Sprint 1

Date	12 November 2022
Team ID	PNT2022TMID35146
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