

Skill Lab: Python Programming

MINI PROJECT

GPS : Track The Route

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GPS : Track the route

The Global Positioning System (GPS) which provides users with positioning, navigation, and timing (PNT) services. In this project with the help of CSV and gmpplot module a GPS tracking route is made. This project can be used in many ways like here we have used it to track the route from Thane to Kurla. Similarly it can be used to get the real time location of a particular moving body; it may be a person(delivery), train route tracker and many more.

Now getting on to the modules we have used in this project.

1. CSV (Comma Separated Values) is a simple file format used to store tabular data, such as a spreadsheet or database. A CSV file is created to store the latitude and longitude of the places that are necessary for creating a route.
2. gmpplot is a matplotlib-like interface to generate the HTML and javascript to render all the data users would like on top of Google Maps.

When the html file is opened it can be observed that the route is tracked using the location icon in which **YELLOW** icon indicates the start and **RED** icon indicates the end of the destination and **BLUE** icon indicates the location of the path through which we reached the destination.

CONCLUSION

The project 'GPS: Track the route' gives us an idea about the tracking system that is used in various platform. This project was a demonstration of getting a location of a particular point or a path. It can be modified or can be used further in any of the applications as per the requirements.