**IT249 – Software Group Project-II**

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**FRIEND LOCATOR**

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**Brief:-**

Friend Locator is based on android devices which will provide service of maps to locate.

At first, user has to login in this application by Google Email, so it can store information to the database which is based on Google Firebase,

After login process, user is able to view other users’ location.

This application is user-friendly, which is built on Android Studio which include Google maps API, Firebase connection.

**Project Goal**

As many similar applications were there to track student but each of them has some and other drawback like Accuracy in reading location because GPS can have errors when object to be track is in compact space. “FRIEND LOCATOR” application tries to overcome these problems.

By this application parent will get Assurance that where exactly your child is.

**Description**

Firstly, user have to login with their Google account. It shows the list of user’ friends. If user want to see the location of friend, then he/she can locate on maps. Track anyone’s location easily. It has Integration of GPS Maps.

**TOOLS AND TECHNOLOGY**

Android studio

**API**

Google Maps API , Firebase Tool

**Requirements:-**

Hardware:-

GPS enabled Android Smartphone

Software:

OS: Android 2.2 or higher.

**Learning Outcome:**

We have learned further in Android Studio, also to connect Google Maps API.

To request Access, Firebase tool.

**Further Planning**

Application will be Dynamic in future. This Application is developed in Android platform and used for the security of children while going to the school, tuitions and coming back from the school, tuitions or when they had gone out. This will also be helpful for young girls & women for the safety reasons. And this would lead to decrease the no of crimes related to human trafficking.