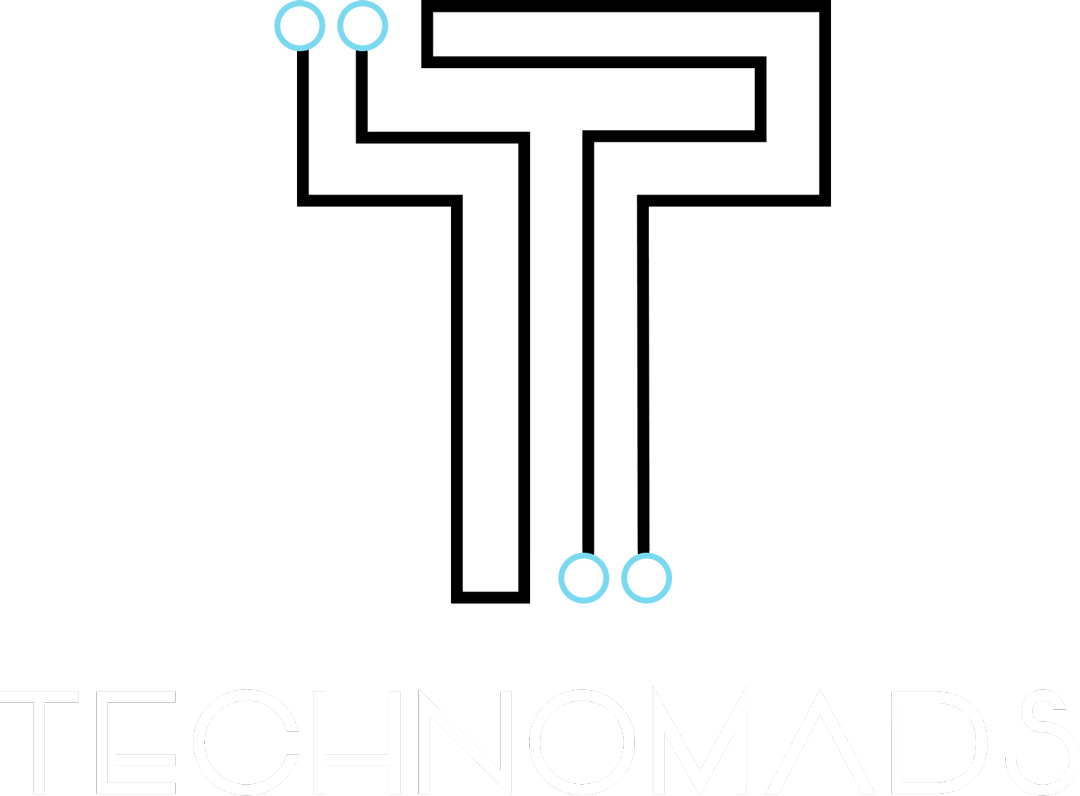
**CHAPTER :- 1**

**Industry Introductions**

**1.1 Company Profile**

**Technomads Solution Pvt. Ltd.**



**Contact Information:-**

Phone:- [+91 63549 53278](tel:+91%2063549%2053278)

E-Mail:- [info@technomads.in](mailto:info@technomads.in)

Address:- 4080, Silver Business Point VIP Circle Utran Surat, Gujarat 394105

**What the Company Does?**

The company helps organizations streamline their efforts by providing customer-specific technical solutions. Their proven methodologies have helped their clients increase both internal efficiencies and revenue. They have helped businesses to build an online presence which opens the door to more sales and more growth of their business. They help their clients reach more customers with less money spend than the traditional marketing methods.

**What the Company has Achieved:**

Two 24 years old young entrepreneurs started their journey to build a great company after quitting their 9 to 5 job. TechNomads started their operations in July, 2019 in Surat and in a shortest span of time they have gained trust of local clients as well as international clients from Australia. They are building products in the healthcare industry and they believe the greatest products or solutions solve the simplest problems.

**Services provided by the Company:**

The company provides various services. Their work includes but is not limited to projects built using Blockchain, NodeJS, ReactJS, Flutter, and they also make Android App, iOS App, and apps for other platforms.

**Their Social media presence:**

Website:- https://technomads.in

LinkedIn:- https://www.linkedin.com/company/tech-nomads/mycompany

Twitter:- https://twitter.com/technomadss

Facebook:- https://www.facebook.com/technomadss

**CHAPTER: - 2**

**Introduction of project**

**2.1 Introduction of Problem**

**2.1.1 Problem statement**

* Maintenance fees. Payments-related concerns include mode of payment, timely submission of fees, etc. So we provide the perfect solution for all the above matters for instance payments mode includes online payment, UPI along with cash notes. Also, our system will provide a timely reminder to everyone for submission of maintenance fees through text message.
* Voting for various events is important in urban areas. In our system, we have included a voting system for various events.
* In residential areas, there is a lack of communication between people because of a daily busy life. The solution is for society members can communicate with each other through the chats module.
* Society members can complain about day-to-day issues in residential areas. As well as members can suggest new ideas to improve residential area facilities.
* Members can see the notice of various events, meetings, etc. which can be added by the admin.

**2.1.2 Scope of proposed system:**

* Our project is a smart and technology-forward security solution that helps you manage gated community security needs like entry and exit of visitors, household help, and online delivery personnel. It also helps in managing gated community needs like clubhouse and amenities management, complaint management, accounting and billing, and more.
* So to solve this problem there are many Security management services that are recognized and ensure the protection of resources and practices of an organization, person, or any group.
* Occupants can utilize the our application to speak with neighbours, examine matters of the local area and society on inward conversation gatherings, manage guests (visitors, conveyances, taxis, and so on), maintain participation record, and compensation installments for day by day help, find services, take care of society maintenance bills, among much else.
* In our project user can add location based emergency alerts.
* People who cannot help will not be bothered.
* On-Device database for Offline access.
* Paid plan for larger societies.

**2.2 Environment Description**

**2.2.1 Hardware and Software Requirements:**

**Minimum**

**Windows**

* Hardware
  + Processor: Dual code, 1GHz
  + RAM: 4GB
  + Storage: 2GB free
  + Display: 720p or higher
* Software
  + Windows 7 or higher

**macOS**

* Hardware
  + Processor: Dual code, 1.8GHz
  + RAM: 4GB
  + Storage: 2GB free
  + Display: 720p or higher
* Software
  + macOS El Capitan (macOS 10.11) or higher

**Linux**

* Hardware
  + Processor: Dual code, 1GHz
  + RAM: 4GB
  + Storage: 2GB free
  + Display: 720p or higher
* Software
  + Debian based Linux distribution

**Android**

* Hardware
  + Processor: 1GHz
  + RAM: 1GB
  + Storage: 2GB free
  + Display: 720p or higher
* Software
  + Android Jelly Bean (4.1) or higher

**iOS**

* Hardware
  + Storage: 2GB free
* Software
  + iOS 9 or higher

**Recommended**

**Windows**

* Hardware
  + Processor: Dual code, 2.3GHz
  + RAM: 8GB
  + Storage: 2GB free
  + Display: 1080p or higher
* Software
  + Windows 10 or higher

**macOS**

* Hardware
  + Processor: Dual code, 1.8GHz
  + RAM: 8GB
  + Storage: 2GB free
  + Display: 1080p or higher
* Software
  + macOS Monterey (macOS 12) or higher

**Linux**

* Hardware
  + Processor: Dual code
  + RAM: 8GB
  + Storage: 2GB free
  + Display: 1080p or higher
* Software
  + Debian based Linux distribution

**Android**

* Hardware
  + Processor: modern multicore processor
  + RAM: 4GB
  + Storage: 2GB free
  + Display: 1080p or higher
* Software
  + Android KitKat (4.4) or higher

**iOS**

* Hardware
  + Processor: Apple A9 or higher
  + RAM: 2GB
  + Storage: 2GB free
* Software
  + iOS 14 or higher

**2.1.2 Technology Used**

**Flutter:**

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* Flutter is a framework developed by Google that allows developers to build native cross-platform apps with just one codebase.
* Traditionally, a developer would have to build for all their platforms separately but, using flutter, as discussed above, the developer can have just a single codebase to worry about.
* This also helps with other important factors such as improving data consistency and reducing data redundancy.
* Besides its compilation tools, Flutter acts as a framework by providing a collection of UI building blocks (widgets) such as tabs, dropdowns, buttons, and many more.

**Dart:**

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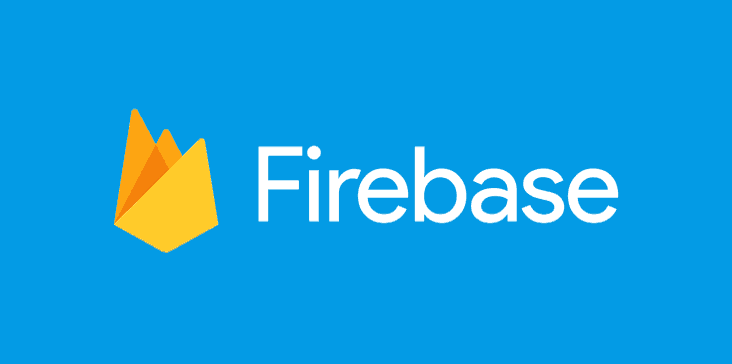
* Dart is the open-source programming language developed by Google. It is meant for both server side as well as the user side development.
* Dart is **Object-oriented language** and is quite like that of [**Java Programming**](https://www.geeksforgeeks.org/java/).
* Dart is extensively use to create single-page websites and web-applications. Best **example** of dart application is **Gmail**.
* Dart works as a base language for the framework we used which is Flutter

**GitHub:**

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* Any team of developers working on a single project need a way to control the source code between then and a platform to store all the code while in development. This service to us is provided by GitHub
* GitHub is a web-based interface that uses Git, the open-source version control software that lets multiple people make separate changes to web pages at the same time.
* GitHub allows multiple developers to work on a single project at the same time, reduces the risk of duplicative or conflicting work.
* It also helps decrease production time.
* With GitHub, one can build code, track changes, and innovate solutions to problems that might arise during the development process.

**Firebase:**



* Firebase is a service developed by google that provides multiple facilities such as database, authentication, real-time databases among other services
* This service is primarily free to use but, only up to a paint since, after a certain amount of frequency, it starts to bill the developer.

**CHAPTER: - 3**

**The Whole Industrial Process And Problem Study**

**3.1.3 Feasibility Study**

**1. Technical feasibility:**

* Flutter allows us to build for multiple platforms at once.
* Due to this, we do not have to maintain separate codebases for each platform.
* Hence, we conclude that it is technically feasible to work on the project.

**2. Operational Feasibility:**

* The company (Technomads Solutions) is a software development company.
* The company works on project in Flutter among other languages and frameworks.
* The Company also works on such large-scale projects for benefit of the society.
* Hence, we conclude that the project is operationally feasible and fits well on the portfolio of the company.

**3. Economic Feasibility:**

* The project depends heavily on Firebase by Google.
* Firebase provides the project with amenities like authentication, database, and so on.
* Firebase has a free tier where; the developer can use it for free as long as they don’t pass the threshold.
* We would not be crossing the threshold.
* Hence, we conclude that it is economically feasible to work on the project**.**