

Department of Electrical and Computer Engineering

North South University

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**CSE 299: Junior Design Course**

**Project Proposal**

Section: 04

Group Number: 03

**Team members**

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**Introduction:**

Now-a-days, in our day-to-day life we like to use or apply things by less physical labor. From this concept of thinking, different types of apps are being created and they are providing necessary services everyday more or less 24/7 we can say. We also want to make people’s life little bit easier from our side. That’s why we will be trying to build a mobile application which will locate us our nearby stores which provides different types of needs of people.

This idea is to make an application which will use Google Map to find the nearby grocery or any kind of store based on our searched item and show user the path to the shop. If I try to give an example, in the morning after waking up from bed, I open my fridge and see that there is no cornflakes. So I need to buy cornflakes in order to have breakfast. But where will I find this cornflakes at minimum distant? I will search in our application typing cornflakes and it will show the nearest shop that sells cornflakes. Then if I want the direction to the shop, it will also show the direction.

For using this application we will be needing internet connection and GPS (Global Positioning System). Google Map API will be used here to get the shops longitude and magnitude direction.

With the help of GPS user will be notiﬁed of existing nearby store’s location within the range of 3-kilo meter. For example: if user wants to buy a speciﬁc Basmati Rice, it will search in our database, it will show different brands of Basmati Rice. Besides that it will return the location of the shop where user can able to buy that speciﬁc brand/ quality he wants to.