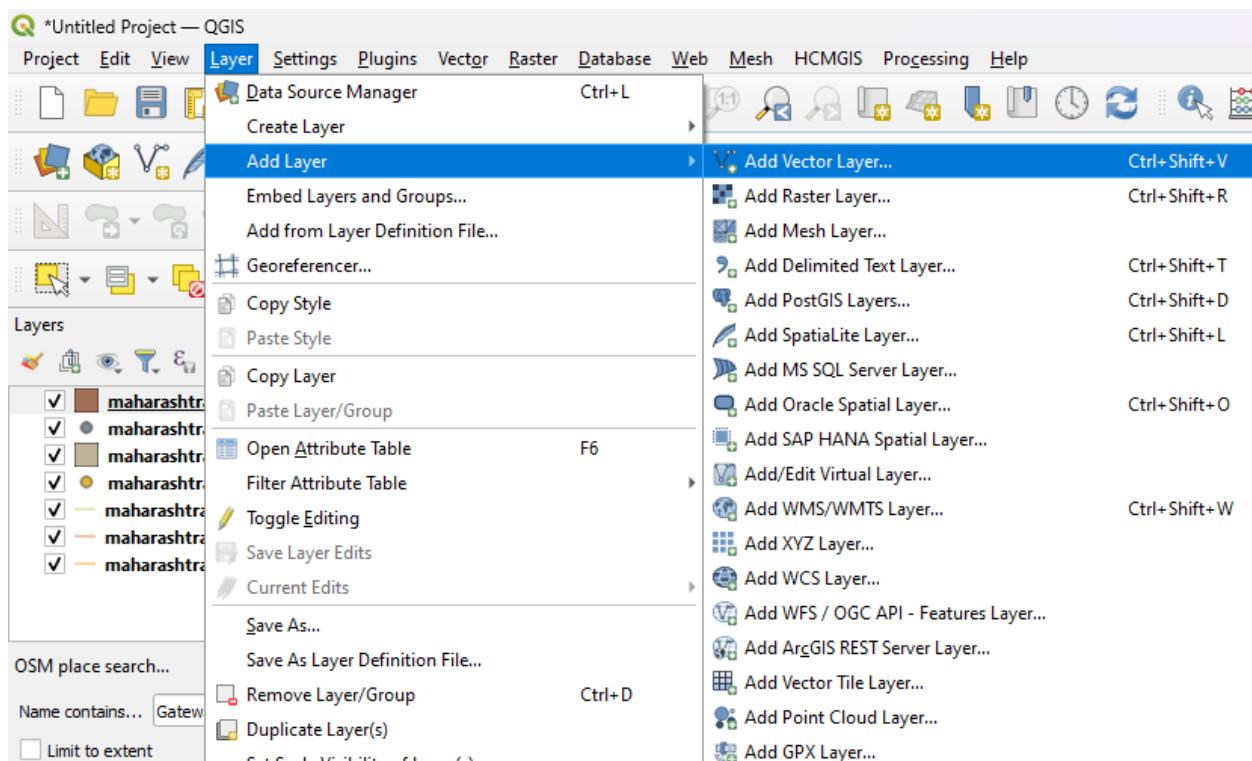
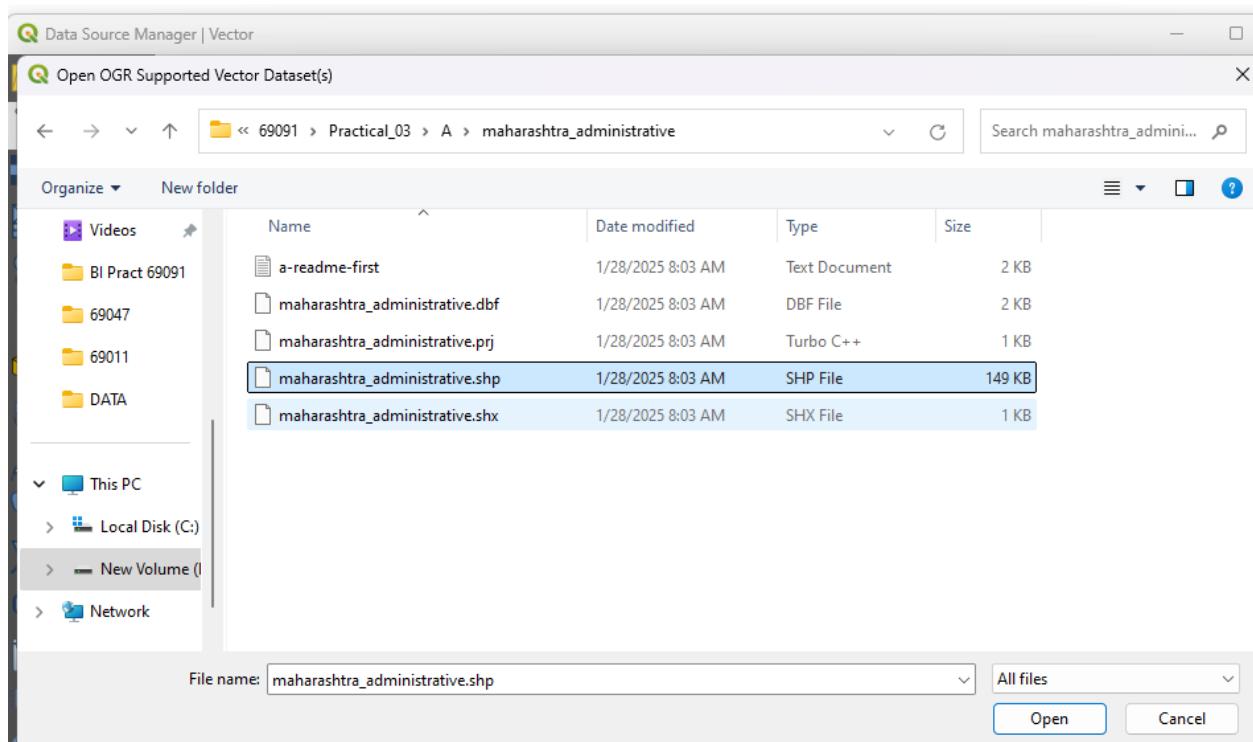


Practical no 3

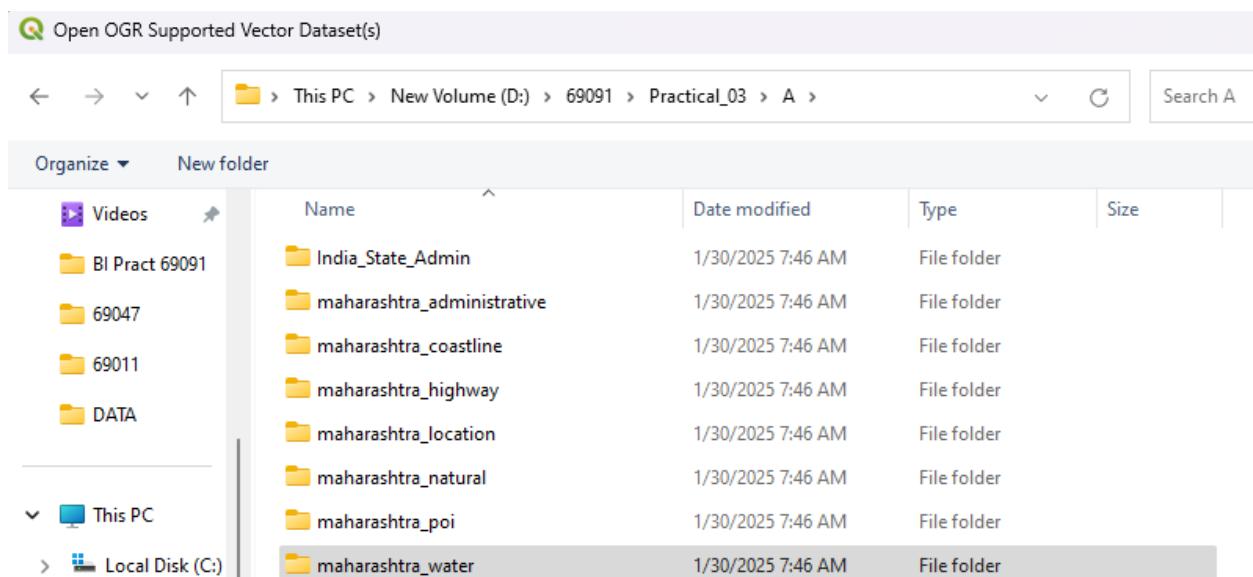
Aim: Making a map, working with attribute, Importing Spreadsheets or CSV files, Using Plugins, Searching and Downloading OpenStreetMap Data

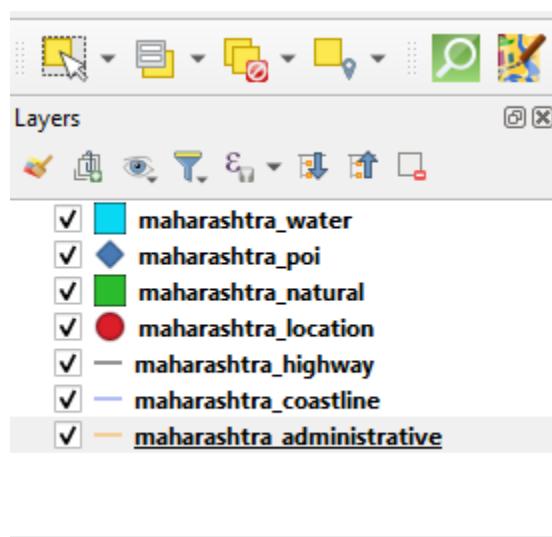
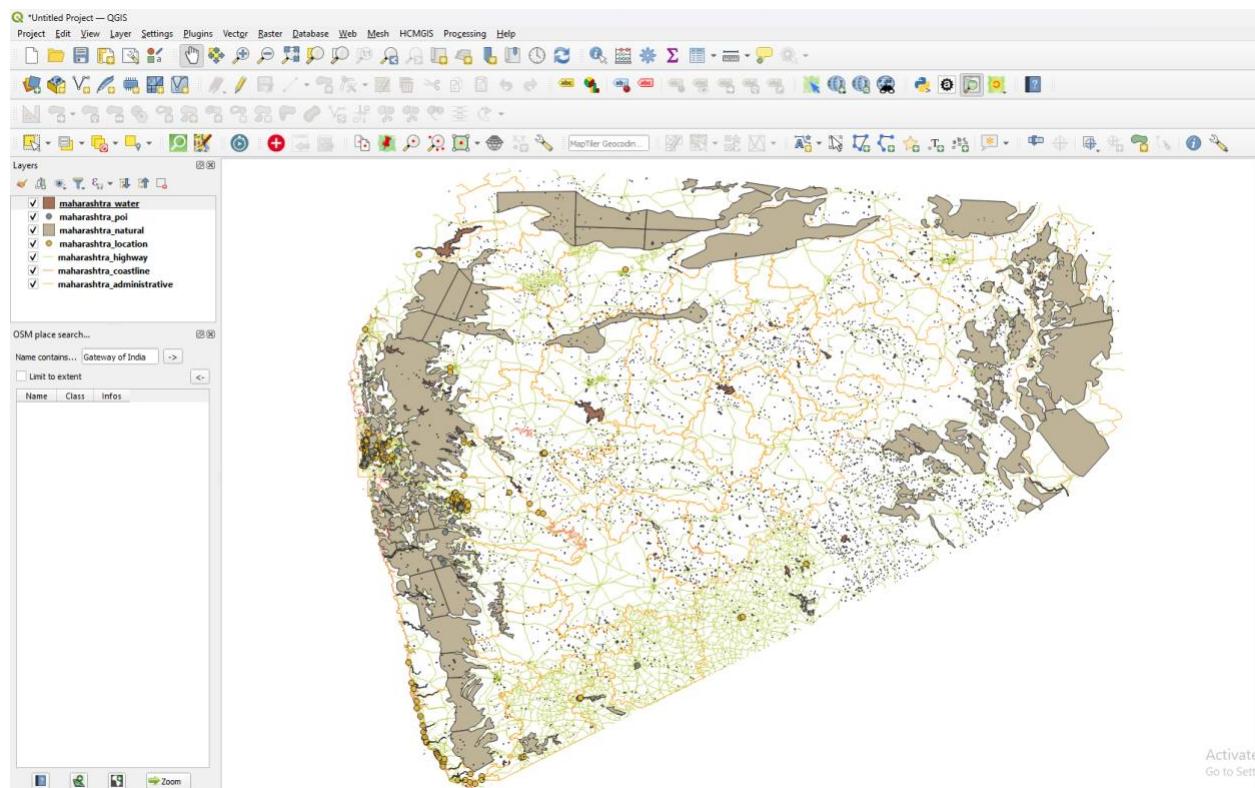
Go Layer- Add Layer – Add Vector Layer



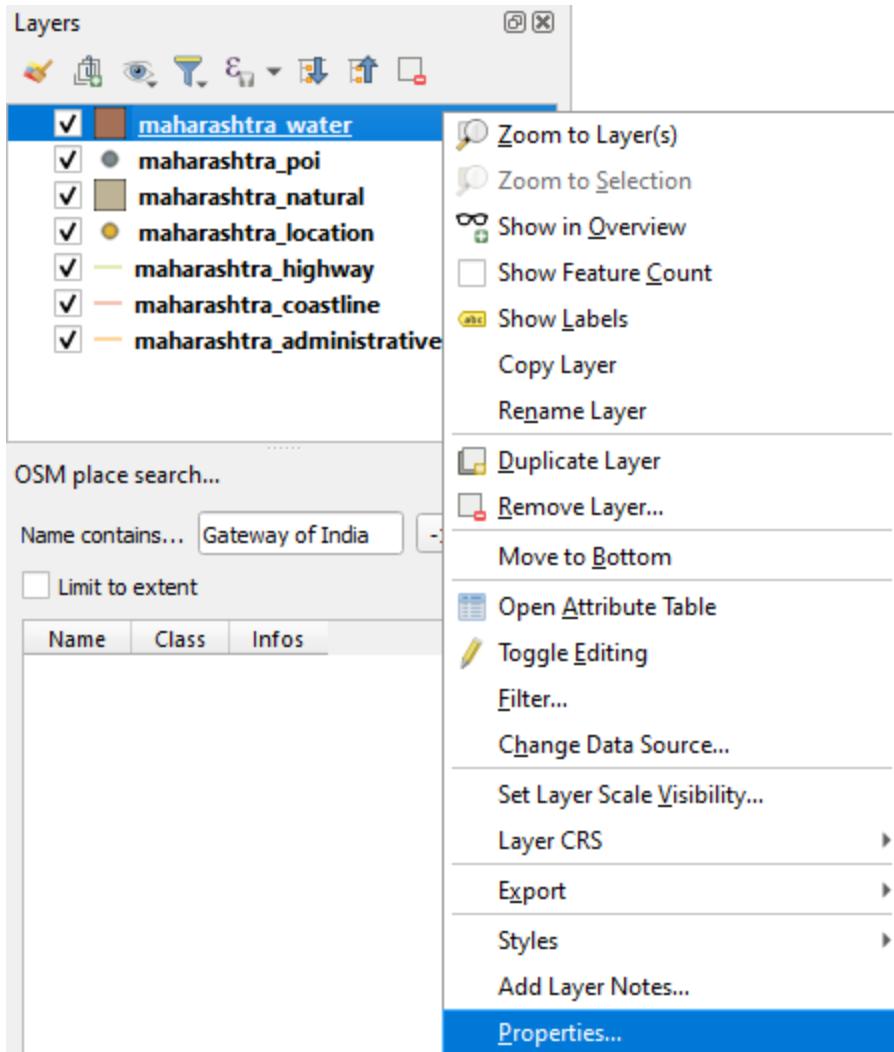


Add – All Folder expect India_State_Admin – Add all shp files

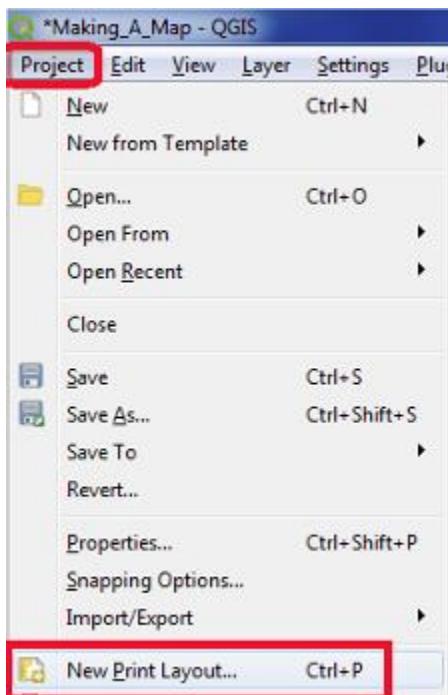




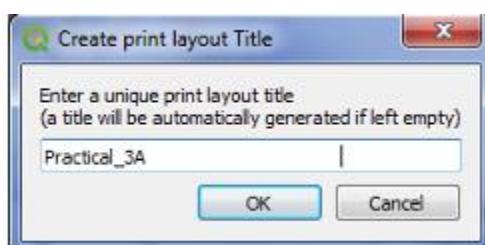
- ❖ Click maharashtra_water – Properties – select Symbology – change color
- ❖ Click maharashtra_water – Properties – select labels - select single label – then go to Symbology – change color
- ❖ Repeat the step for all ToolBar



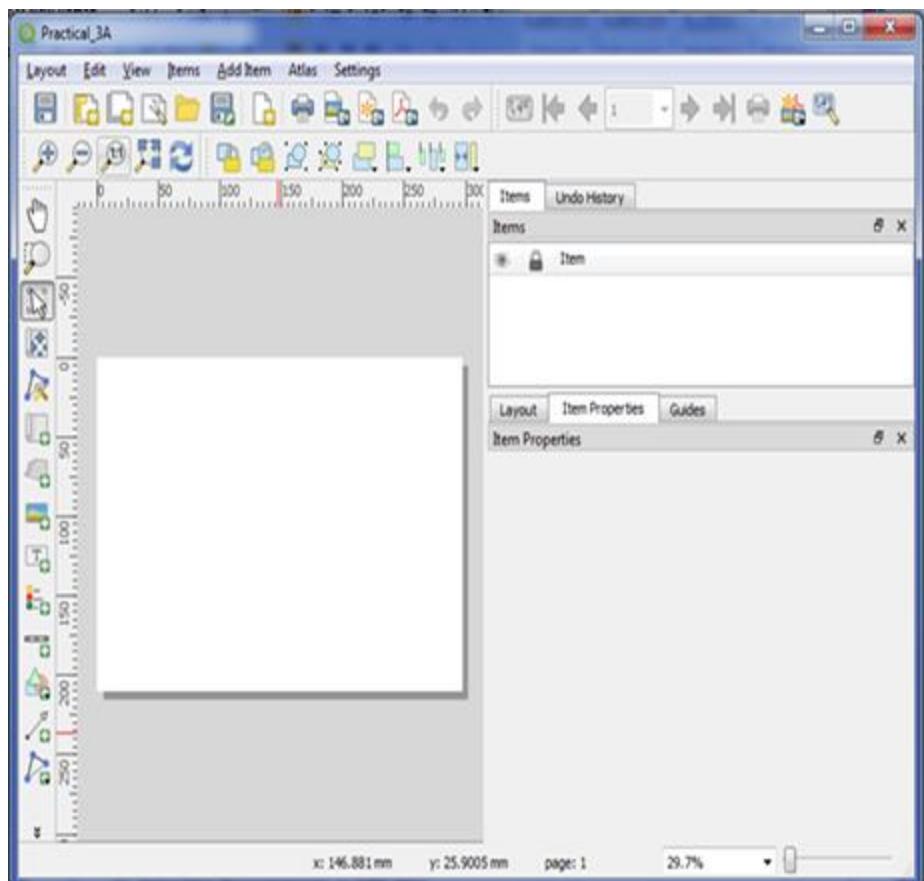
➤ Go to Project → New PrintLayout



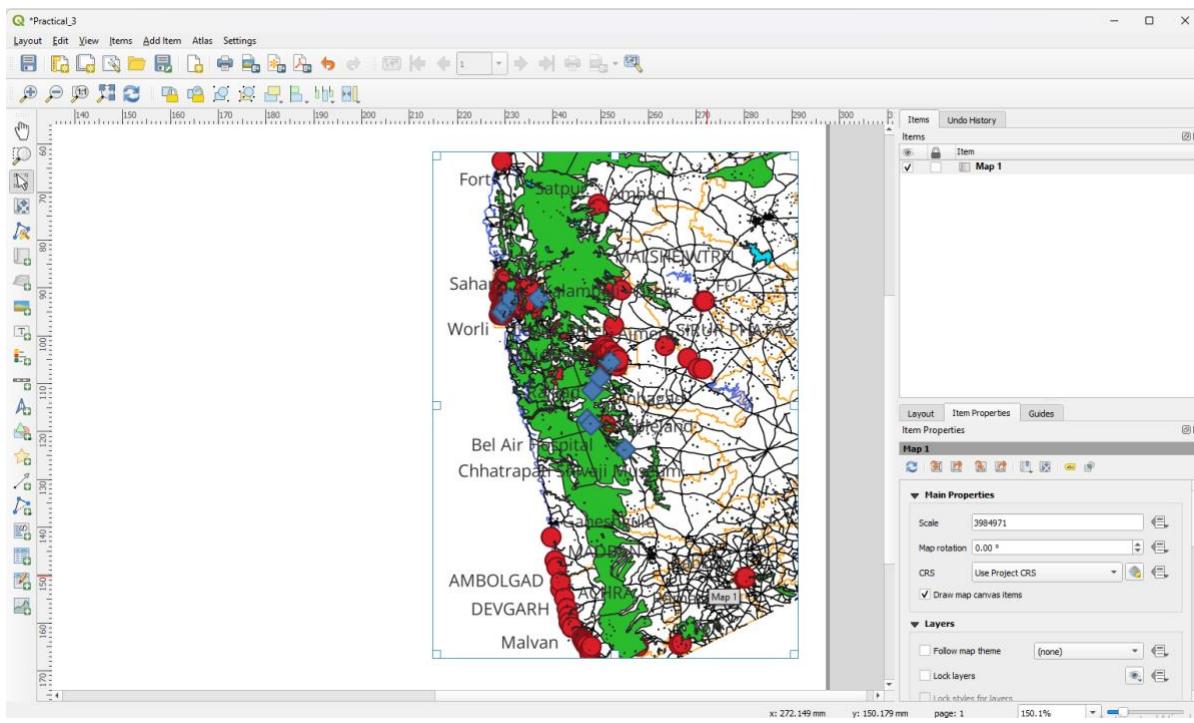
➤ Insert a suitable title and press “OK”.



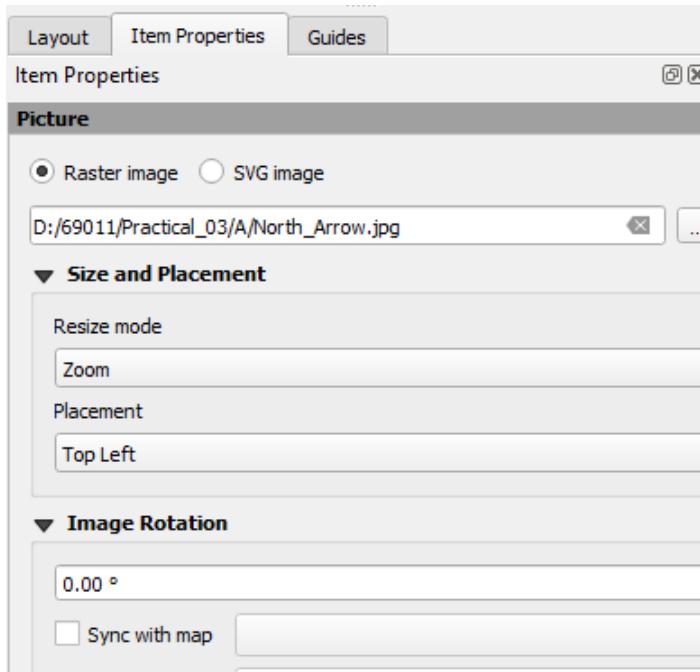
➤ A new Print Layout window will open

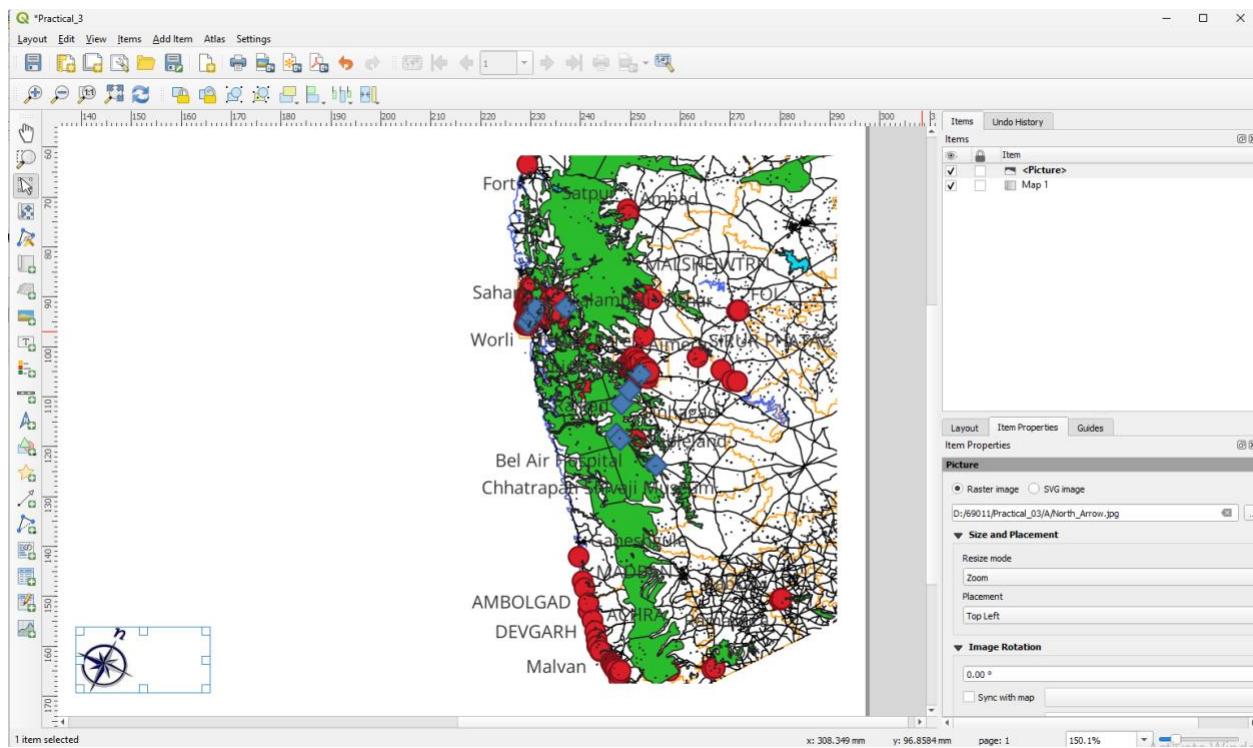


- ❖ Select Add Item → Add Map

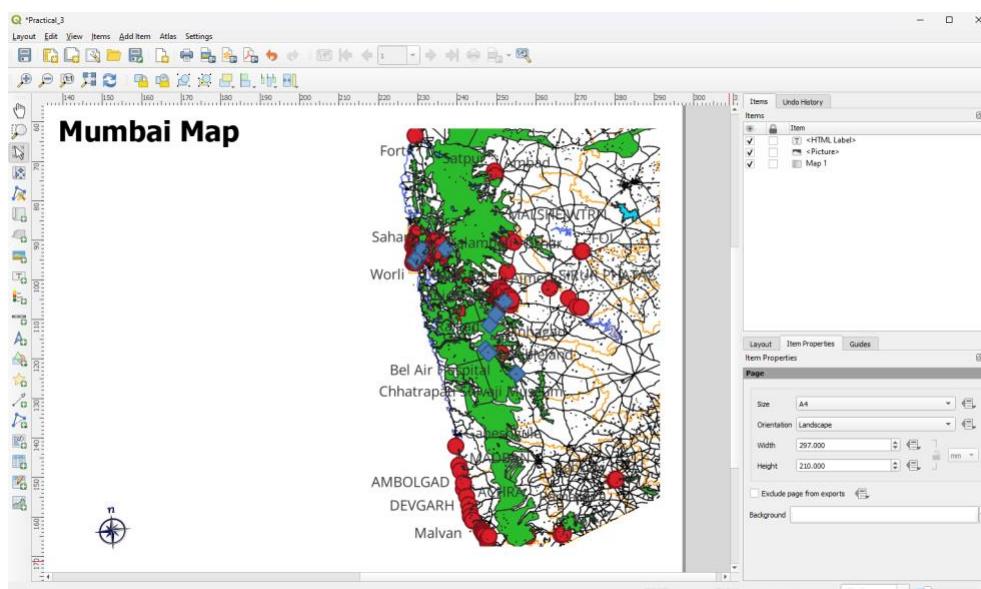


- ❖ Go to Add Item → Add Picture → Place a picture box at appropriate location.
- ❖ Also adjust Image Rotation to its appropriate value.
- ❖ Go to browser – select North_Arrow.jpg file

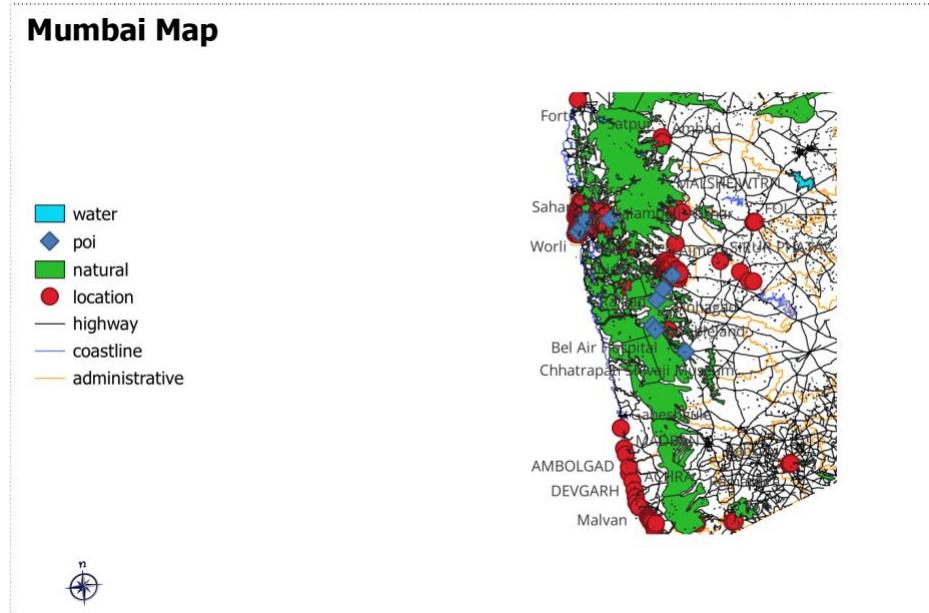




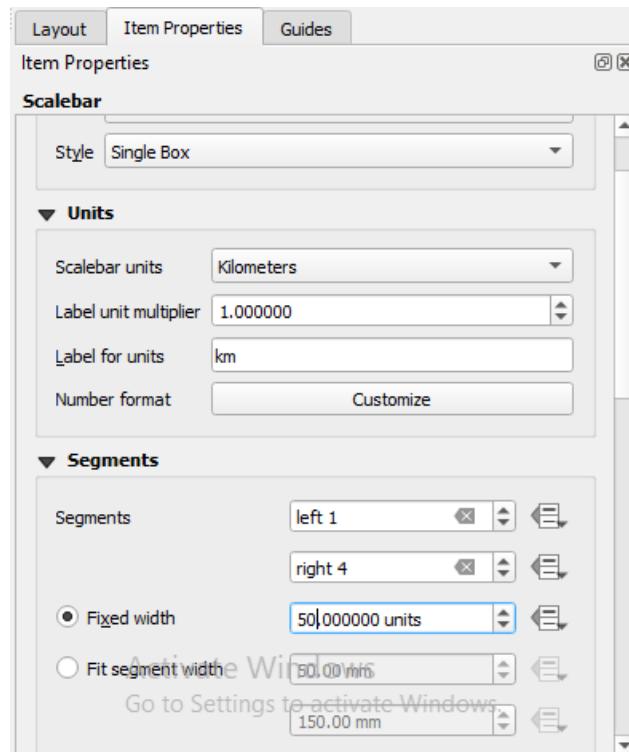
- Add Item → Add Label → Add a Label using HTML rendering
- Change the Label text To “Mumbai Map”, Set appropriate font size and color using Item Properties → Main Properties.



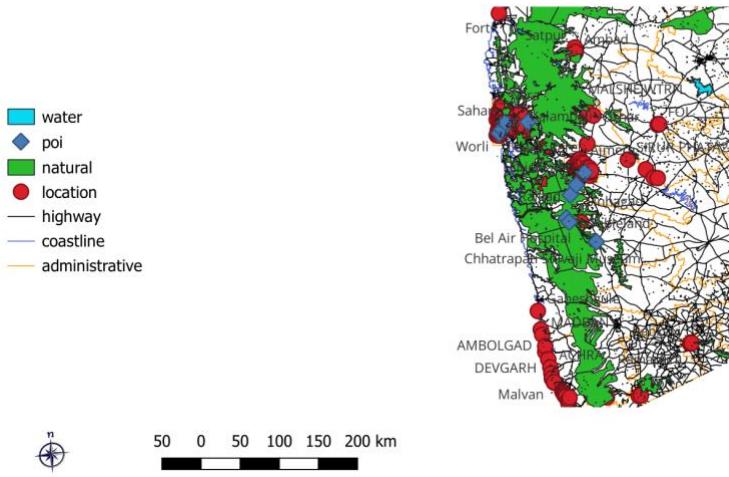
- Add Item → Add Legend → Place the legend indicator at appropriate location.
- Uncheck auto update and use suitable legend indicator label.



- ❖ Add Item → Add Scale Bar → go to item properties

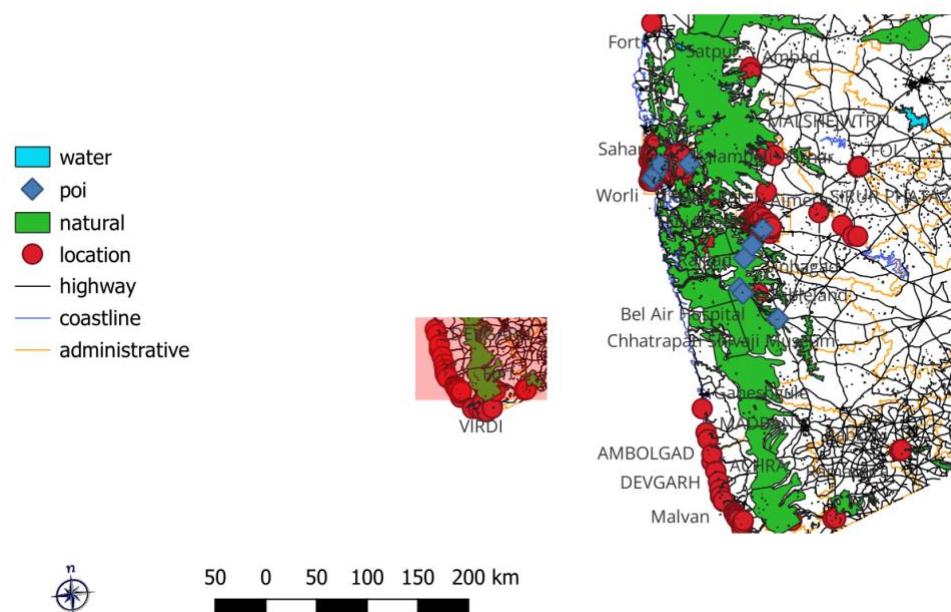


Mumbai Map

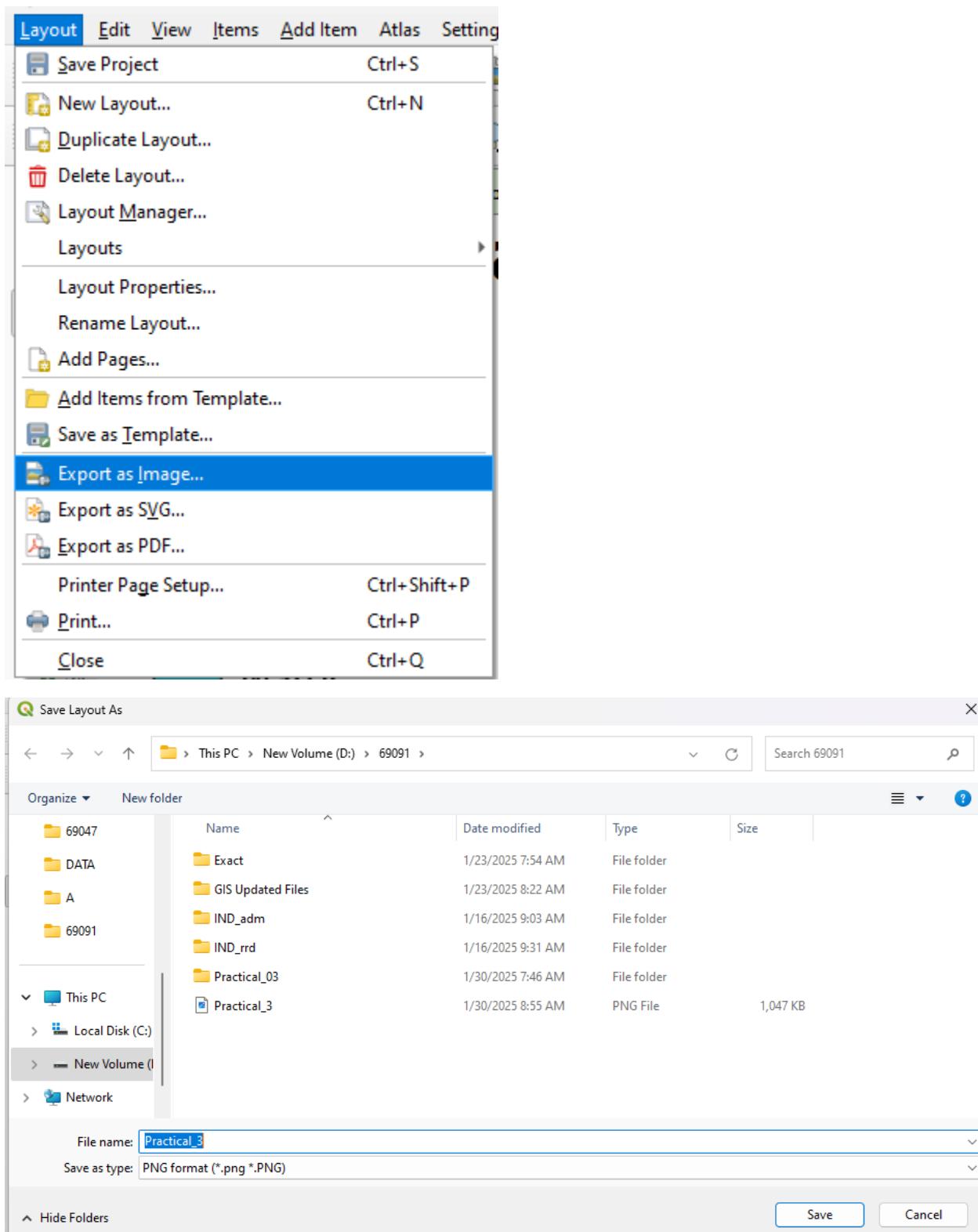


- ❖ Select Add Item → Add Map 2

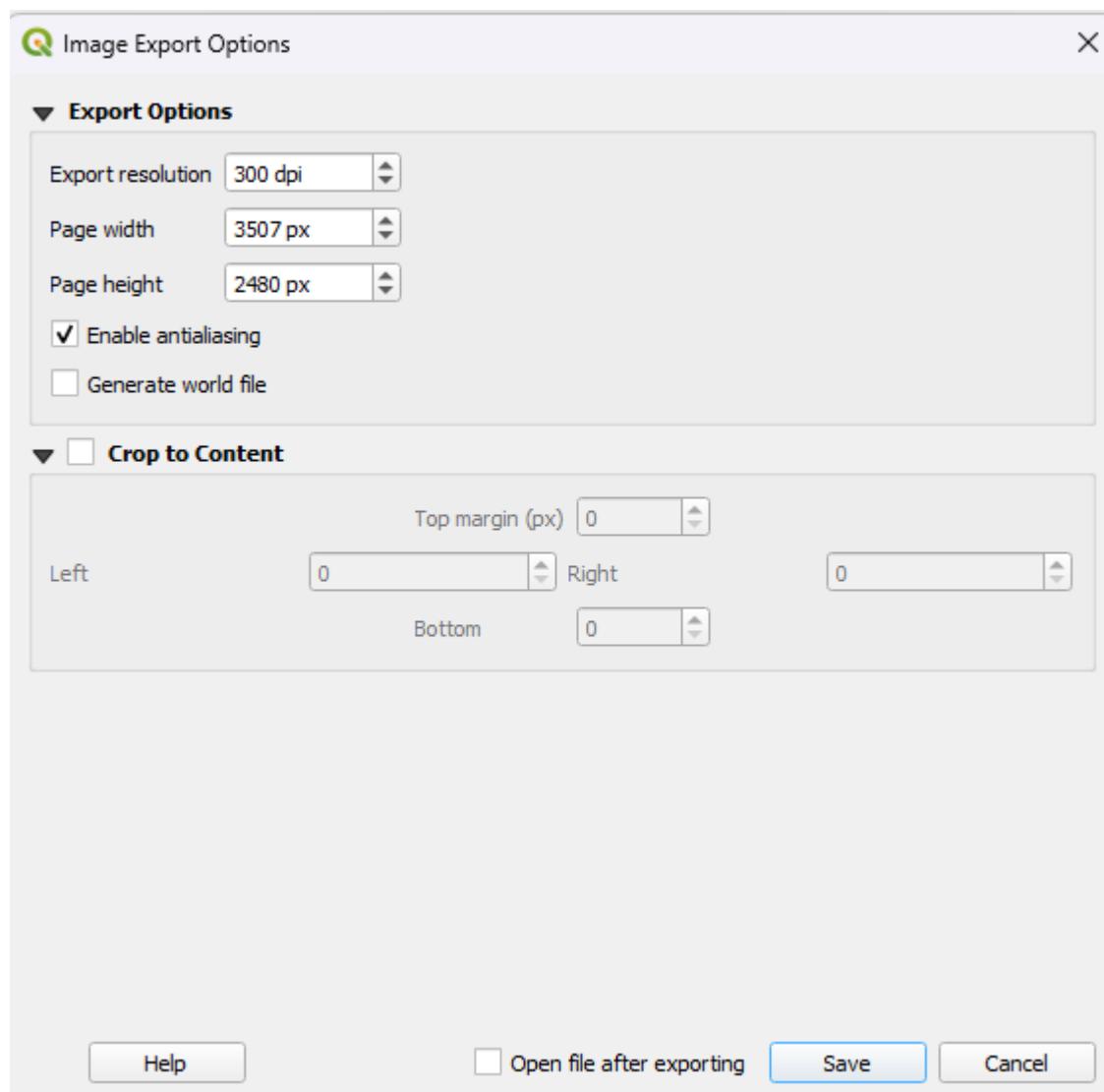
Mumbai Map



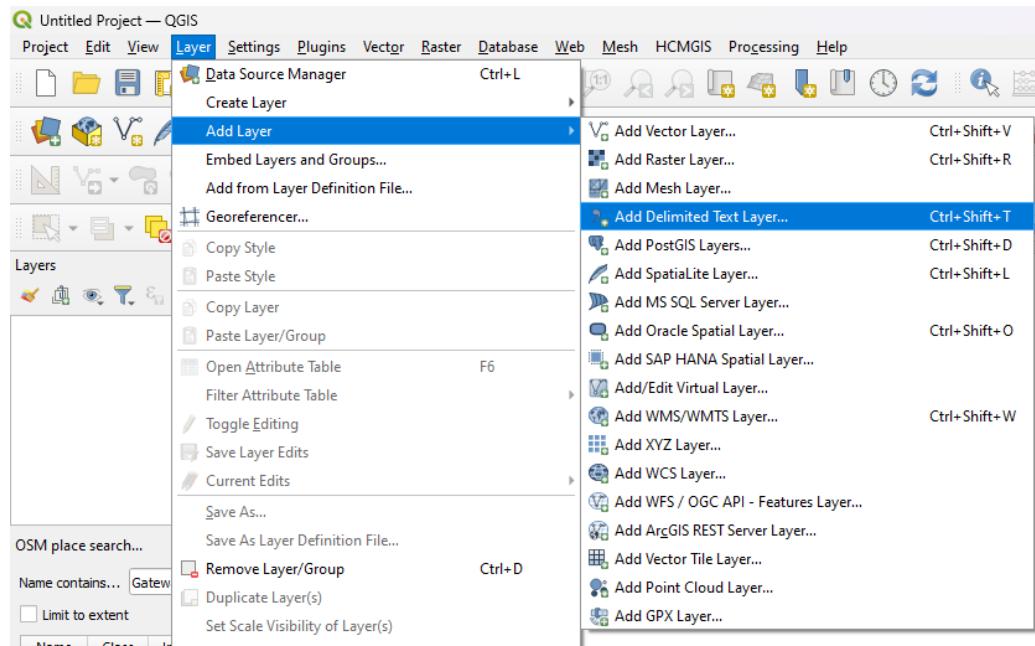
- ❖ A Map can be saved in Image or PDF using Layout → Export as Image / Export as PDF



- ❖ Save the Map to a location appropriate location as PDF or Image.

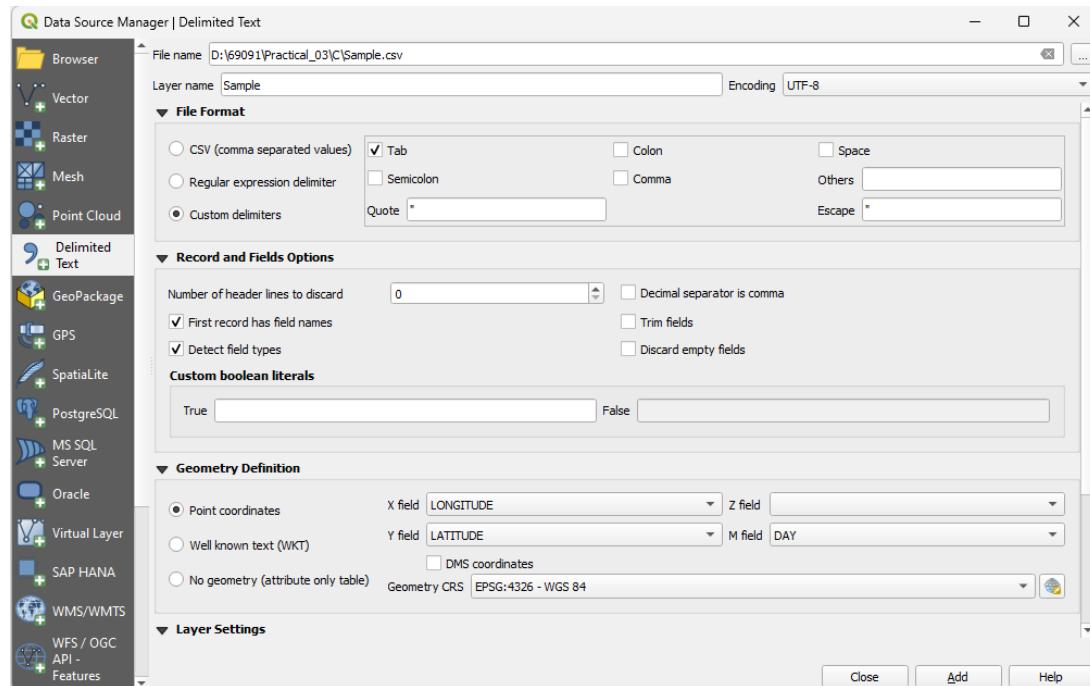


➤ Go to Layer → Add Layer → Add Delimited text Layer



➤ Data Source Manager | Delimited Text window will appear

➤ Select the |D|69091\Practicals\Practical_03\C\Sample.csv file from data folder.



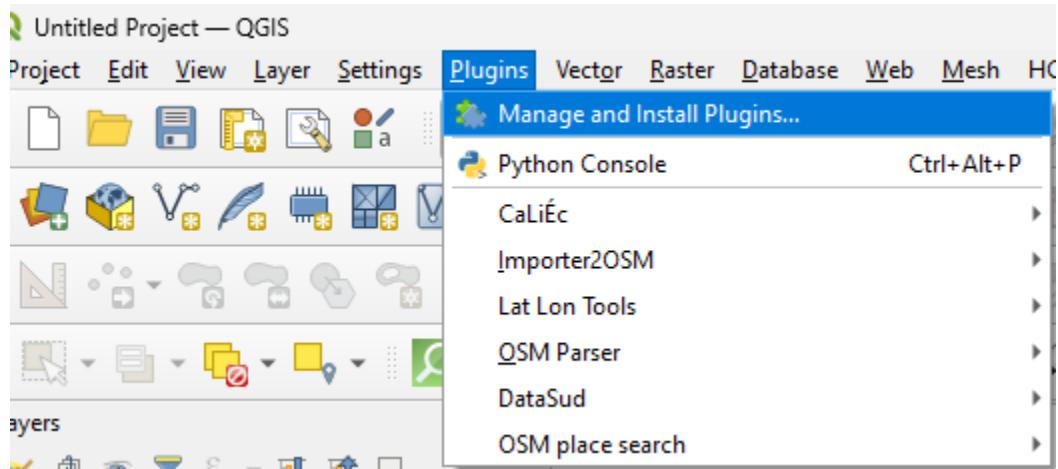
➤ Press ADD and close the window.

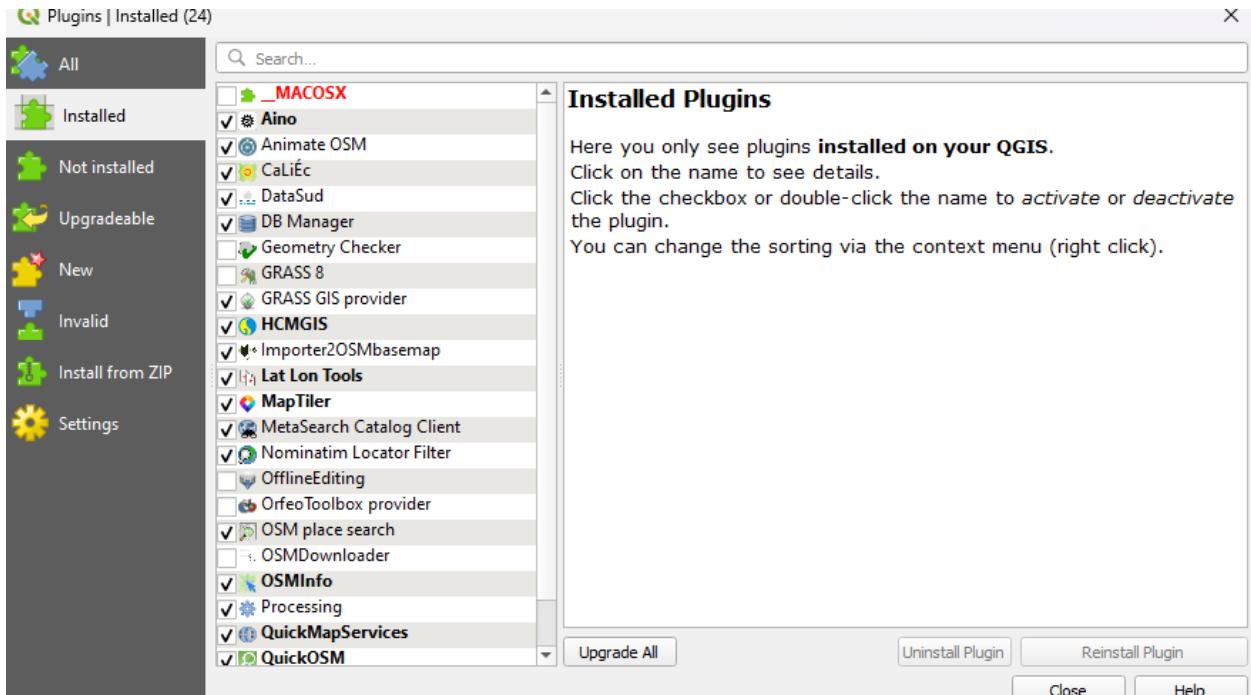
➤ Output:



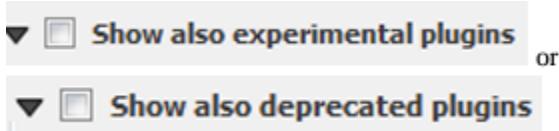
➤ Core plugins are already part of the standard QGIS installation. To use these, just enable them.

➤ Open QGIS. Click on Plugins → Manage and Install Plugins....



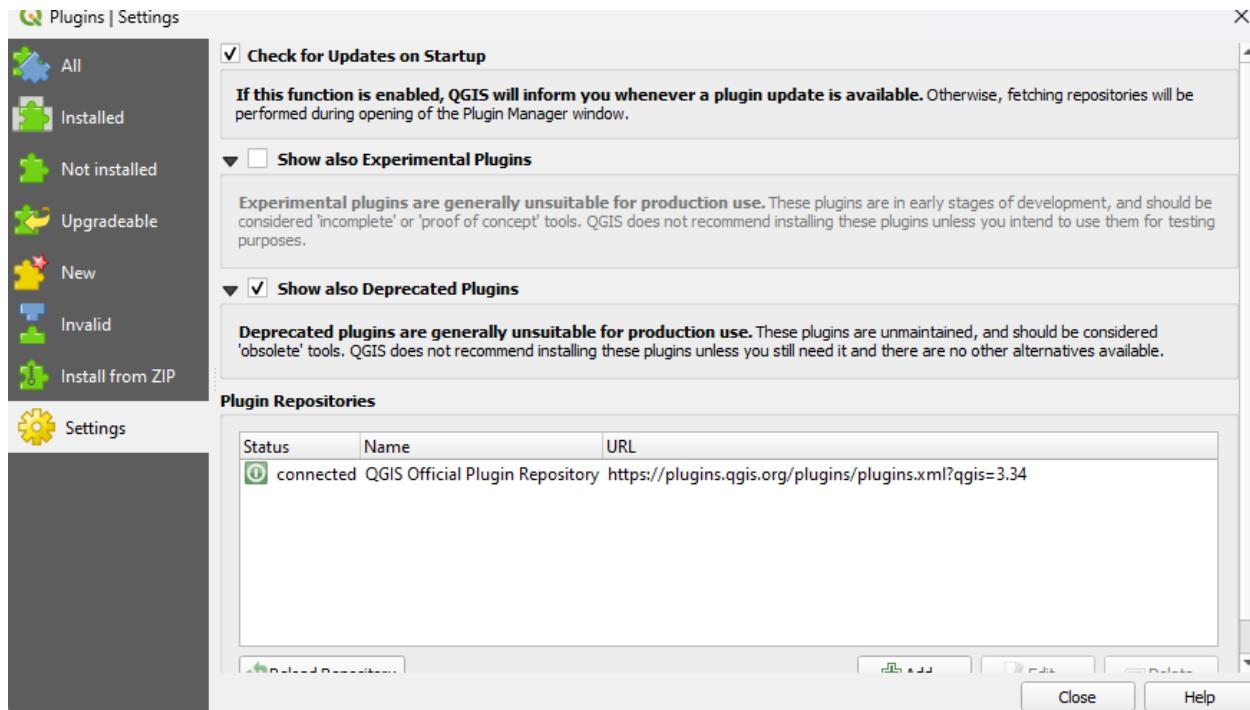


- To enable a plugin, check on the checkbox next to Plugin. This will enable the plugin to use it.
- External plugins are available in the QGIS Plugins Repository and need to be installed by the users before using them.
- Click on Not Installed or Install from ZIP.
- Once the plugin is downloaded and installed, you will see a confirmation dialog.
- Click on Plugins → <<new Plugin Name>>
- The Plugin if marked Experimental plugin can be installed, from Setting→ check on

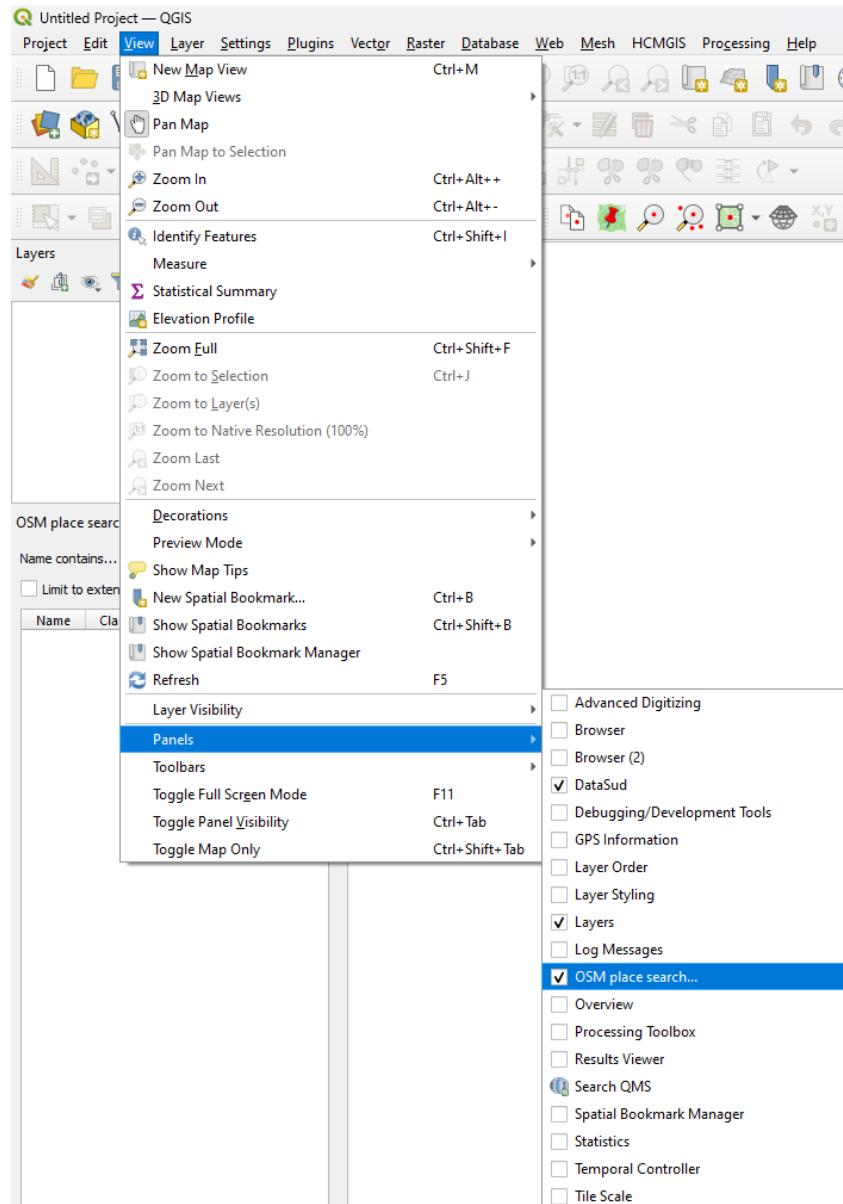


➤ A  tab will be added to Plugin Manager Window.

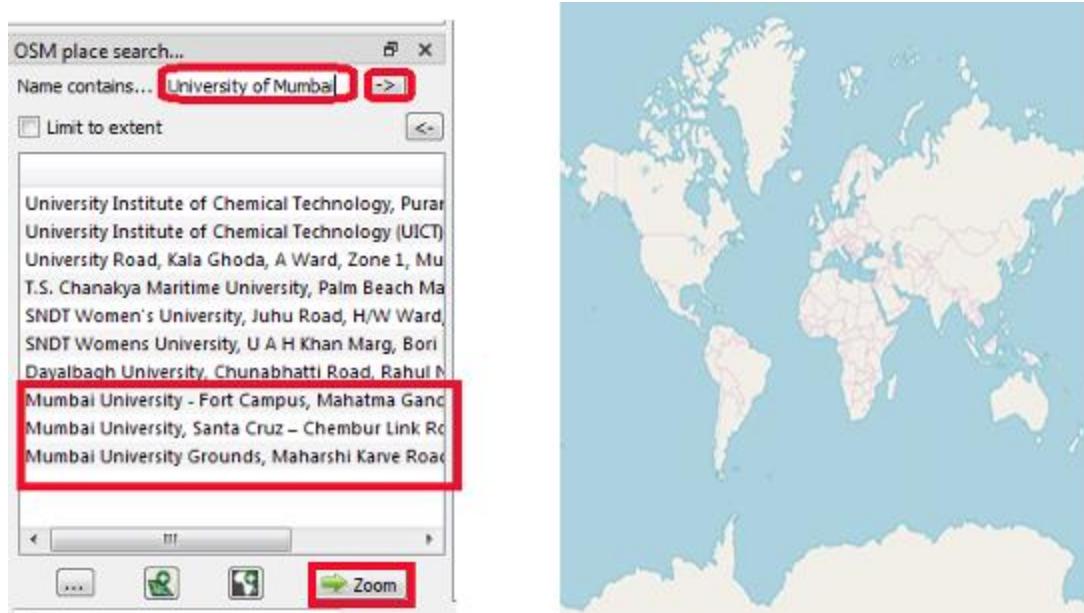
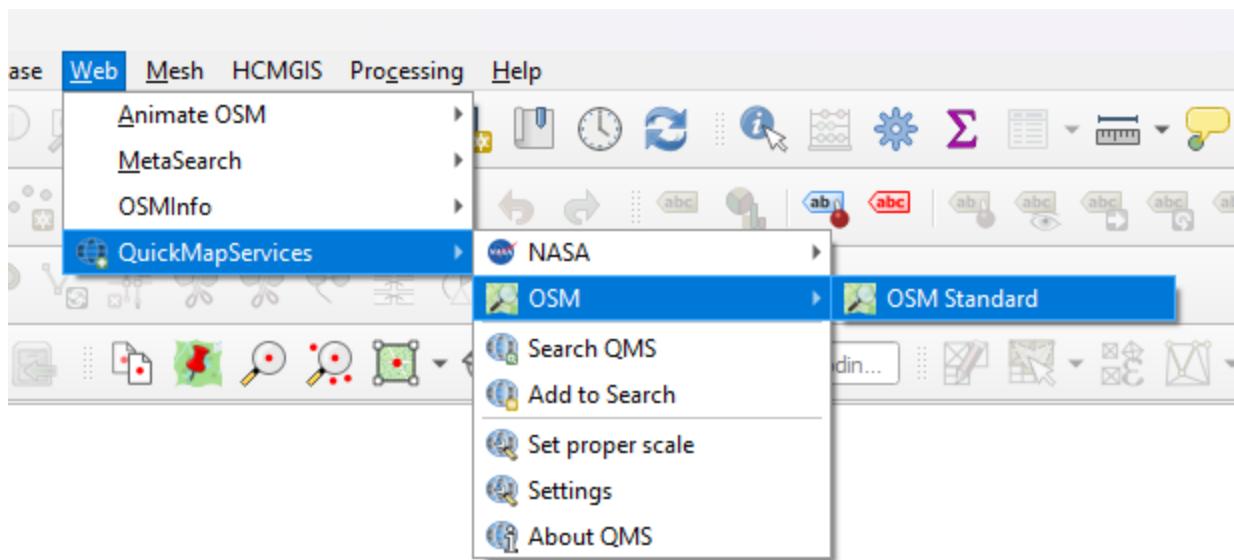
- Click on a plugin name and Click Install.



- Add “Open Layer” and “OSM Search” Plugin from Not Installed option from Plugin Manager Dialog Box.
- The OSM Place Search plugin will install itself as a Panel in QGIS, if not go to View → Panels → select OSM Place Search.



- Go to Web → OpenLayer Plugin and select Open Street Map



- In OSM Place search Pane → Enter Mumbai or any place name to search
- Double click on the desired place in OSM Place search Panel or Click and press ZOOM

