

# On Demand Fuel Delivery

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**Abstract-** *Now-a-days, vehicles play main role of transportation. Due to growth of automobiles in market, fuel consumption became more. Unfortunately because of some reason if vehicle stops due to lack of petrol, it will be very hard for the owner to push the vehicle to the nearest petrol pump. In some cases people go to new location and sometimes they won't be having any idea of the gas stations to refuel their vehicles. We want to develop application to deliver the fuel to those who need to refuel vehicles at any location and time.*

Pragnesh Dixit (2020) was working as a reservoir engineer at Shell, a global leader in oil and gas industry, situated at the remote island of West Coast of Africa. The island has a meager population of 5000 people with only one fuel station serving all of them. Each weekend, people would drive 25 kms and stand in long queue to get their vehicles refueled. Living in the same area for a decade and observing the difficulties between people and fuel stations, the idea of creating an on-demand fuel app settled in the mind of Ashish. In early 2016, Ashish left the job and returned to India to make his dream come true.

## I. INTRODUCTION

Leading fuel delivery startups like Filld, Booster, My Petrol Pump, Yoshi, Gaston, fuels, and more are raising exceptional capital from its backers. This has inspired more entrepreneurs to start their business in this sort of on-demand delivery space.

We all know that Uber is present on a global level as taxi service provider. But there is no Global leader right now in this particular space. Hence; there is a high opportunity for forging your place by investing in this lucrative business. Popular gasoline delivery services are serving the gas to homes, residential buildings, offices, schools, boats, transportation fleets, and individuals.

There is a vast market for the future scalability and expansion for Uber for fuel services like business. There are multiple end-users you could target.

Initially, as you are not aware of the market and you are testing the waters, you can start with just a Petrol delivery service to a smaller area. Later, you can expand it as you get the momentum.

There are certain prerequisites for Starting a Fuel Delivery Service. Before, you hop onto building an app for your service, you have to contemplate some important aspects of the business. You have to follow some norms, regulations, and compliances.

### Literature Review:

It is not a new thing for people observing problems and take the charge to diminish them with the help of technology. The story of Uber has a similar beginning. Later on, Ashish Gupta too joined the community of startups who strive day and night to make our lives easier to live.

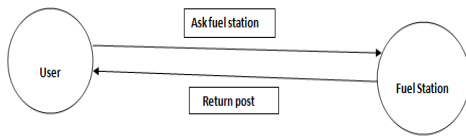
After returning to India, Ashish discovered that there is a requirement of 85 billion liters of fuel per year, but gas stations fail to fulfill such demand. Also, it is worth noticing that to match the demand, there should be more gas stations which require real estate and a huge investment. Plus, there is a risk of pilferage and adulterations always lingering in the air.

At one side, all the difficulties look like a barrier in connection between people and fuel stations. But if you see it as an opportunity, you will notice that there is an app-way to bridge the gap. Just like Ashish.

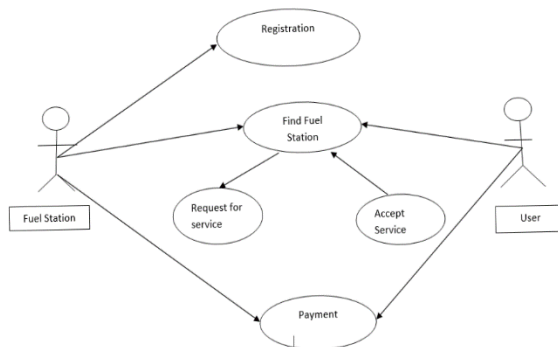
In September 2017, Ashish, with his co-founder tech geek Naveen Roy (ex-Infosys and L&T), launched a commercial operations app named MyPetrolPump. Since launch, the app delivered 3 million liters of fuel in Bengaluru (City of Karnataka, India) alone and generated \$2 million revenue in its last financial year. That is also without spending a penny on marketing strategies.

## II. EXISTING SYSTEM

The existing system is time consuming and not very user friendly. In some cases people go to new location and sometimes they won't be having any idea of the fuel stations to refuel their vehicles.

**Dataflow Diagram:****III. PROPOSED SYSTEM**

You can save time and can get the fuel in a few minutes after ordering it. With this web app development, no need to wait in long queues at the fuel station before starting your trip. One of the best advantages of this gas and fuel delivery app is it saves lots of time and money. Also, a sufficient amount of fuel can be supplied to the desired place at the expected time. It allows the user to pay according to their comfortability.

**Use-Case Diagram:****Module Description:****A. Registration:**

You need to register with the Web app to access the furthermore. You have provided some important details to create an account on their Web app, however, these days all the apps integrate social media account signups to cut short the number of steps for the users to get registered.

**B. Location details:**

You can easily share your live location through the web application to receive the fuel on your location. The driver will reach your location in time to make the fuel available for you.

**C. Fuel request:**

This step is associated with the selection of the type of fuel, diesel or petrol whatever you demand. The volume that you require can also be communicated through the web app. You can also negotiate the fuel price by using some features of the web app

**D. Fuel delivery:**

As soon as you are done with the above points and procedure, you will find a fuel delivery truck outside your household within a matter of minutes.

**iv. CONCLUSION**

The entire project has been developed and deployed as per the requirements stated by the user, it is found to be bug free as per the testing standards that is implemented. Any specification-untraced errors will be concentrated in the coming versions, which are planned to be developed in near future.

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