Sprint 1

Date	19 November 2022
Team ID	PNT2022TMID38342
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Coding :

```java
package com.example.geofence;

import androidx.annotation.NonNull;     import
androidx.appcompat.app.AppCompatActivity;

import     android.content.Intent;     import
android.nfc.Tag;    import    android.os.Bundle;
import     android.text.TextUtils;     import
android.util.Log; import android.widget.Button;
import    android.widget.TextClock;     import
android.widget.TextView;               import
android.widget.Toast;

import     com.google.android.gms.tasks.OnCompleteListener;     import
com.google.android.gms.tasks.Task;
import    com.google.android.material.textfield.TextInputEditText;    import
com.google.firebase.auth.AuthResult;                           import
com.google.firebase.auth.FirebaseAuth;                         import
com.google.firebase.auth.FirebaseUser;


public class RegisterActivity extends AppCompatActivity {



    TextInputEditText etRegEmail;
    TextInputEditText etRegPassword;
    TextView tvLoginHere;
    Button btnRegister; FirebaseAuth mAuth;

    @Override
    protected void onCreate(Bundle savedInstanceState)
        { super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        etRegEmail = findViewById(R.id.etRegEmail); etRegPassword =
        findViewById(R.id.etRegPass);          tvLoginHere          =
        findViewById(R.id.tvLoginHere);          btnRegister         =
        findViewById(R.id.btnRegister);
```

```java
        mAuth = FirebaseAuth.getInstance();

        btnRegister.setOnClickListener(view -
            >{ createUser();
        });

        tvLoginHere.setOnClickListener(view -
            >{ startActivity(new
            Intent(RegisterActivity.this,
LoginActivity.class));
        }); }

    private void createUser(){
        String email = etRegEmail.getText().toString();  String
        password = etRegPassword.getText().toString();

        if
        (TextUtils.isEmpty(email)){    etRegEmail.setErr
        or("Email        cannot        be        empty");
        etRegEmail.requestFocus();
        }else if
        (TextUtils.isEmpty(password)){    etRegPassword.setErr
        or("Password          cannot          be          empty");
        etRegPassword.requestFocus(); }else{

mAuth.createUserWithEmailAndPassword(email,password).addOnCompleteListener(
new OnCompleteListener<AuthResult>() {

            @Override

                public void onComplete(@NonNull Task<AuthResult> task)
{ if
                        (task.isSuccessful())
                        { FirebaseUser user =
mAuth.getInstance().getCurrentUser();

                        user.sendEmailVerification()
                            .addOnCompleteListener(new
OnCompleteListener<Void>()

                                @Override
                                public void onComplete(@NonNull
{ Task<Void> task) { if (task.isSuccessful()) {

Toast.makeText(RegisterActivity.this, "Verification Email sent",
Toast.LENGTH_SHORT).show();

                                            startActivity(new


Intent(RegisterActivity.this, LoginActivity.class));
                                    }
                                }
                            });
                            // Toast.makeText(RegisterActivity.this, "User
registered successfully", Toast.LENGTH_SHORT).show(); //startActivity(new
Intent(RegisterActivity.this, LoginActivity.class));
                        }else{
                            Toast.makeText(RegisterActivity.this,
"Registration Error: " + task.getException().getMessage(),
Toast.LENGTH_SHORT).show();
                    }
            }
        });
    }
```

}

Output :

Registration Page