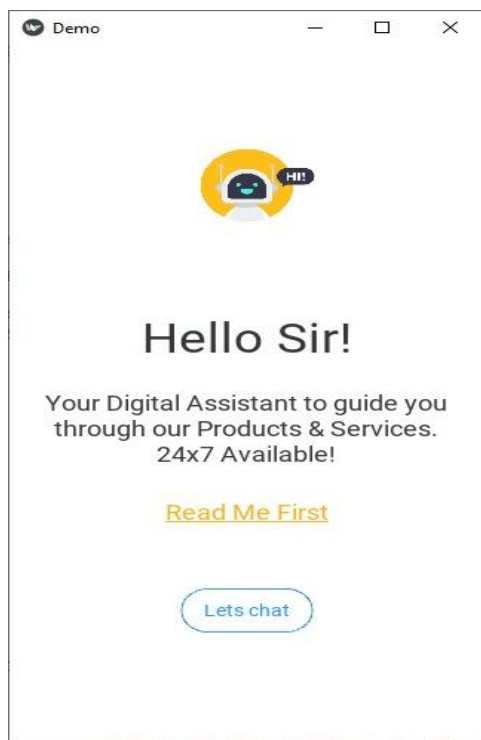


Fig 5.13 chat bot for assistance



Fig 5.14 chat bot

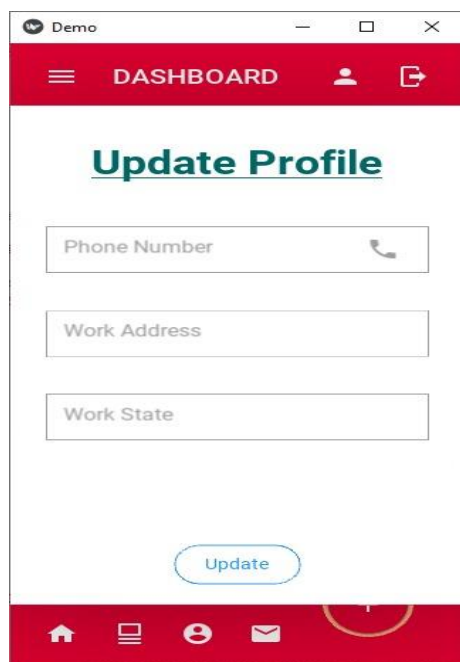


Fig 5.15 update profile

If you want to make another migration or need to change the details, you can update profile.

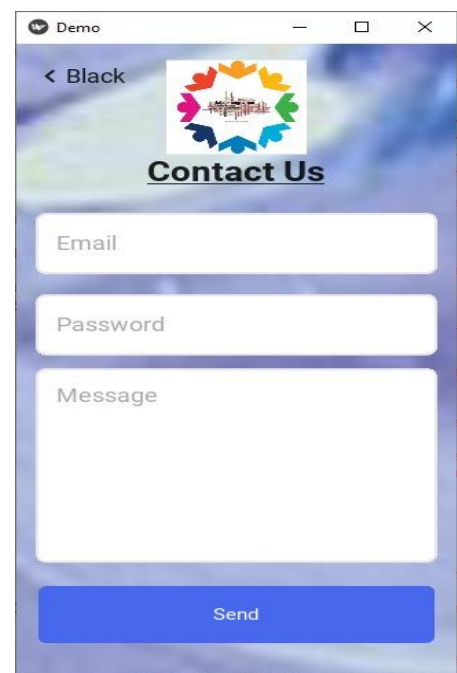


Fig 5.16 Contact Us

If any queries you want to rectify, you can see there is a contact us page.

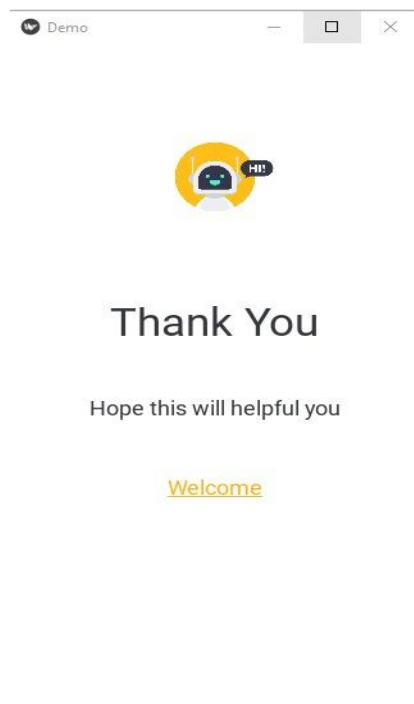


Fig 5.17 Log out

5.1.2 Admin Panel:

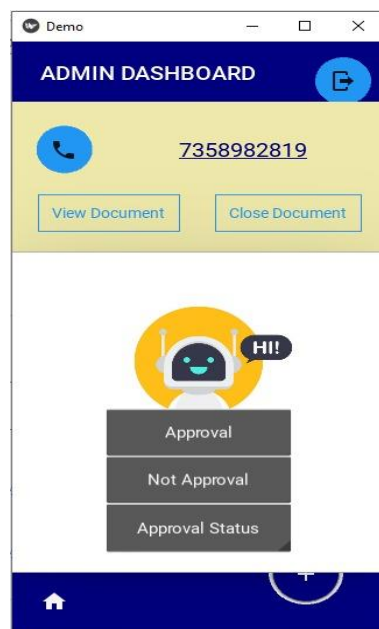


Fig5.6.1Approval status



fig 5.6.2. user database

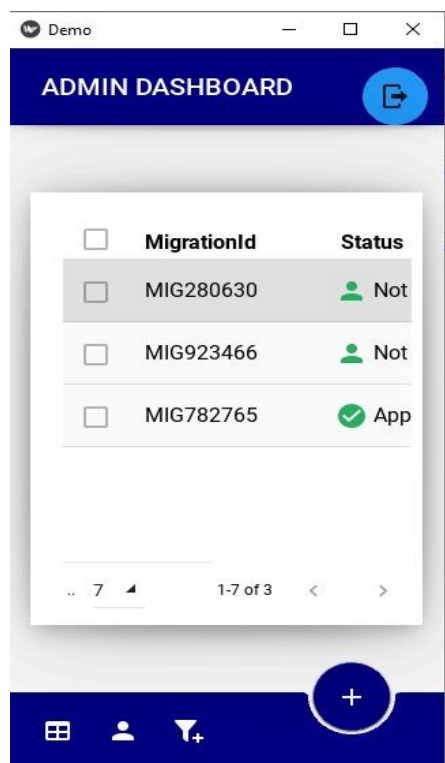


Fig5.6.3 Admin dashboard

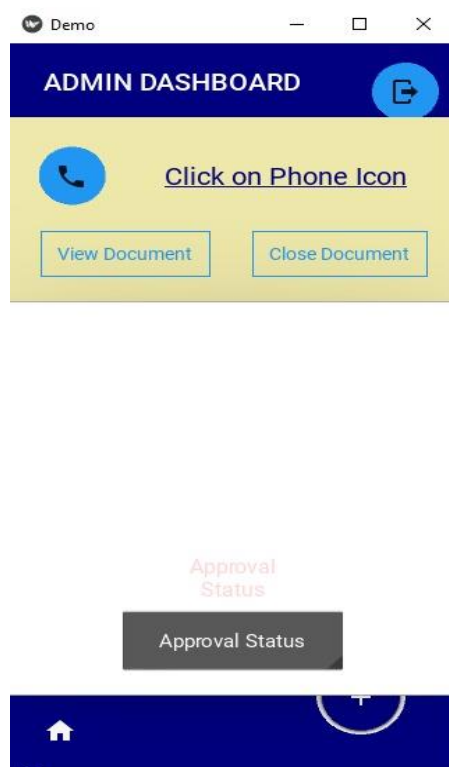


fig 5.6.4 Admin Navigation

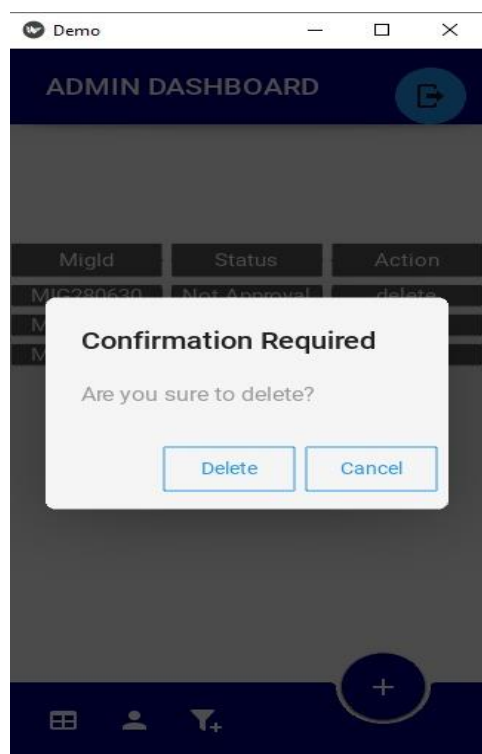


Fig 5.6.5 Delete Option

5.2 FUTURE WORK

In this project we are going extend the process by implementing the QRcode and Data analytics. QRcode can be read by an imaging device such as a camera, and processed using Reed–Solomon error correction until the image can be appropriately interpreted. So for the further process ,QRcode will be used authenticate an users account.secondly The techniques and processes of data analytics have been automated into mechanical processes and algorithms that work over raw data for consumption.

CHAPTER 6

CONCLUSION

6.1.SUMMARY:

Thus, the people who were in various state/district and who wanted to move to their native will be known by the government sectors . The government sector will know their needs by details of the user. Based on the entries, emergency plans will be taken by government. All the entries can be taken as survey.

6.2.APPENDIX:

6.2.1 SAMPLE CODE

main.kv:

```
"""
    <TooltipMDIconButton@MDIconButton+MDTooltip>
    ScreenManager:
        Splash:
```

```

LoginScreen:
    id:login
AccountPage:
OtpVerification:
DocumentScreen:
ProfileScreen:
UploadScreen:
MenuPageScreen:
<Splash>:
    MDScreen:
        name : 'load'
        MDFloatLayout:
            md_bg_color: 226/255, 0, 48/255,1
            Image:
                source:'logo.png'
                size_hint: .27, .32
                pos_hint: {'center_x': .5,'center_y': .53}
                canvas.before:
                    Color:
                        rgb: 1,1,1,1
                    Ellipse:
                        size: 130,130
                        pos: 90,250
            MDLabel:
                text:'Migrant Labour'
                pos_hint : {'center_x': .5 , 'center_y':.2}
                halign:'center'
                theme_text_color:'Custom'
                text_color: 1,1,1,1
                font_size: '35sp'

            MDLabel:
                text:'Migrant Labour solution'
                pos_hint : {'center_x': .5 , 'center_y':.15}
                halign:'center'
                theme_text_color:'Custom'
                text_color: 1,1,1,1
                font_size: '13sp'

<LoginScreen>:
    name:'menu'
    username:username
    MDFloatLayout:
        md_bg_color: 1,1,1,1

        MDIconButton:
            icon:'chevron-left'

```

```

        user_font_size: '25sp'
        pos_hint: {'center_y': .95}
        on_press: root.manager.current = 'menu'
MDLabel:
    text: 'Back'
    font_size: '18sp'
    pos_hint: {'center_x': .615, 'center_y': .949}
    font_name_hint_text: 'Poppins-SemiBold.ttf'
Image:
    source: 'logo.png'
    size_hint: .33, .33
    pos_hint: {'center_x': .22, 'center_y': .8}
MDLabel:
    text: "Login (or) SignIn"
    font_size: '22sp'
    color: 226/255, 0, 48/255, 1
    pos_hint: {'center_x': .6, 'center_y': .65}

MDFloatLayout:
    size_hint: .79, .08
    pos_hint: {'center_x': .5, 'center_y': .53}
    MDLabel:
        id: word
        text: 'username'
        font_size: '14sp'
        pos_hint: {'center_x': .5, 'center_y': .9}
    TextInput:
        id: username
        size_hint_y: .75
        pos_hint: {'center_x': .49, 'center_y': .4}
        background_color: 0, 0, 0, 0
        cursor_color: 0, 0, 0, 1
        cursor_width: '2sp'
        foreground_color: 120/255, 120/255, 120/255, 1
        max_text_length: 13
        font_size: "17sp"
        multiline: False
    MDIcon:
        icon: 'account'
        pos_hint: {'center_x': .96, 'center_y': .5}
        size_hint: .4, .5
    MDFloatLayout:
        pos_hint: {'center_x': .5, 'center_y': 0}
        size_hint_y: .03
        md_bg_color: 120/255, 120/255, 120/255, 1
MDFloatLayout:

```

```

size_hint: .79,.08
pos_hint: {'center_x': .5, 'center_y': .42}
MDLabel:
    id:password
    text:'password'
    font_size: '14sp'
    pos_hint: {'center_x':.5,'center_y': .9}
TextInput:
    id:password
    size_hint_y: .75
    pos_hint: {'center_x':.49,'center_y': .4}
    background_color: 0,0,0,0
    cursor_color: 0,0,0,1
    cursor_width: '2sp'
    max_text_length:10
    foreground_color:120/255,120/255,120/255,1
    font_size:"17sp"
    multiline: False
    password:True
MDIcon:
    icon:'eye-off'
    pos_hint: {'center_x':.96,'center_y': .5}
    size_hint: .4,.4
MDFloatLayout:
    pos_hint: {'center_x':.5,'center_y': 0}
    size_hint_y:.03
    md_bg_color:120/255,120/255,120/255,1
Button:
    text:'Login'
    background_color:0,0,0,0
    size_hint:.79,.08
    pos_hint: {"center_x":.5,"center_y":.29}
    on_press:root.onStart()
    canvas.before:
        Color:
            rgb:226/255,0,48/255,1
        RoundedRectangle:
            size: self.size
            pos: self.pos
            radius: [2]
MDTextButton:
    text:"Forget Password?"
    font_size: "13sp"
    pos_hint: {'center_x':.5,'center_y':.21}
    halign:'center'
    color:120/255,120/255,120/255,1
    on_press:root.manager.current='menupage'

```

```

MDTextButton:
    text:"Already have Account ?"
    font_size: "13sp"
    pos_hint: {'center_x':.5,'center_y':.17}
    halign:'center'
    color:120/255,120/255,120/255,1
    on_press: root.manager.current='profile'
MDTextButton:
    text:"(OR)"
    font_size: "13sp"
    pos_hint: {'center_x':.5,'center_y':.13}
    halign:'center'
    color:120/255,120/255,120/255,1
    on_press: root.manager.current='profile'

MDTextButton:
    text:"Create Account"
    font_size: "13sp"
    pos_hint: {'center_x':.5,'center_y':.09}
    halign:'center'
    color:120/255,120/255,120/255,1
    on_press: root.manager.current='account'
<AccountPage>:
    name: 'account'
MDFloatLayout:
    md_bg_color: 1,1,1,1
    Image:
        source:'design.jpg'
        size_hint: -1,-5
        pos_hint: {'center_x':.5,'center_y':.5}
    MDIconButton:
        icon:'chevron-left'
        user_font_size:'25sp'
        pos_hint: {'center_y':.95}
        on_release:root.manager.current = 'menu'
    MDLabel:
        text: 'Back'
        font_size: '18sp'
        #md_bg_color:226/255, 0, 48/255,1
        pos_hint: {'center_x':.615,'center_y': .949}
        font_name_hint_text:'Poppins-SemiBold.ttf'
    Image:
        source:'logo.png'
        size_hint:.19,.19
        pos_hint: {'center_x':.825,'center_y': .949}

MDLabel:

```

```

        id:word
        text: 'Create New Account'
        font_size: '18sp'
        color:1,1,1,1
        pos_hint: {'center_x':.585,'center_y': .889}
        font_name_hint_text:'Poppins-SemiBold.ttf'
        bold:True
        underline:True
MDLabel:
    text: '(*) symbol represent as mandatory field'
    font_size: '14sp'
    color:rgba(0,0,128)
    pos_hint: {'center_x':.585,'center_y': .849}
    font_name_hint_text:'Poppins-SemiBold.ttf'
MDCard :
    size:'260dp','470dp'
    size_hint:None,None
    pos_hint:{'center_x':.5,'center_y':.4}
    padding:12
    line_color:(0.2, 0.2, 0.2, 0.8)
    elevation:15
    padding:20
    spacing:30
    orientation:'vertical'
ScrollView:
    size_hint:(1,.9)
    size:(500,320)
    bar_width: 5
    scroll_type: ['bars', 'content']
    height:40
    MDGridLayout:
        cols:1
        padding:4
        height:4880
        size_hint_y : 1.4
        MDTextField:
            id:name
            hint_text:'(*)Name'
            size_hint_x:None
            width:190
            pos_hint:{'center_x':.5,'center_y':.9}
            icon_right:'account'
            color_active:[1,1,1,1]
            font_size:15
            required:True

        MDTextField:

```

```

        id:aadhar
        hint_text: '(*)AadharNumber'
        size_hint_x:None
        width:190
        pos_hint:{'center_x':.5, 'center_y':.8}
        icon_right:"card-outline"
        color_active:[1,1,1,1]
        max_text_length:13
        font_size:15
        required:True
MDTextField:
    id:phone
    hint_text: '(*)PhoneNumber'
    size_hint_x:None
    width:190
    pos_hint:{'center_x':.5, 'center_y':.7}
    icon_right:"phone"
    required:True
    max_text_length:10
    color_active:[1,1,1,1]
    font_size:15
MDTextField:
    id:gender
    hint_text: 'Gender'
    size_hint_x:None
    width:190
    pos_hint:{'center_x':.5, 'center_y':.6}
    icon_right:"gender-male-female"
    color_active:[1,1,1,1]
    font_size:15

MDTextField:
    id:native_place
    hint_text: 'Native Place'
    size_hint_x:None
    width:190
    pos_hint:{'center_x':.5, 'center_y':.5}
    #icon_right: 'account'
    required:True
    color_active:[1,1,1,1]
    font_size:15
MDTextField:
    id:work_place
    hint_text: 'Working Place'
    size_hint_x:None
    width:190
    pos_hint:{'center_x':.5, 'center_y':.4}

```

```

        #icon_right: 'account'
        required: True
        color_active: [1, 1, 1, 1]
        font_size: 15
MDTextField:
    id: company_name
    hint_text: 'CompanyName'
    size_hint_x: None
    width: 190
    pos_hint: {'center_x': .5, 'center_y': .3}
    #icon_right: 'account'
    color_active: [1, 1, 1, 1]
    font_size: 15
MDTextField:
    id: occupation
    hint_text: 'Occupation'
    size_hint_x: None
    width: 190
    pos_hint: {'center_x': .5, 'center_y': .2}
    #icon_right: 'account'
    required: True
    color_active: [1, 1, 1, 1]
    font_size: 15
MDTextField:
    id: native_address
    multiline: True
    hint_text: 'NativeAddress'
    font_size: 15
    required: True
    pos_hint: {'center_x': .5, 'center_y': .1}
    color_active: [1, 1, 1, 1]
    font_size: 15
MDTextField:
    id: work_address
    multiline: True
    hint_text: '(*)WorkingAddress'
    font_size: 15
    required: True
    pos_hint: {'center_x': .5, 'center_y': 0}
    color_active: [1, 1, 1, 1]
    font_size: 15

MDRaisedButton:
    text: "Submit"
    md_bg_color: 226/255, 0, 48/255, 1
    size_hint:
    pos_hint: {'center_x': .5, 'center_y': -0.1}

```

main.py:

```
from kivymd.app import
MDApp
```

```
from kivy.lang.builder import Builder
from kivy.uix.screenmanager import
ScreenManager,Screen
from kivy.core.window import Window
from kivy.uix.boxlayout import BoxLayout
from kivy.properties import ObjectProperty
from kivymd.theming import ThemableBehavior
from kivymd.uix.list import MDList
from kivy.clock import Clock
from kivymd.uix.dialog import MDDialog
from kivymd.uix.button import MDFlatButton,
MDRectangleFlatButton
from plyer import filechooser
from kivymd.uix.label import MDLabel
from PIL import ImageGrab
import smtplib
import sqlite3
import random
from twilio.rest import Client
from kivy.properties import
ObjectProperty,StringProperty,NumericProperty
Window.size = (320,600)
```

Screen:

```
name: "next"
MDFloatLayout:
    id: colors
    md_bg_color:1,1,1,1
```

```

size:'390dp','1770dp'
size_hint:None,.9
pos_hint: {'center_x':.5, 'center_y':.6}

MDFloatLayout:
    md_bg_color:1,1,1,1
    size:'390dp','370dp'
    size_hint: None, None
    size: "380dp", "630dp"
    pos_hint: {"center_x": .5, "center_y": .5}
    MDFloatLayout:
        #id:color
        size_hint_x:.993
        size_hint_y:.490
        pos_hint: {'center_x':.5, 'center_y':.65}
        canvas.before:
            Color:
                #rgba: (60/255,179/255,113/255,1)
                rgba:(255/255,0,0,1)
            Rectangle:
                size:self.size
                pos: self.pos
                source:'color.jpg'
    MDLabel:
        text:'MIGRATION CARD'
        halign:'center'
        pos_hint: {'center_x':.5, 'center_y':.82}
        bold:True
        underline:True
        font_size:22
        color:1,1,1,1
    TooltipMDIconButton:
        icon:"crop"
        tooltip_text:'Screenshot'
        tooltip_bg_color:60/255,179/255,113/255,1
        pos_hint: {'center_x':.4, 'center_y':.65}
        on_release:app.click2()
    MDSwitch:
        id:switch
        pos_hint: {'center_x':.6, 'center_y':.65}
        on_active:root.check(*args)
        thumb_color:73/255,72/255,73/255,1
    MDFloatLayout:
        id:colors
        size:'310dp','320dp'
        size_hint:None,.8
        md_bg_color:(144/255,238/255,144/255,1)

```

```

pos_hint: {'center_x':.5, 'center_y':.1}
MDLabel:
    text: 'Native :'
    pos_hint: {'center_x':.5, 'center_y':.9}
    font_size: 20
    bold: True
MDLabel:
    id: nativem
    text: 'default'
    pos_hint: {'center_x':.7, 'center_y':.8}
    font_size: 14
    color: (0, 100/255, 0, 1)
    bold: True
MDLabel:
    text: "Migration is an expression of the human
aspiration for dignity, safety and a better future"
    pos_hint: {'center_x':.5, 'center_y':.4}
    halign: "center"
    font_size: 14
    bold: True
MDFloatLayout:
    size_hint_x: .993
    size_hint_y: .230
    pos_hint: {'center_x':.5, 'center_y':.10}
    canvas.before:
        Color:
            rgba: (128/255, 0, 0, 1)

        Rectangle:
            size: self.size
            pos: self.pos
MDLabel:
    text: '@ Copyright'
    font_size: 12
    pos_hint: {'center_x':.5, 'center_y':.8}
    color: 1, 1, 1, 1

MDFloatLayout:

MDRaisedButton:
    text: "Prev"
    md_bg_color: 0, 128/255, 128/255, 1
    width: 190
    pos_hint: {'center_x':.2, 'center_y':.2}
    on_release:
        screen_manager.transition.direction='right'
        screen_manager.current = 'scr 2'

```

```

        MDRaisedButton:
            text: "Next"
            width:190
            md_bg_color: 175/255,238/255,238/255,1
            pos_hint: {'center_x':.6, 'center_y':.2}
            on_release:
                screen_manager.transition.direction='left'
                screen_manager.current = 'next'

Screen:
    name: 'update'
    MDFloatLayout:
        MDCard:
            #md_bg_color: 0,102/255,102/255,1
            size: '390dp', '370dp'
            size_hint: None, .8
            pos_hint: {'center_x':.5, 'center_y':.5}
            padding: 12
            line_color: (226/255,0,48/255,1)
            elevation: 25
            padding: 20
            #spacing: 30
            orientation: 'vertical'
            radius: [22]
        MDFloatLayout:
            MDLabel:
                text: 'Update Profile'
                halign: 'center'
                bold: True
                underline: True
                font_size: 32
                pos_hint: {'center_x':.5, 'center_y':.915}
                color: 0,102/255,102/255,1
            MDTextField:
                id: phone
                hint_text: 'Phone Number'
                size_hint_x: .7
                max_text_length: 10
                pos_hint: {'center_x':.5, 'center_y':.717}
                mode: "rectangle"
                required: False
                icon_right: 'phone'
                helper_text_mode: "on_focus"
                color_mode: 'accent'
            MDTextField:
                id: workad
                hint_text: 'Work Address'
                size_hint_x: .7

```

```

        pos_hint: {'center_x':.5, 'center_y':.517}
        mode: "rectangle"
        required: False
        helper_text_mode: "on_focus"
        color_mode: 'accent'
    MDTextField:
        id:state
        hint_text:'Work State'
        size_hint_x:.7
        pos_hint: {'center_x':.5, 'center_y':.317}
        mode: "rectangle"
        required: False
        helper_text_mode: "on_focus"
        color_mode: 'accent'
    MDRoundFlatButton:
        text:'Update'
        width:290
        pos_hint: {'center_x':.5, 'center_y':.177}
        on_release:root.update()
Screen:
    name: "scr 3"
    MDFloatLayout:
        md_bg_color:1,1,1,1
        Image:
            source:'design.jpg'
            size_hint: -1,-5
            pos_hint: {'center_x':.5, 'center_y':.5}
        MDIconButton:
            icon:'chevron-left'
            user_font_size:'25sp'
            pos_hint: {'center_y':.95}
            on_release:screen_manager.current = 'scr 1'
        MDLabel:
            text: 'Black'
            font_size: '18sp'
            pos_hint: {'center_x':.615, 'center_y': .949}
            font_name_hint_text:'Poppins-SemiBold.ttf'
        Image:
            source:'logo.png'
            size_hint:.32,.32
            pos_hint: {'center_x':.5, 'center_y':.9}
        MDLabel:
            text:'Contact Us'
            pos_hint: {'center_x':.5, 'center_y':.8}
            halign:'center'
            font_size:'26sp'
            bold:True

```

```

        underline:True
    MDFloatLayout:
        size_hint:.9,.09
        pos_hint: {'center_x':.5, 'center_y':.557}
        canvas:
            Color:
                rgb:1,1,1,1
            RoundedRectangle:
                size:self.size
                pos:self.pos
                radius:[6]
        canvas.before:
            Color:
                rgb:236/255,230/255,230/255,1
            Line:
                width:2

rounded_rectangle:self.x,self.y,self.width,self.height,6,6,6,6,180

    TextInput:
        id:pwd
        hint_text:'Password'
        size_hint:1,None
        pos_hint: {'center_x':.5, 'center_y':.5}
        height:self.minimum_height
        multiline:False
        background_color:1,1,1,0
        font_size:'18sp'
        hint_text_color:170/255,170/255,170/255,1
        padding:13
        cursor_color:0,0,0,1
    MDFloatLayout:
        size_hint:.9,.09
        pos_hint: {'center_x':.5, 'center_y':.685}
        canvas:
            Color:
                rgb:1,1,1,1
            RoundedRectangle:
                size:self.size
                pos:self.pos
                radius:[6]
        canvas.before:
            Color:
                rgb:236/255,230/255,230/255,1
            Line:
                width:2

rounded_rectangle:self.x,self.y,self.width,self.height,6,6,6,6,180

```

```

        TextInput:
            id:email
            hint_text:'Email'
            size_hint:1,None
            pos_hint:{'center_x':.5,'center_y':.5}
            height:self.minimum_height
            multiline:False
            background_color:1,1,1,0
            font_size:'18sp'
            hint_text_color:170/255,170/255,170/255,1
            padding:13
            cursor_color:0,0,0,1
    MDFloatLayout:
        size_hint:.9,None
        height:180
        pos_hint:{'center_x':.5,'center_y':.335}
        canvas:
            Color:
                rgb:1,1,1,1
            RoundedRectangle:
                size:self.size
                pos:self.pos
                radius:[6]
        canvas.before:
            Color:
                rgb:236/255,230/255,230/255,1
            Line:
                width:2

rounded_rectangle:self.x,self.y,self.width,self.height,6,6,6,6,120
    TextInput:
        id:message
        hint_text:'Message'
        size_hint:1,None
        pos_hint:{'center_x':.5,'center_y':.5}
        height:180
        multiline:False
        background_color:1,1,1,0
        font_size:'18sp'
        hint_text_color:170/255,170/255,170/255,1
        padding:13
        cursor_color:0,0,0,1
    Button:
        text:'Send'
        size_hint:.9,.09
        pos_hint:{'center_x':.5,'center_y':.1}
        background_color:1,1,1,0

```

```

color:1,1,1,1
on_release:root.send_email(email,pwd,message)
canvas.before:
    Color:
        rgb:71/255,104/255,237/255,1
    RoundedRectangle:
        size:self.size
        pos:self.pos
        radius:[6]

```

Publication report :



PAPER SUBMISSION LETTER

Authors : Pavithra Priya K and Nithya M

Title : Migration Labour Application

Number : 2848

Dear authors,

We received your submission to ICSMCT-2022 (International Conference on Sustainable Materials and Computational Techniques 2022):

Thank you for submitting to ICSMCT-2022.

Best regards,

EasyChair for ICSMCT-2022.

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