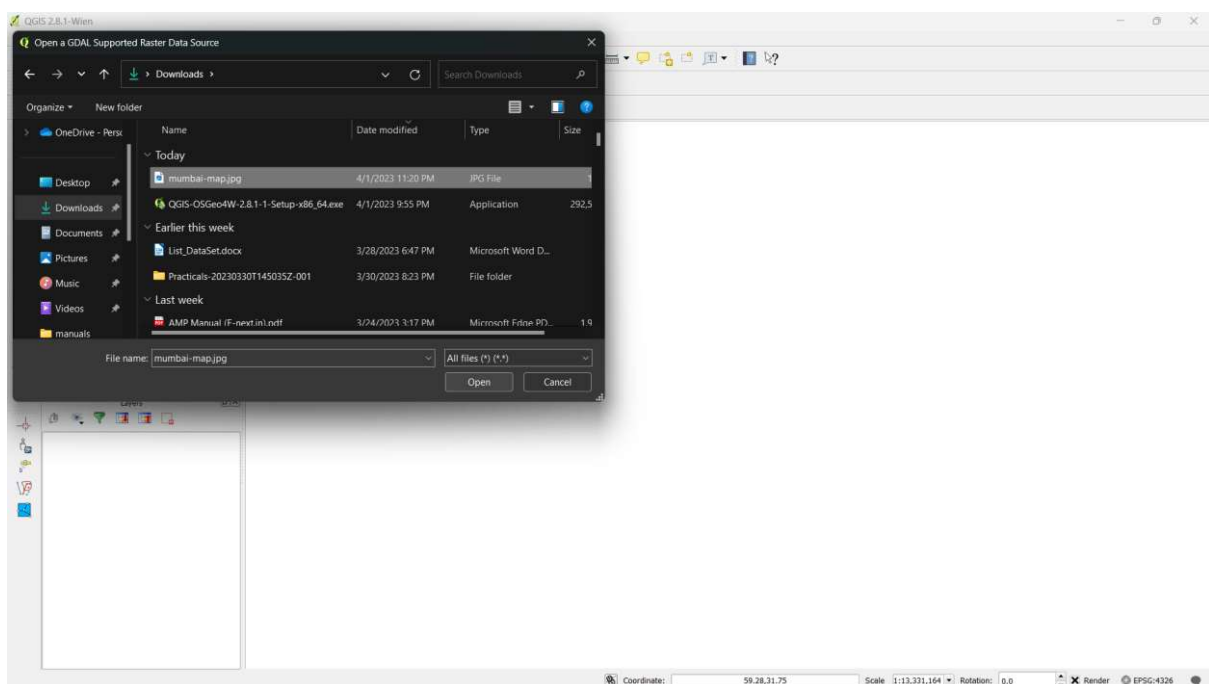


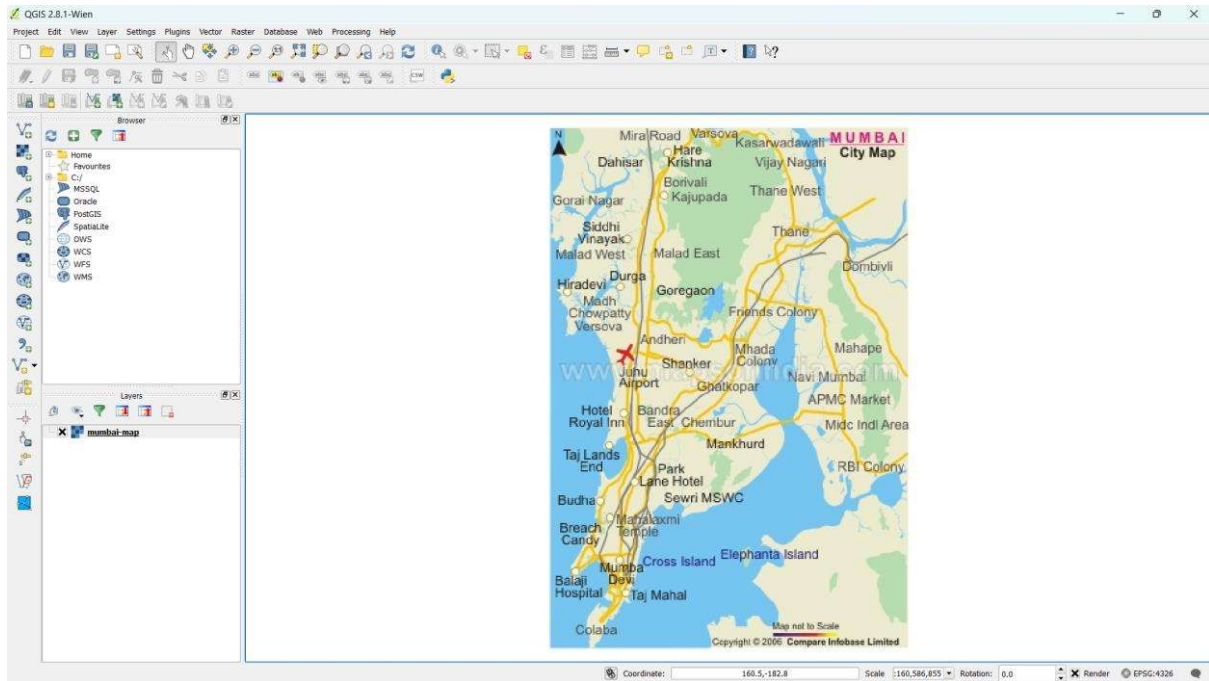
## PRACTICAL – 3

**Aim:** Making a Map, Working with Attributes, Importing Spreadsheets or CSV files  
Using Plugins, Searching and Downloading OpenStreetMap Data.

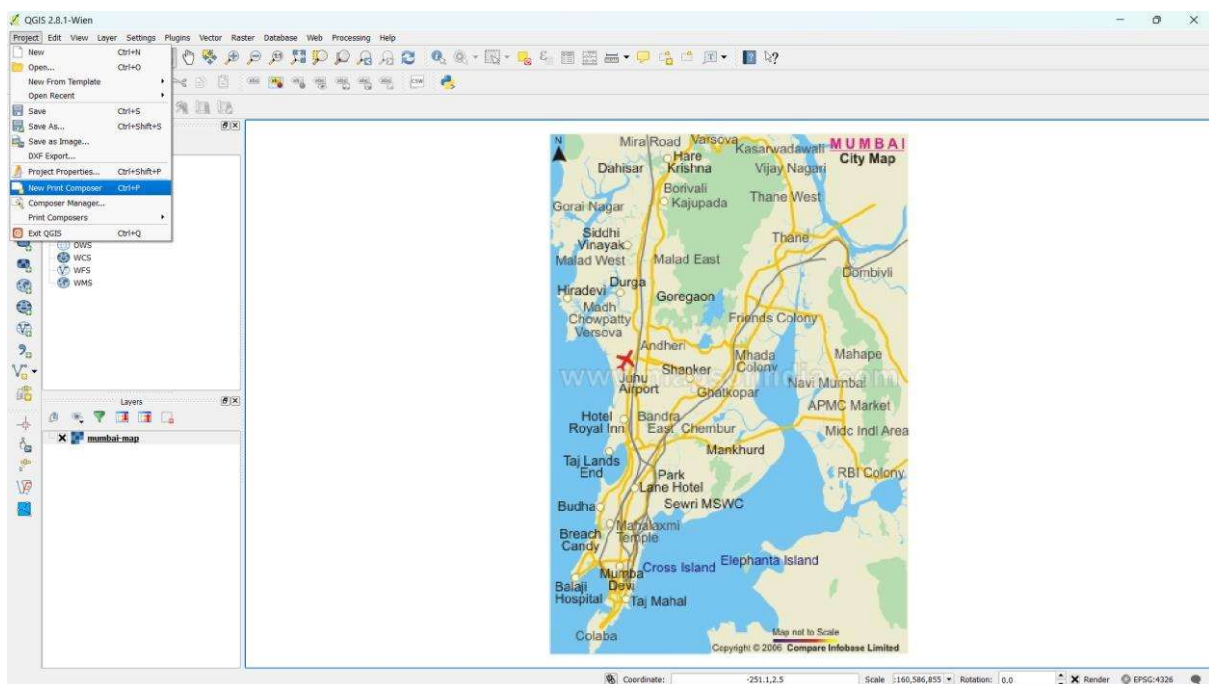
### Steps:

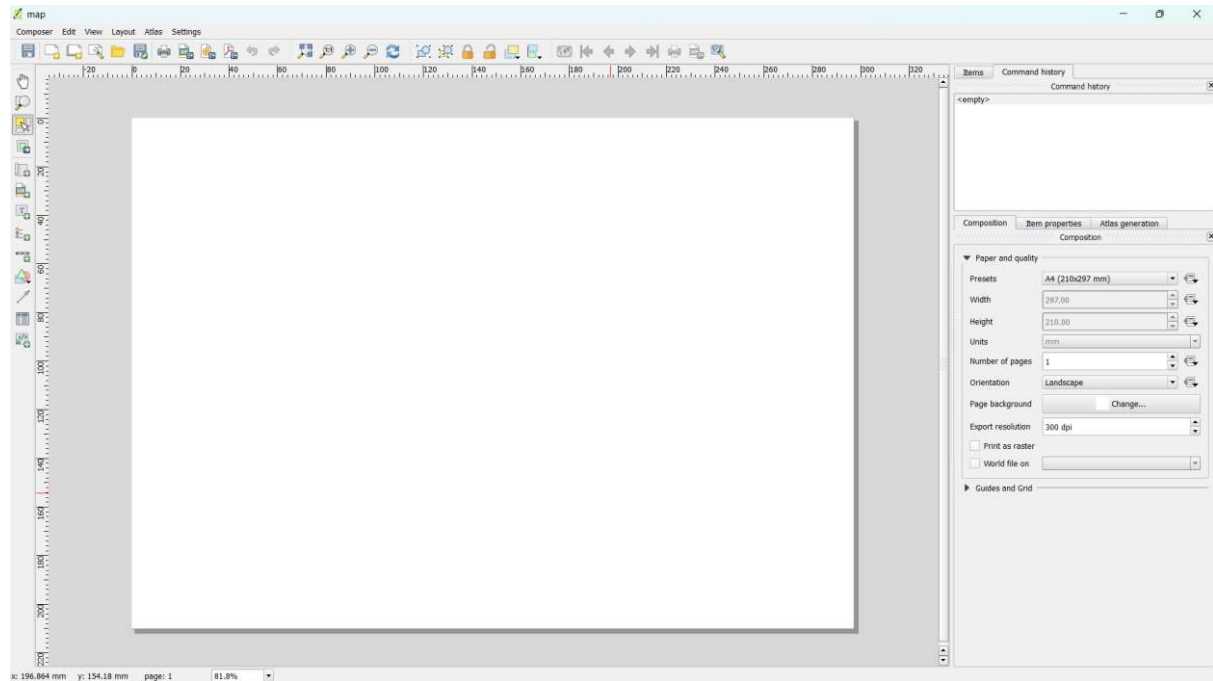
Step 1 – To make a map with Raster Data – Open QGIS Desktop and open a new project.  
Add a Raster Layer with the image shown below.



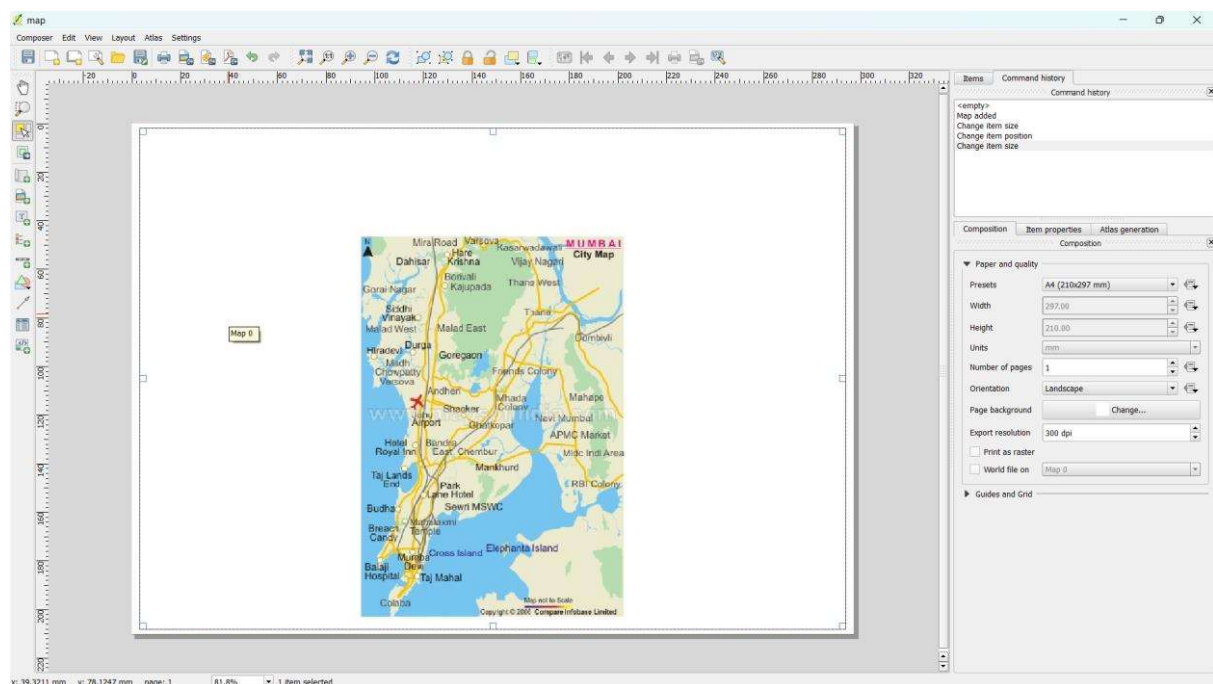


Step 2 – In Project tab click Project Composer. Give it a name and open it.





Step 3 – Select the add new map tool and select the entire canvas.



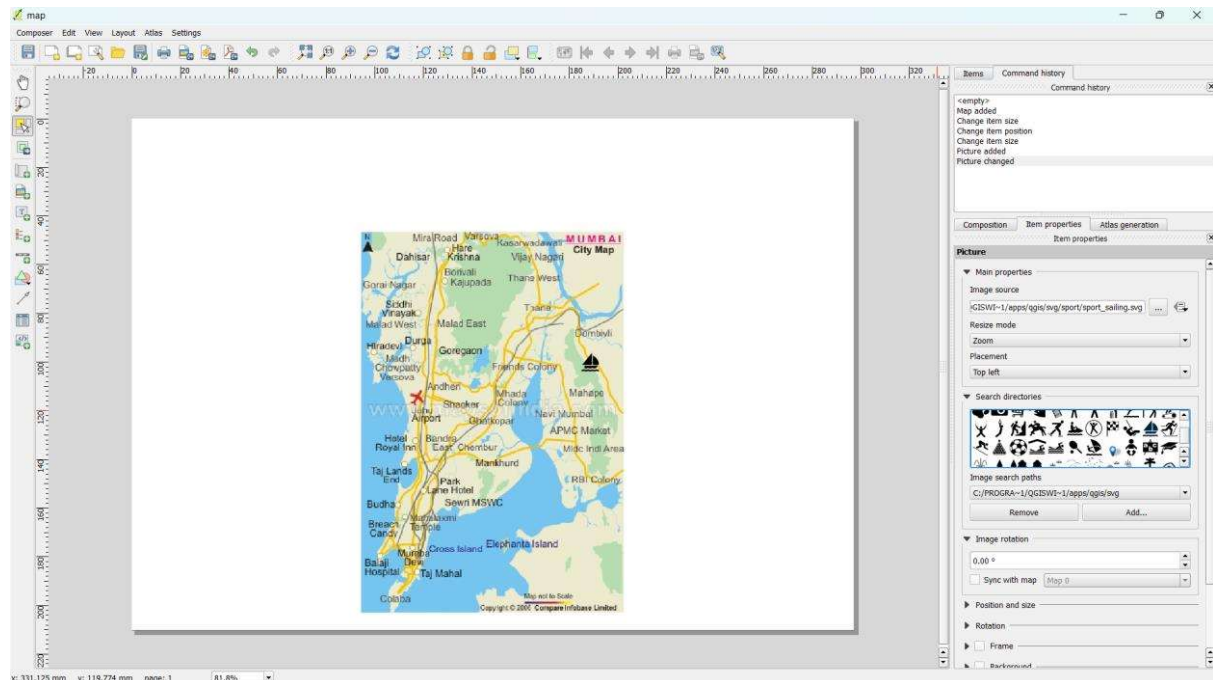
Name: Sheldon Dias

Subject: Principles of Geographical Information System Practical

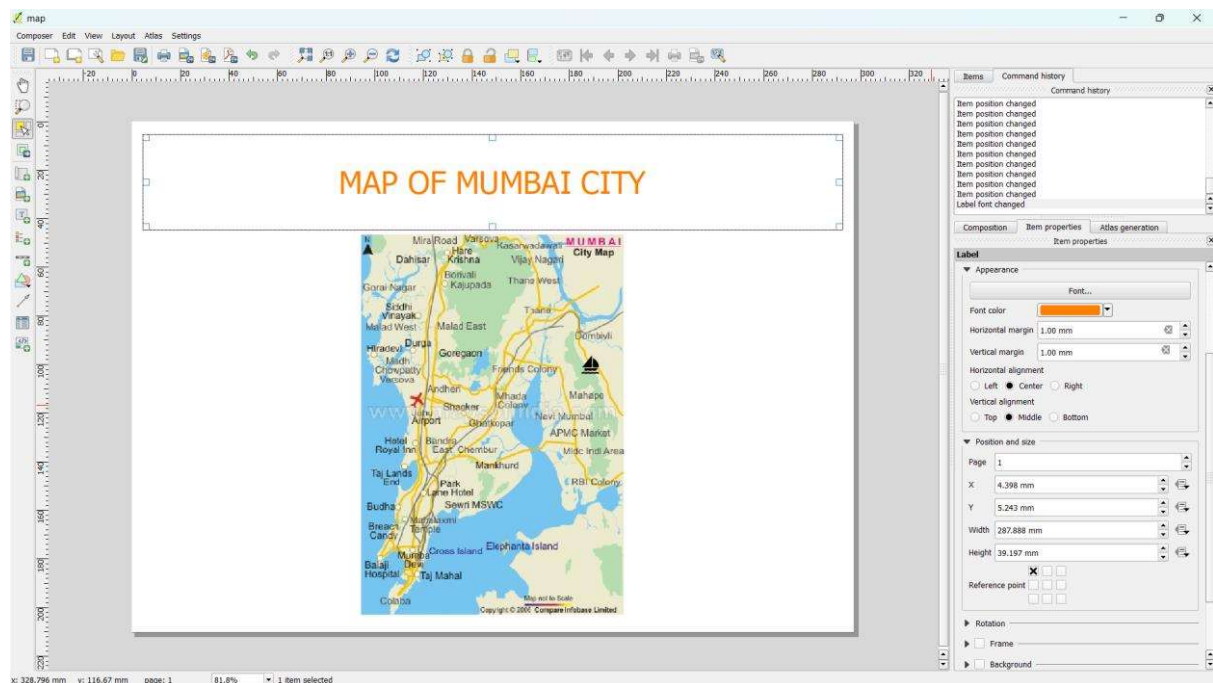
Roll No: IT20010

Subject Code: USIT6P4

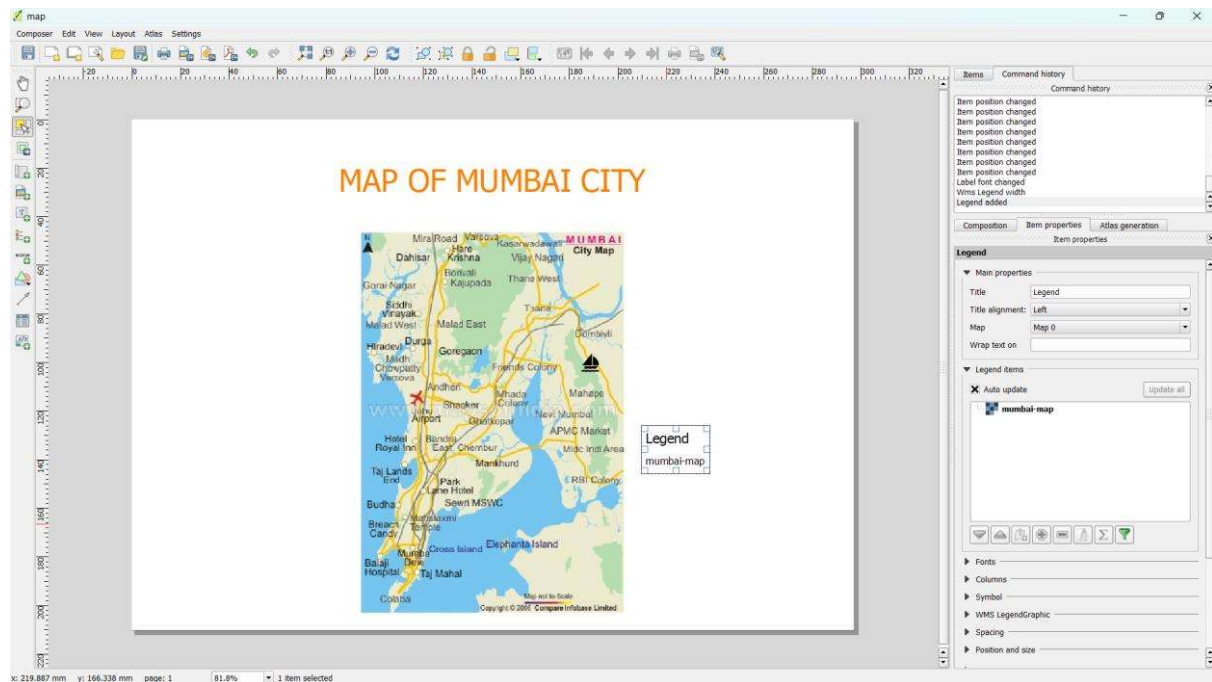
Step 4 – To insert an image on the map select the add image tool and in the item properties tab select the icon you want to insert.



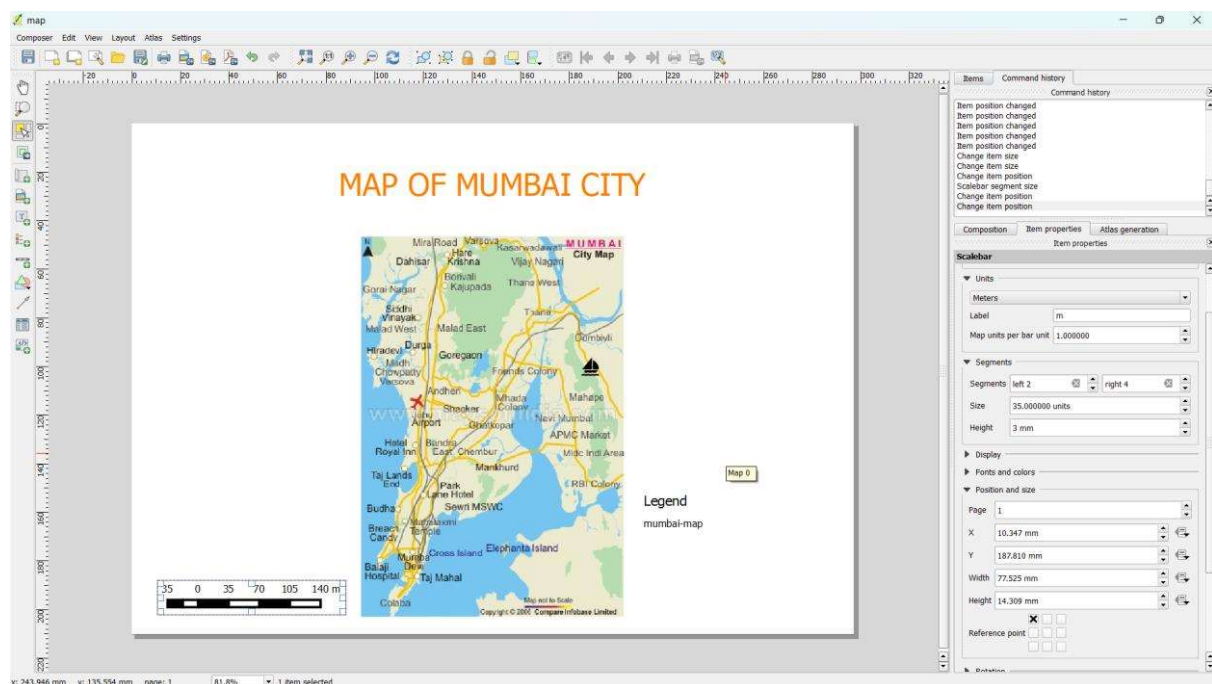
Step 5 – To add a Label to the map select the Add Label tool and select the text field. You can also change the label properties as per your liking.



Step 6 – To add a legend select the add legend tool and select the legend area.



Step 7 – To add a Scalebar select the add a scalebar tool and select where you want the scalebar to be placed.





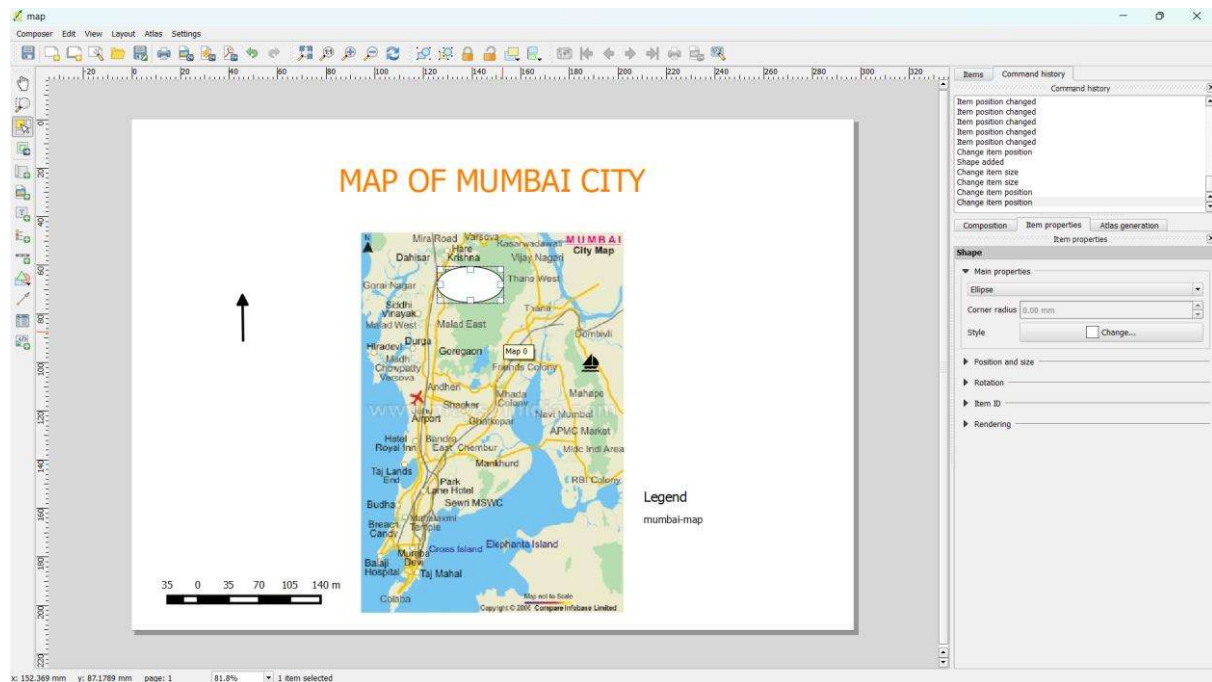
Name: Sheldon Dias

Subject: Principles of Geographical Information System Practical

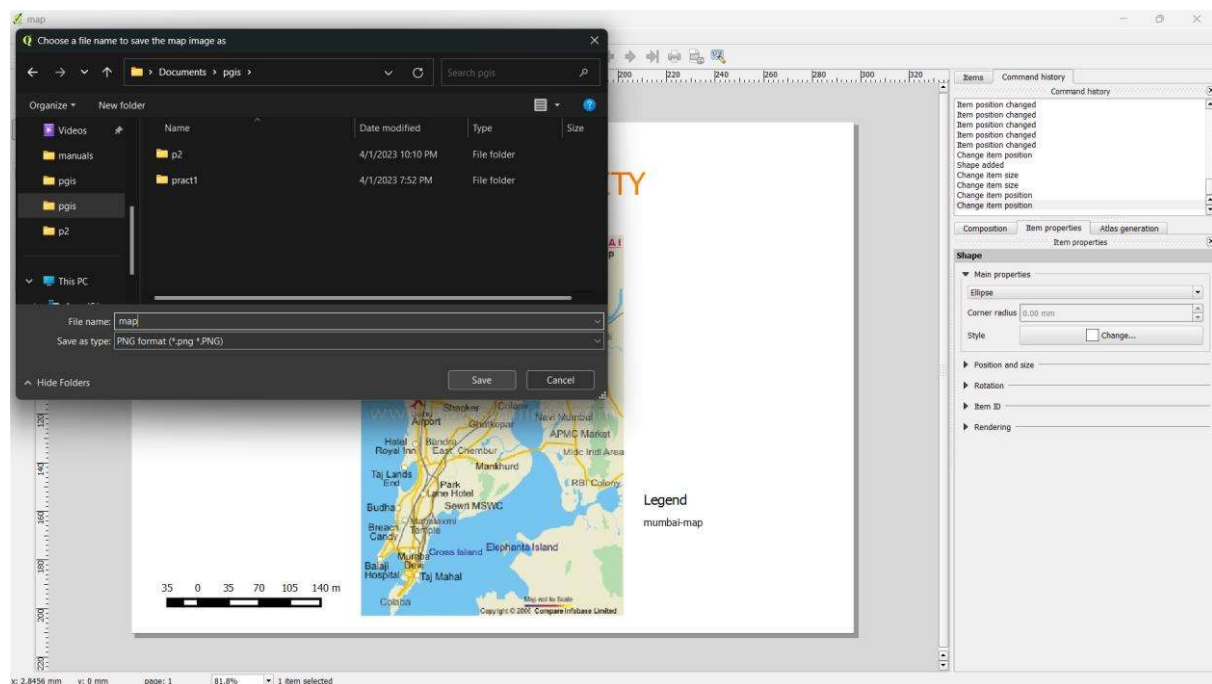
Roll No: IT20010

Subject Code: USIT6P4

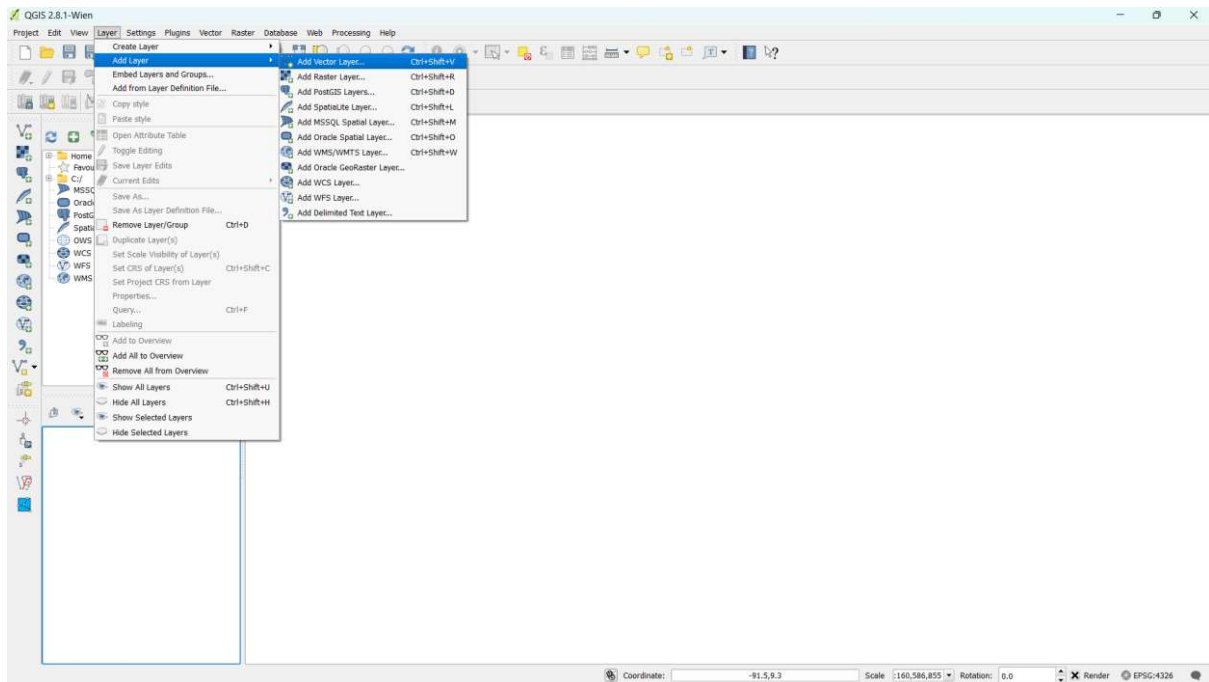
Step 8 – Similarly you can add arrows, shapes, node items, etc.



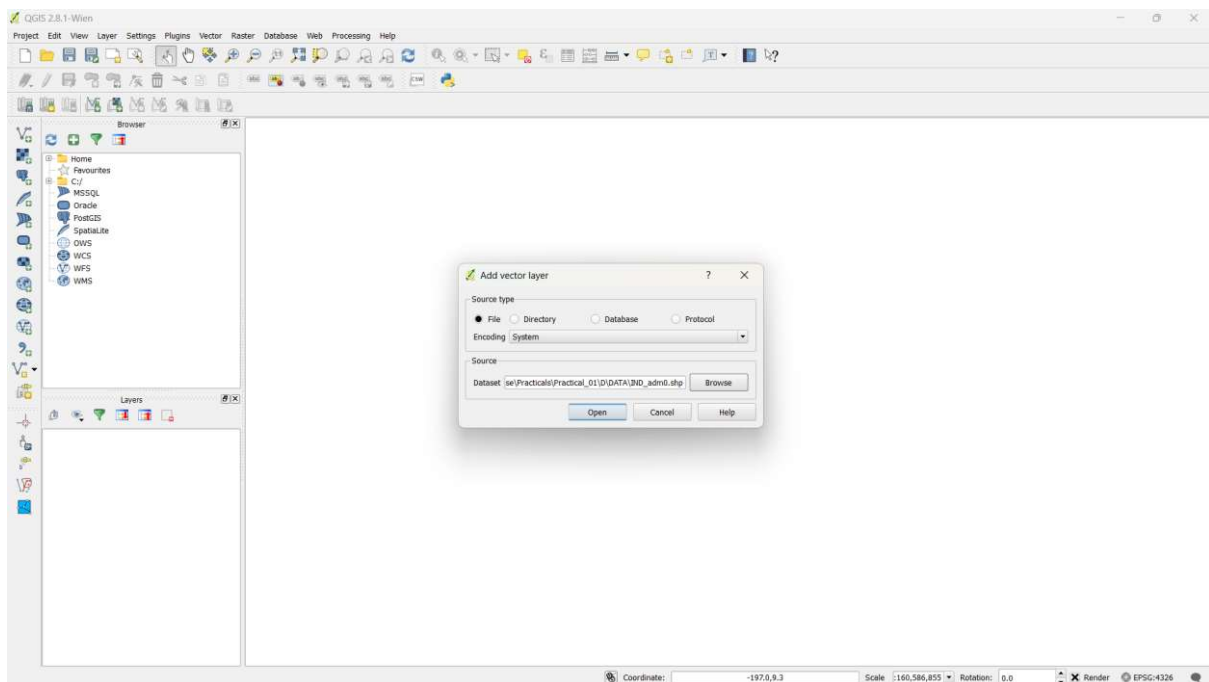
Step 9 – Finally you click the save as image button then enter the name and then hit save.

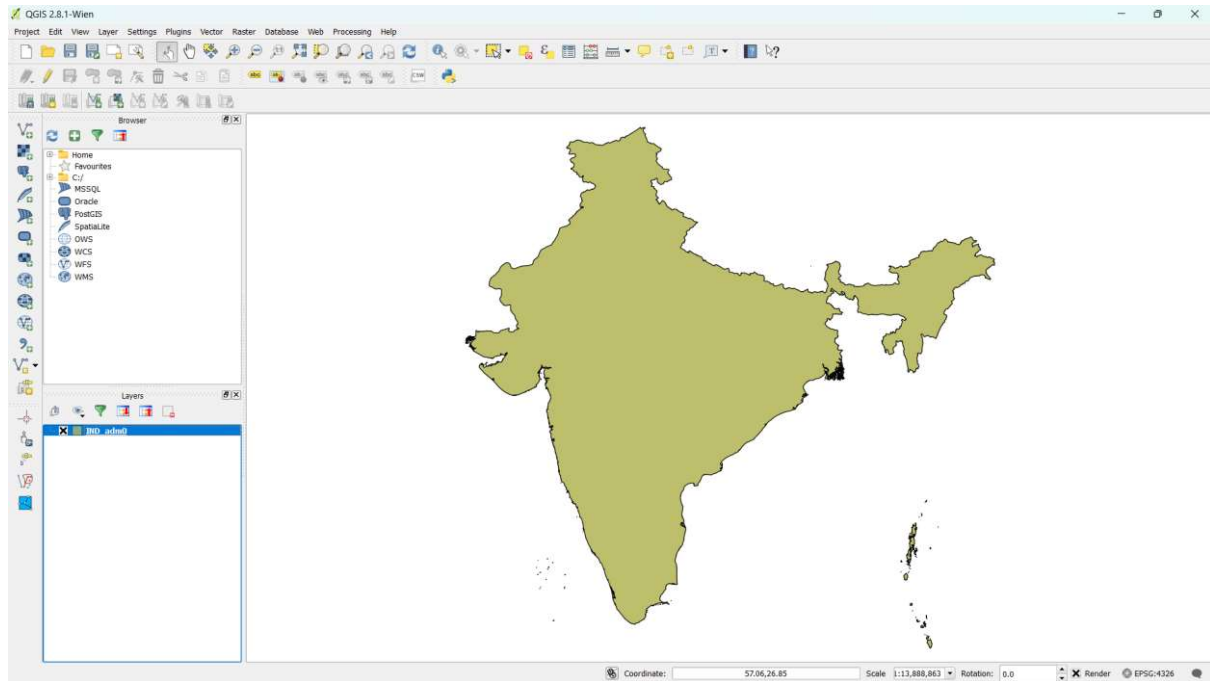


Step 10 – To create a map with Vector Data – Open QGIS Desktop. Layer > Add Layer > Add Vector Layer.

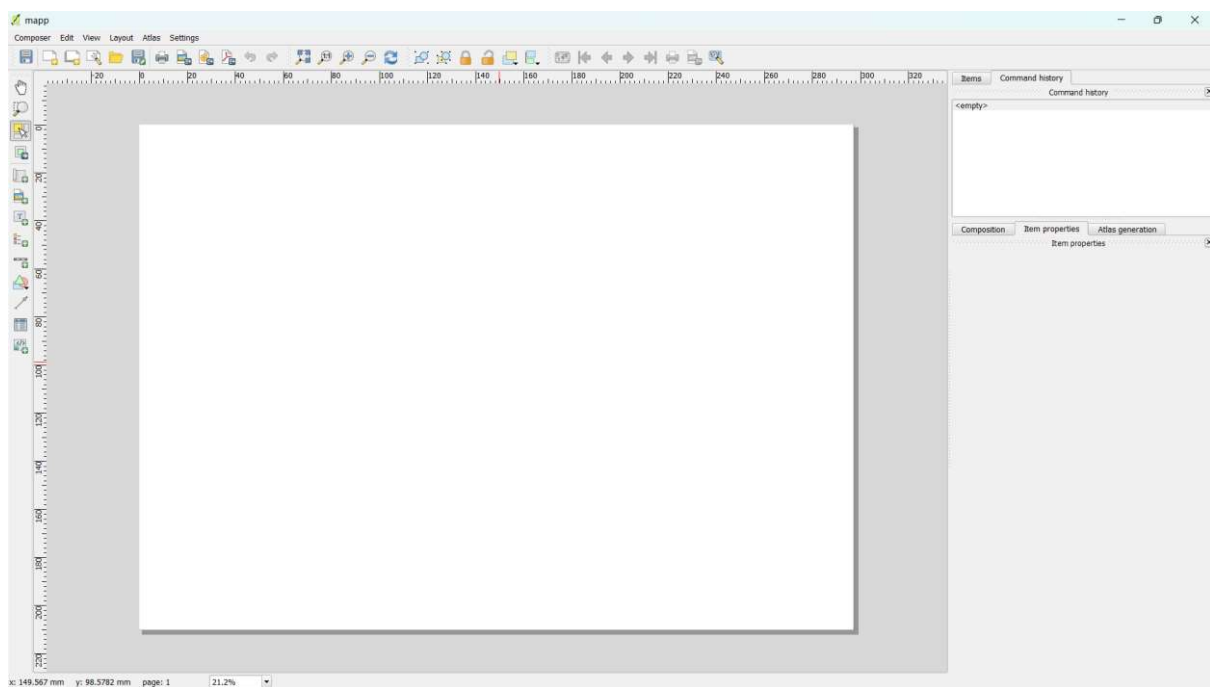


Step 11 – Select the vector file and hit open.



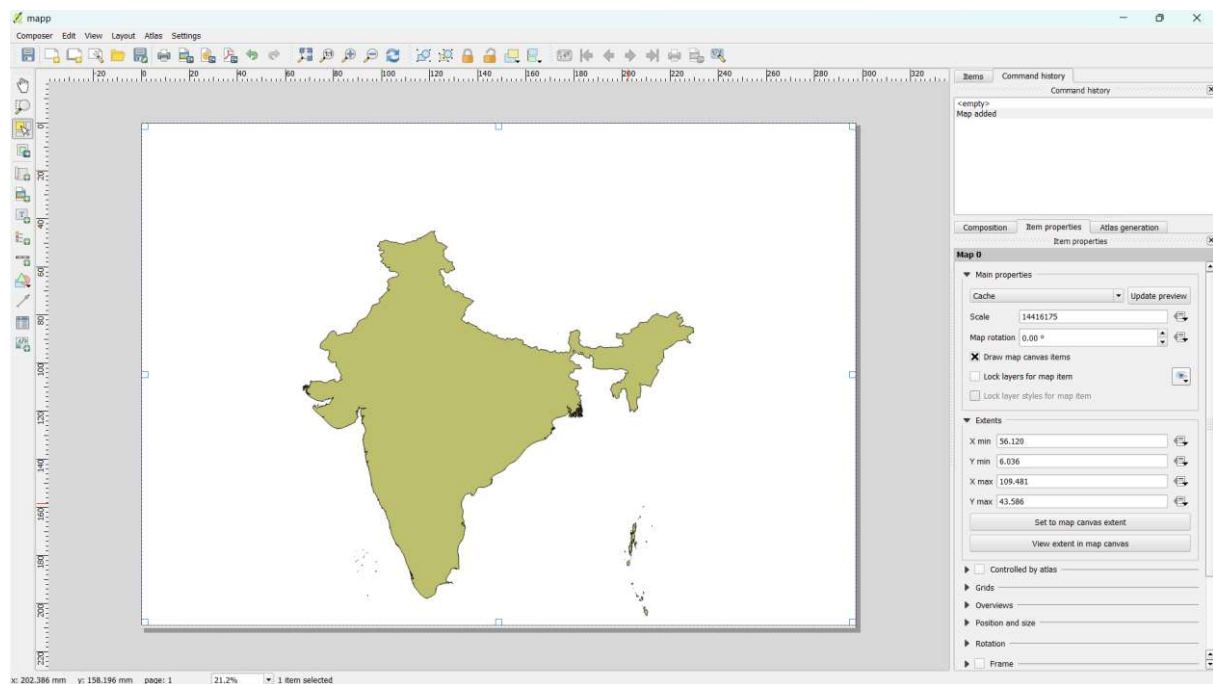


Step 12 – Project > New Print Composer. Enter a name and click OK.

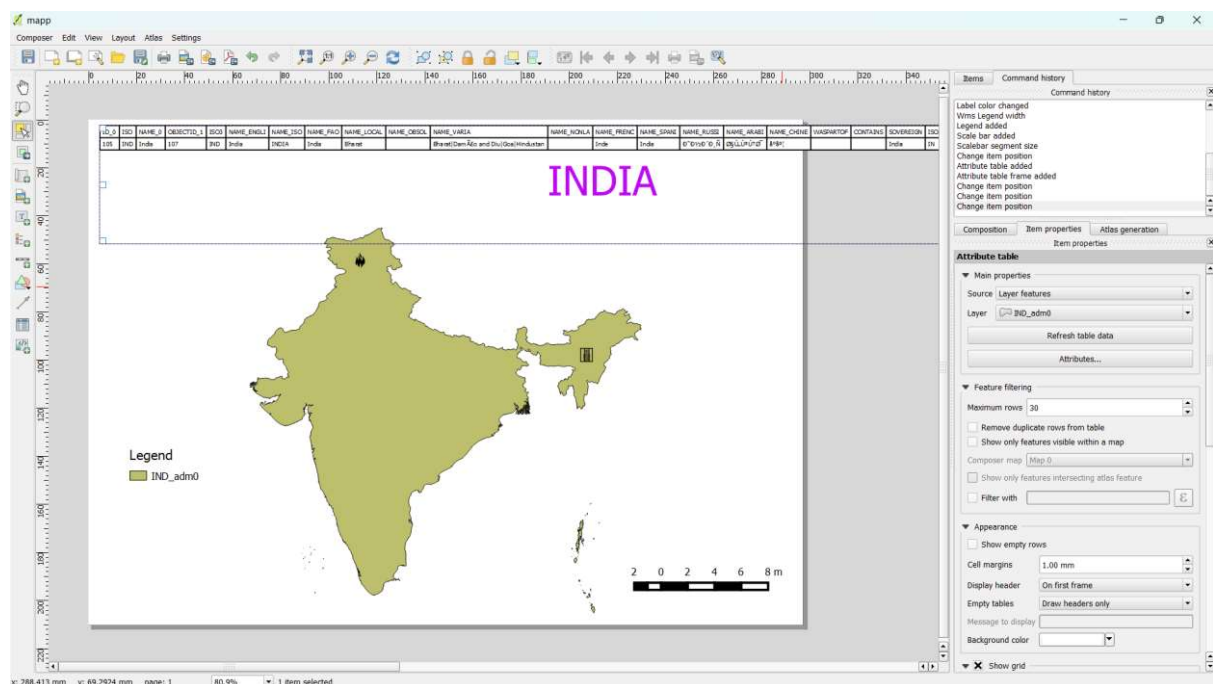




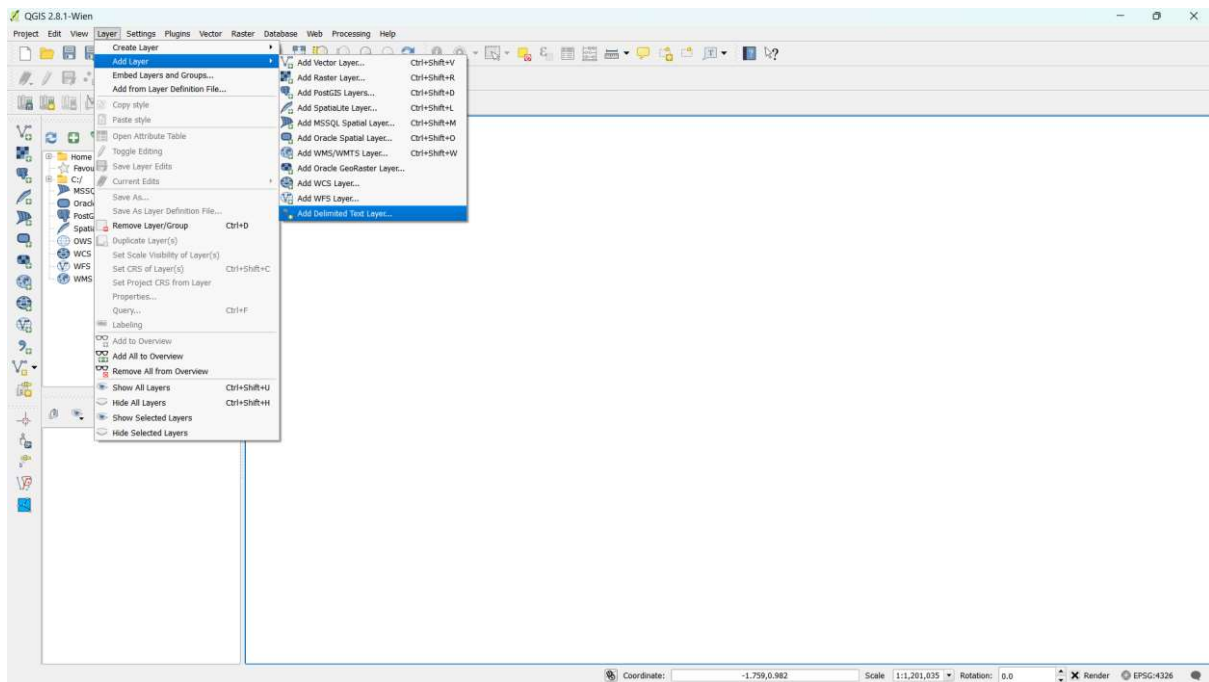
Step 13 – Select the add new map tool and select the entire canvas.



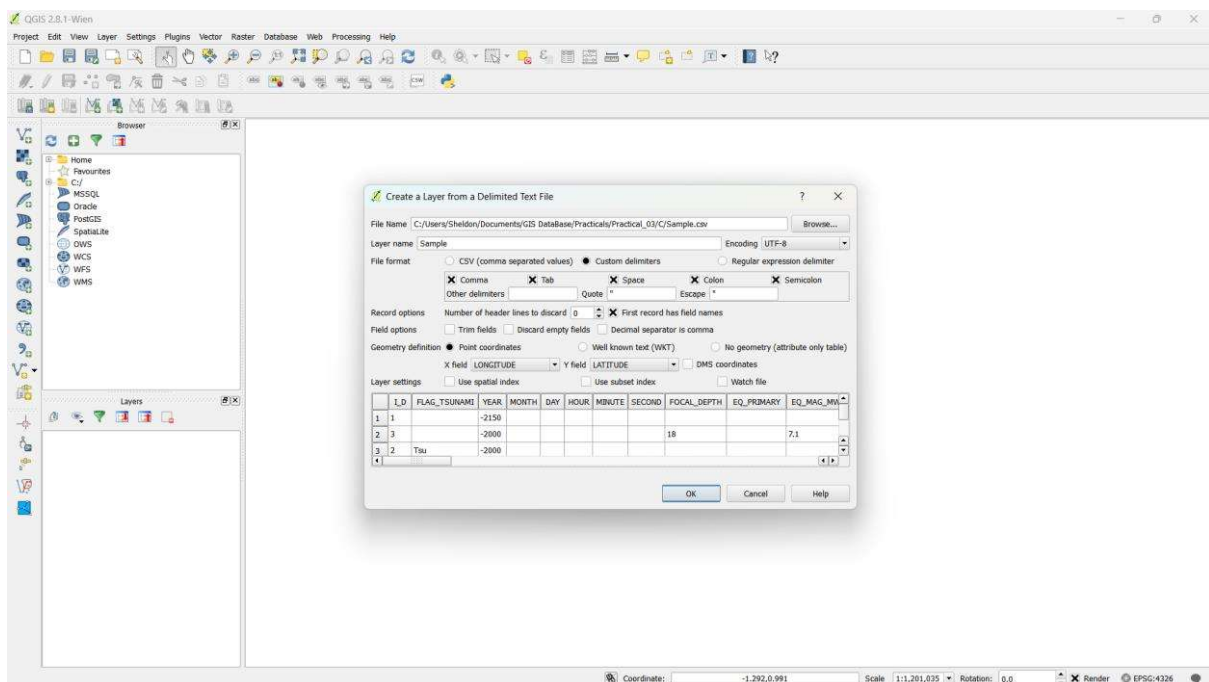
Step 14 – You can add the same things you could add to the map made with raster data. And then finally save as image.



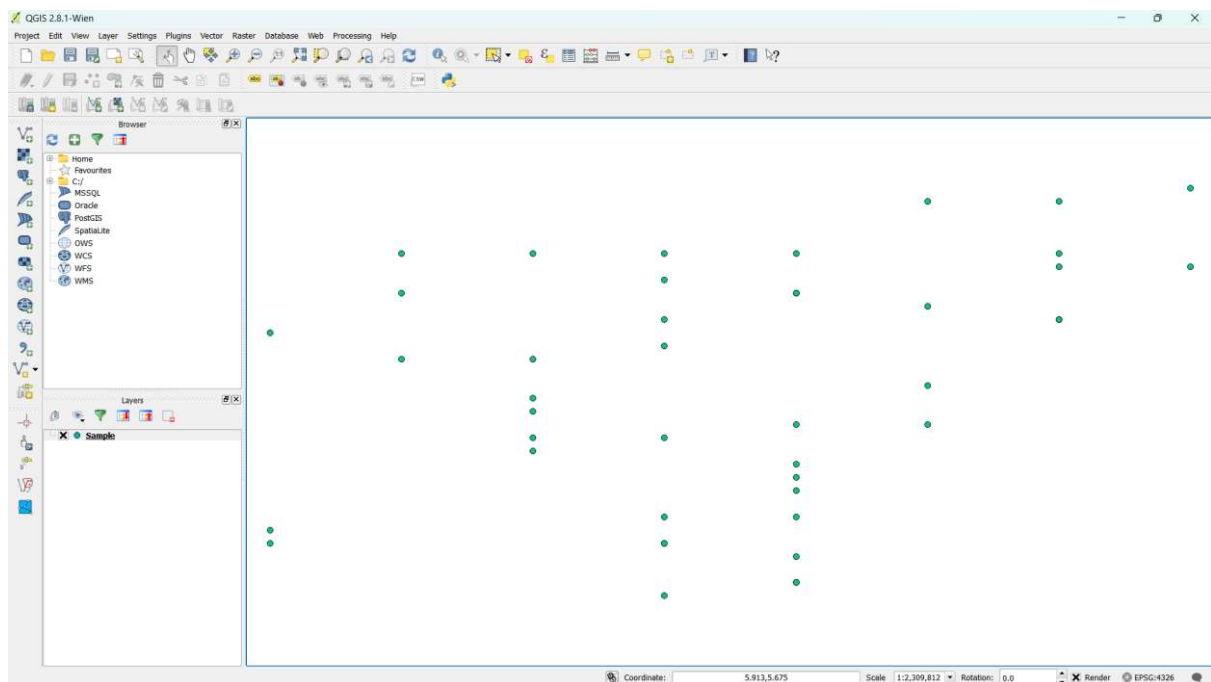
Step 15 – Now create a new project. Layer > Add Layer > Add Delimited Text Layer.



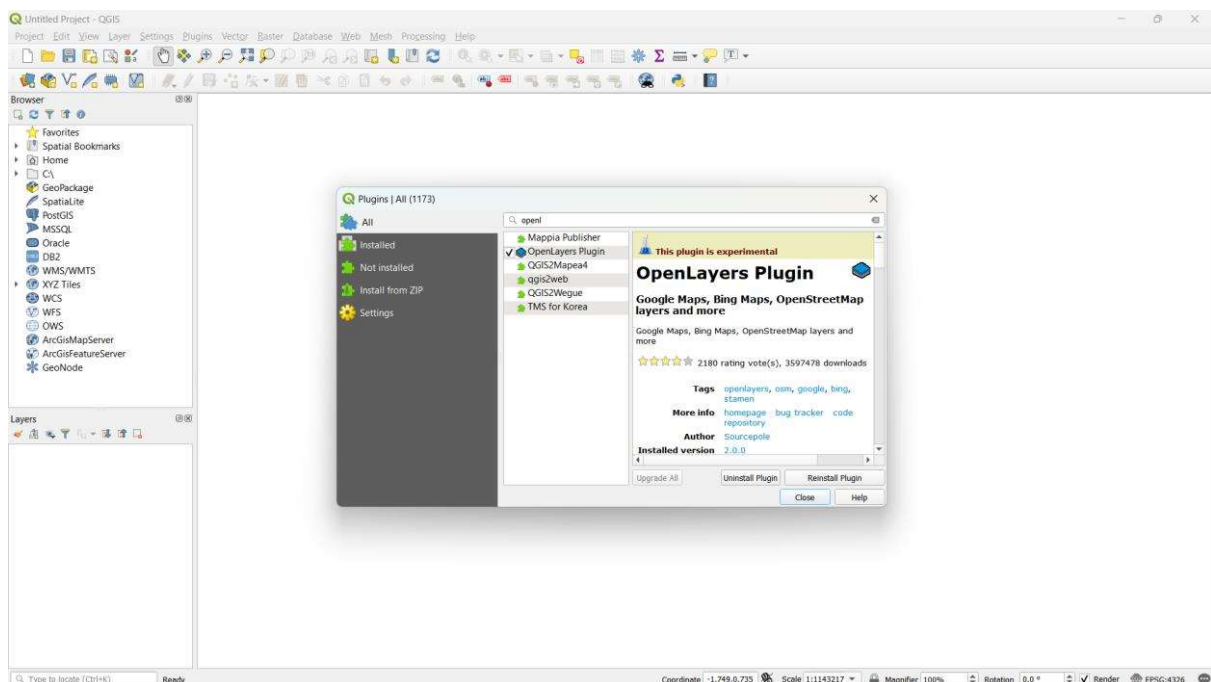
Step 16 – Enter data as shown and then click OK.

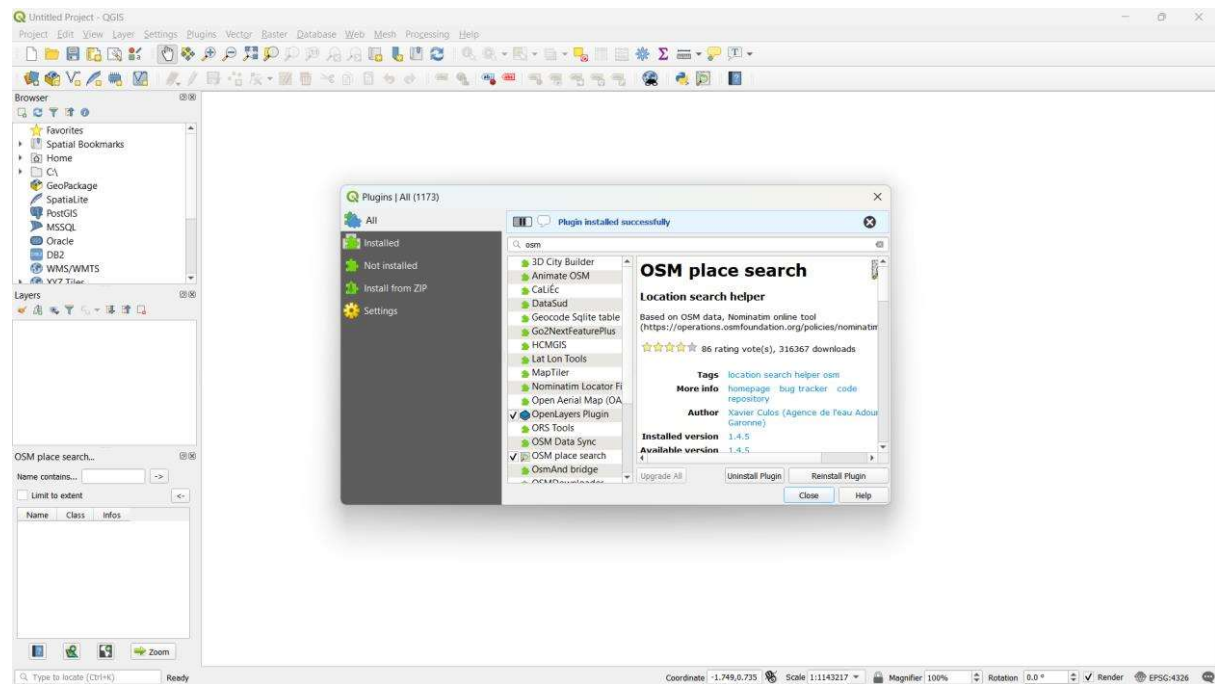


CSV file has been added.

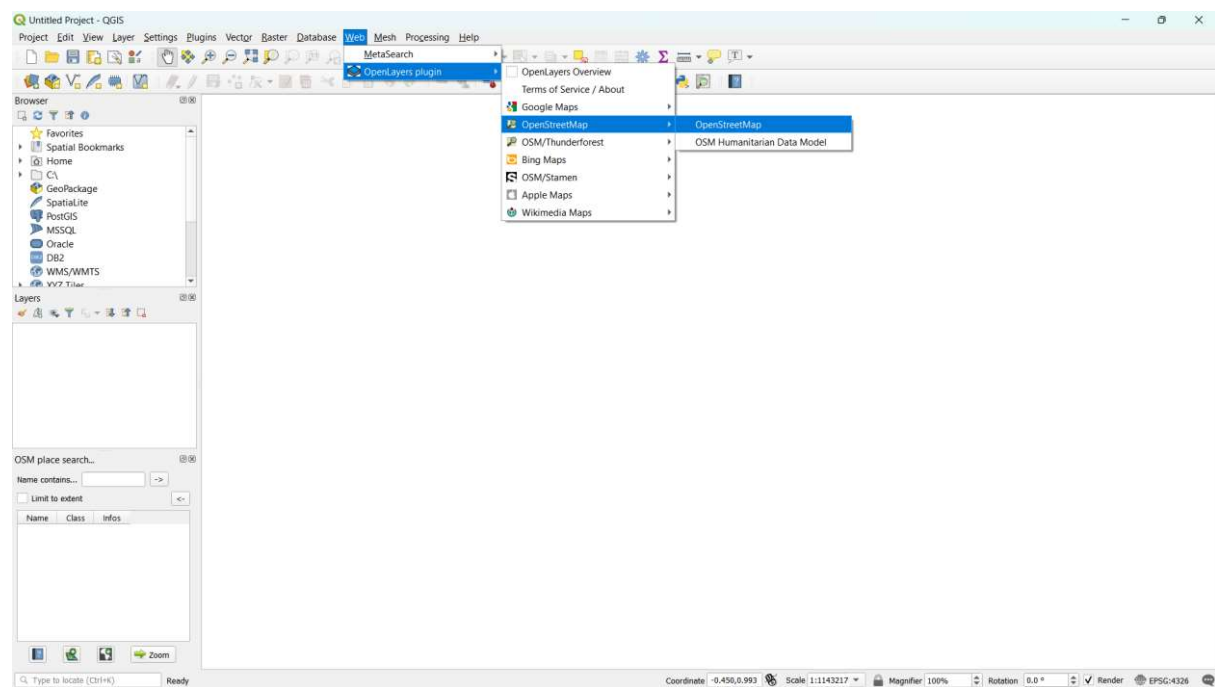


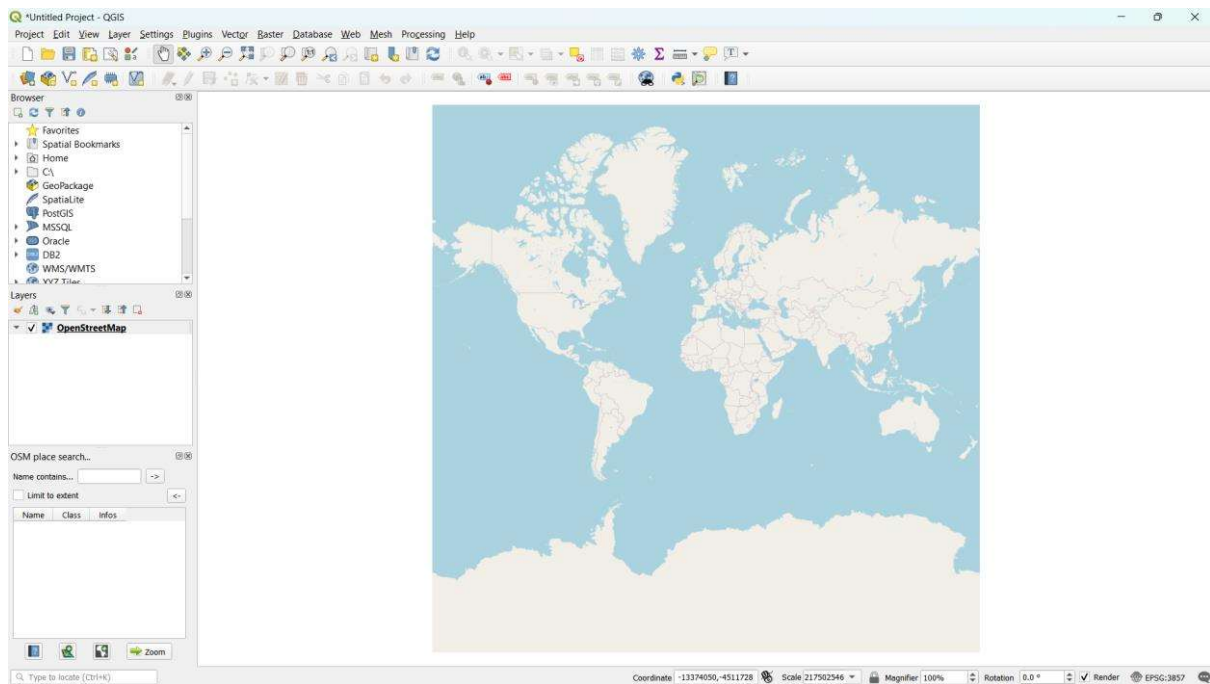
Step 17 – Install the OpenLayers and OSM place search plugin.



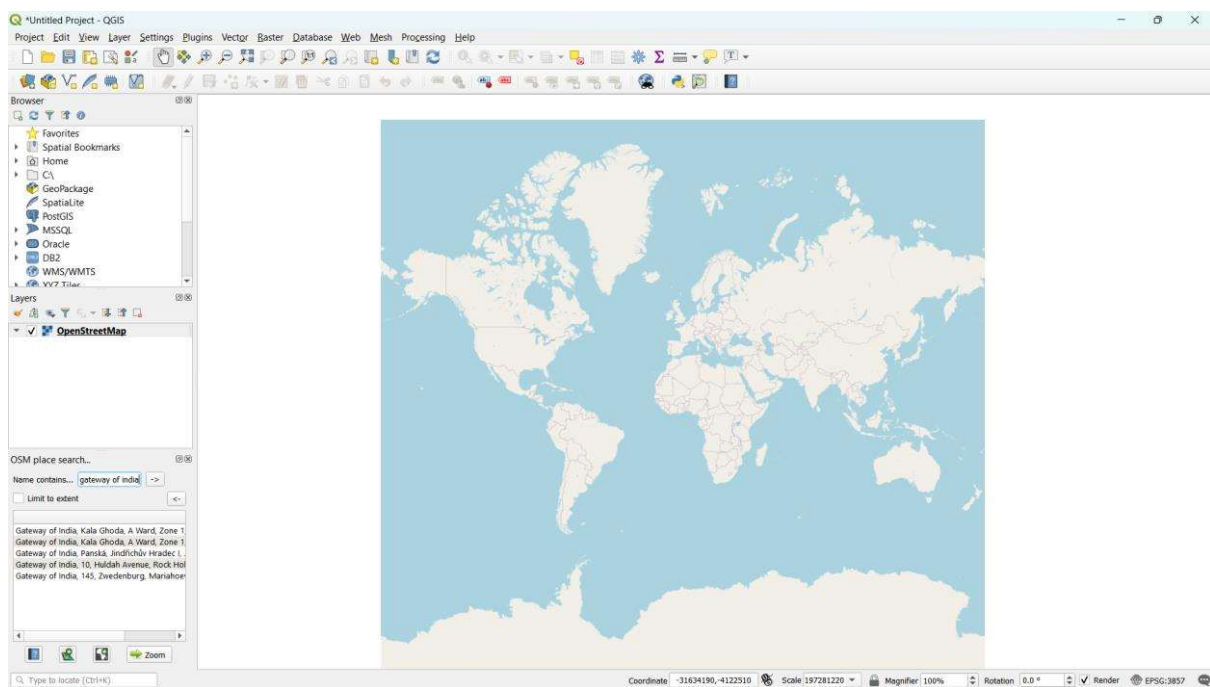


### Step 18 – Web > OpenLayers plugin > OpenStreetMap





Step 19 – To search for a place type its name in the OSM place search.





Step 20 – Select the one you want to find and hit zoom.

