

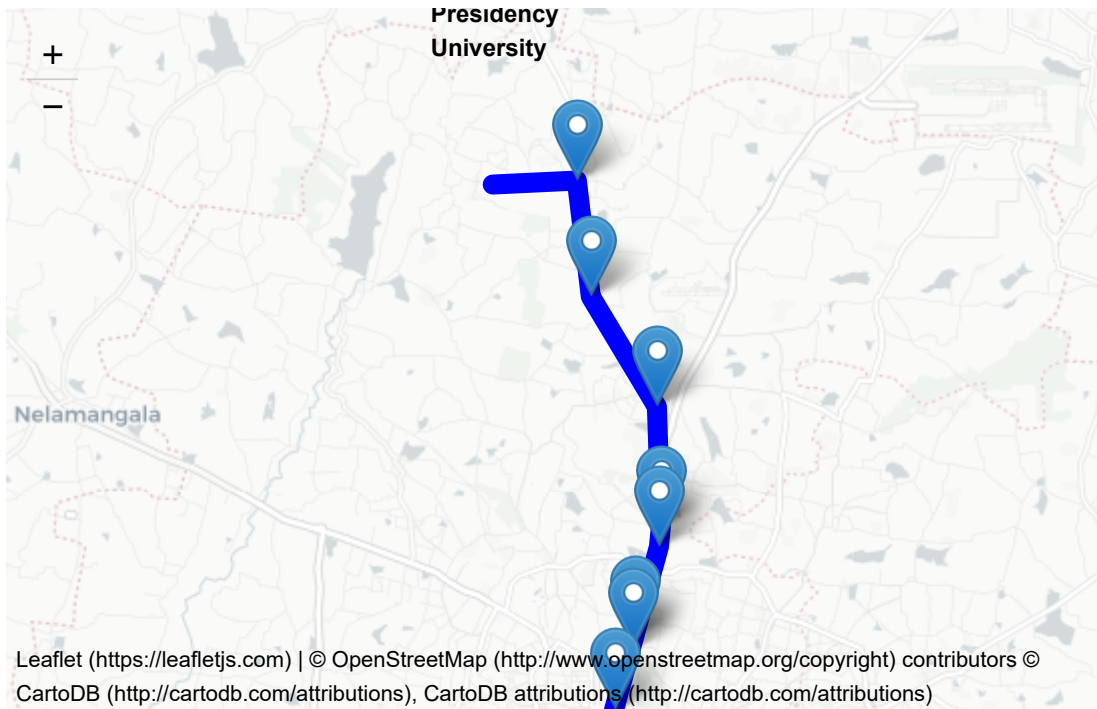
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**20181CSE0621**  
**7 - CSE - 10**  
**DV Batch - 1**

```
In [1]: 1 import pandas as pd
        2 import numpy as np
        3 import matplotlib.pyplot as plt
        4 %matplotlib inline
        5 import seaborn as sns
        6 import warnings; warnings.simplefilter('ignore')
        7 import folium
        8 from branca.element import Figure
```

```
In [2]: 1 coords = [[12.97796205124043, 77.5714694969577],[12.996562101554806, 77.57708751303501],
        2           [13.016882272742771, 77.58358241093099],[13.020493301901361, 77.5837421520479],
        3           [13.050405525476947, 77.59265766860456],[13.057624213638528, 77.59282299744122],
        4           [13.097844684714925, 77.59152868209517],[13.134491394901266, 77.5692436149653],
        5           [13.172811282800334, 77.5640984246582],[13.171498731375447, 77.53504026495195],
        6           ]
```

```
In [3]: 1 fig=Figure(width=550,height=350)
2 area=folium.Map(location=[12.97796205124043, 77.5714694969577],tiles='cartodbpositron',zoom_start=11)
3 fig.add_child(area)
4
5 f1=folium.FeatureGroup("Route To College")
6 route=folium.vector_layers.PolyLine(coords,popup='<b>Path of Vehicle_1</b>',tooltip='RouteToCollege',color='blue',weight=10).a
7 f1.add_to(area)
8 folium.LayerControl().add_to(area)
9
10 fig.add_child(area)
11 folium.Marker(location=[12.97796205124043, 77.5714694969577],popup='<strong>Majestic</strong>',tooltip='<strong>Source</strong>')
12 folium.Marker(location=[12.996562101554806, 77.57708751303501],popup='<strong>Palace Guttahalli</strong>',tooltip='<strong>Click here to see</strong>')
13 folium.Marker(location=[13.016882272742771, 77.58358241093099],popup='<strong>Air Force</strong>',tooltip='<strong>Click here to see</strong>')
14 folium.Marker(location=[13.020493301901361, 77.5837421520479],popup='<strong>Mekhri Circle</strong>',tooltip='<strong>Click here to see</strong>')
15 folium.Marker(location=[13.050405525476947, 77.59265766860456],popup='<strong>Hebbal</strong>',tooltip='<strong>Click here to see</strong>')
16 folium.Marker(location=[13.057624213638528, 77.59282299744122],popup='<strong>Kodigehalli Gate</strong>',tooltip='<strong>Click here to see</strong>')
17 folium.Marker(location=[13.097844684714925, 77.59152868209517],popup='<strong>NES</strong>',tooltip='<strong>Click here to see</strong>')
18 folium.Marker(location=[13.134491394901266, 77.5692436149653],popup='<strong>Avalahalli</strong>',tooltip='<strong>Click here to see</strong>')
19 folium.Marker(location=[13.172811282800334, 77.56409842465821],popup='<strong>Rajanakunte</strong>',tooltip='<strong>Click here to see</strong>')
20 folium.Marker(location=[13.171498731375447, 77.53504026495195],popup='<strong>Presidency University</strong>',tooltip='<strong>Click here to see</strong>')
21
22 area
```

Out[3]:



In [ ]:

1