



# GREENFUND CONNECT: A RENEWABLE ENERGY CROWDFUNDING PLATFORM

GIT

# CHALLENGES IN RENEWABLE ENERGY FUNDING



## ■ LACK OF FUNDING FOR PROJECTS

Many individuals are eager to start renewable energy projects but lack the necessary funding.

## ■ INVESTORS' DIFFICULTY FINDING PROJECTS

Investors interested in green energy face challenges in easily discovering and funding such projects.

## ■ MISSED OPPORTUNITIES IN CLEAN ENERGY

Due to the funding gap, many promising clean energy initiatives are never launched, leading to lost potential.

## ■ NEED FOR A CENTRALIZED PLATFORM

There's a clear need for a simple platform that connects project creators with potential investors.

## ■ **PLATFORM FOR RENEWABLE IDEAS**

Project creators can share their renewable energy concepts with the community.

## ■ **INVESTOR-FRIENDLY BROWSING**

Investors can easily browse projects, view details, and contribute funds.

## ■ **REAL-TIME PROJECT UPDATES**

Users receive real-time updates on funding progress and project status.

## ■ **SECURE USER AUTHENTICATION**

Secure authentication is provided via Firebase and Google Sign-In.

## ■ **INTUITIVE USER INTERFACE**

The platform features an intuitive UI with navigation for Projects, Investments, and Profile.

# CROWDFUNDING SOLAR POWER FOR COMMUNITIES

## ■ DEEPAK'S SOLAR PROJECT INITIATIVE

Deepak aims to install a solar power grid in his town to provide clean energy.

## ■ FUNDING CHALLENGES FACED

Despite the project's potential, Deepak struggles to secure necessary funding.

## ■ LISTING ON GREENFUND CONNECT

Deepak lists his project on GreenFund Connect to attract investors.

## ■ INVESTOR PARTICIPATION

Investors like Priya review the project benefits and choose to fund it.

## ■ SUCCESSFUL FUNDRAISING

Thanks to GreenFund Connect, Deepak raises enough funds for his solar grid.

## ■ COMMUNITY IMPACT

The solar grid implementation provides clean energy to the local community.

## ■ RENEWABLE ENERGY BENEFITS

Solar energy reduces carbon footprint and promotes sustainability.

## ■ ROLE OF CROWDFUNDING

Crowdfunding enables individuals to support local renewable energy projects.



# KEY IMPLEMENTATION HIGHLIGHTS OF GREENFUND

## ■ CROSS-PLATFORM DEVELOPMENT

Built using Flutter for seamless functionality across iOS and Android devices.

## ■ SECURE USER AUTHENTICATION

Utilized Firebase Authentication for robust and secure login processes.

## ■ DATA MANAGEMENT WITH FIRESTORE

Employed Firestore for reliable data storage, ensuring data integrity.

## ■ FEATURE-RICH USER EXPERIENCE

Includes project listing, investment tracking, and profile management functionalities.

## ■ INSTANT NOTIFICATIONS

Real-time notifications keep users updated on project statuses and activities.

## ■ USER-FRIENDLY NAVIGATION

Incorporated a bottom navigation bar for easy access to different sections.

## ■ QUICK PROJECT ADDITION

Floating action button enables users to quickly add new projects.



# GREENFUND CONNECT: BRIDGING GREEN PROJECTS AND INVESTORS

GreenFund Connect provides an innovative crowdfunding platform that unites green project creators with investors to foster renewable energy initiatives and sustainable development.