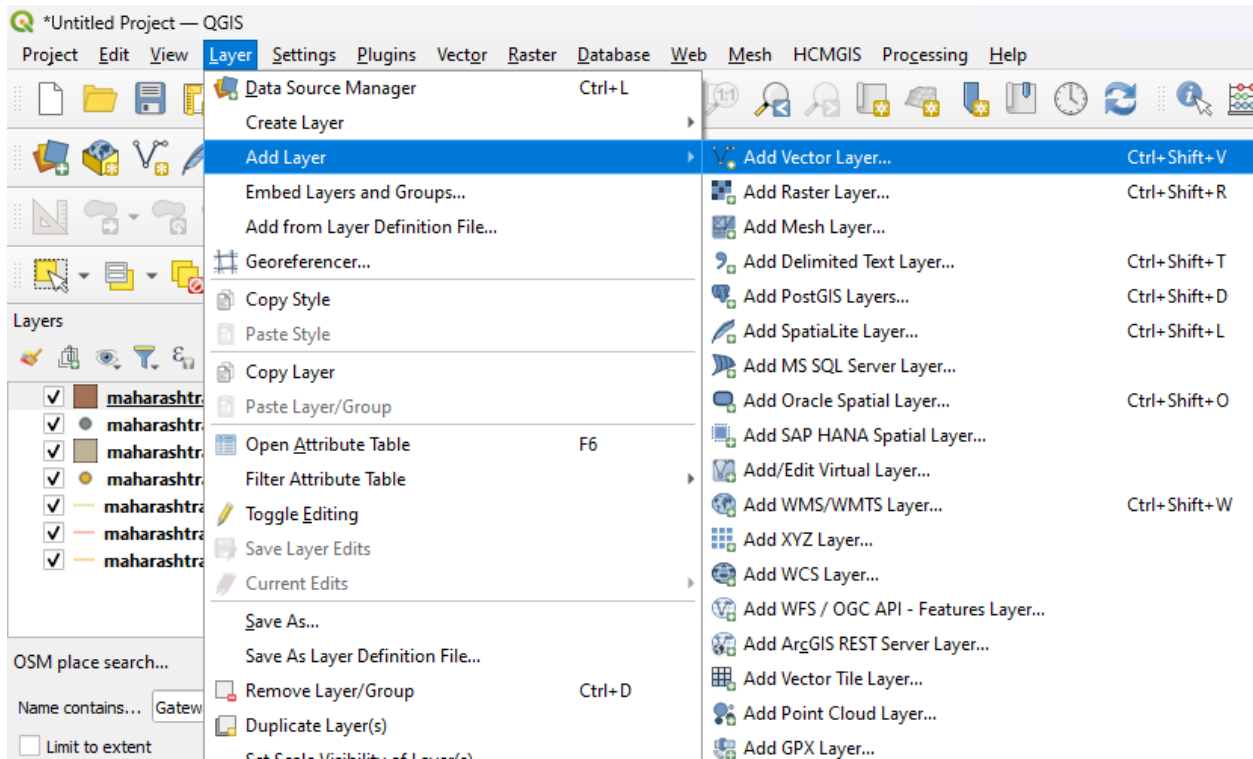
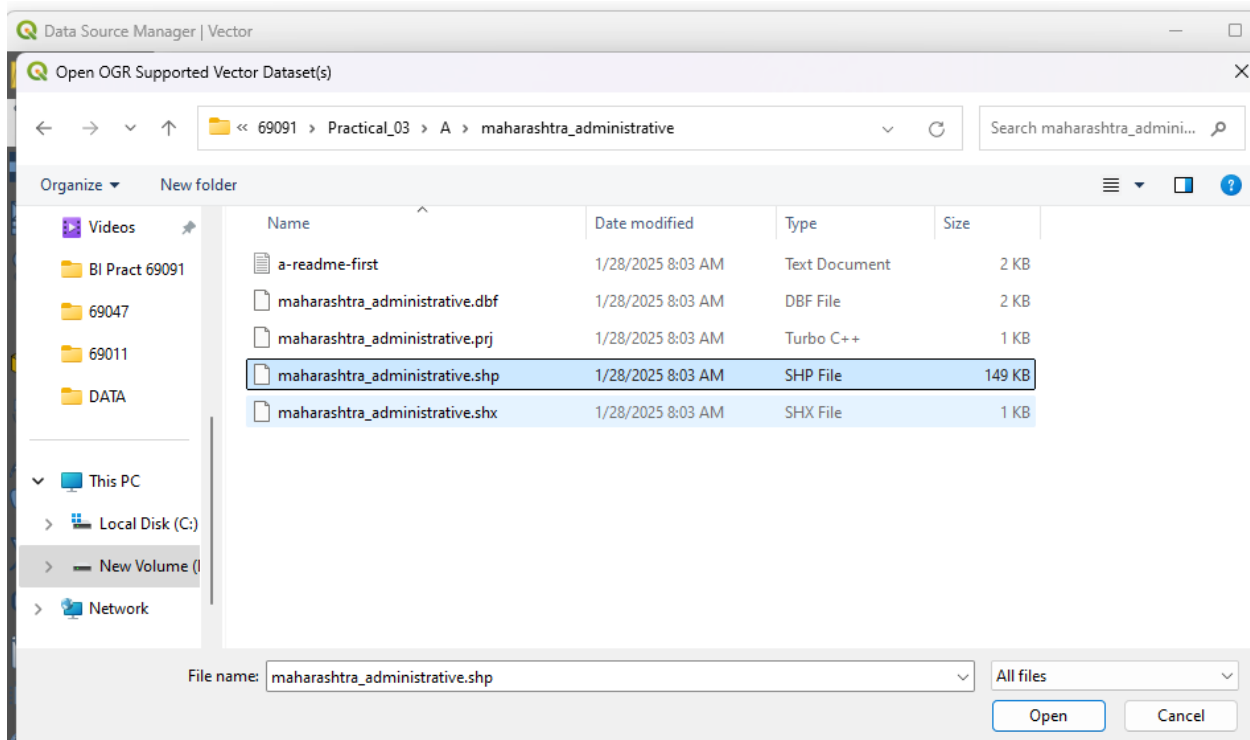


Practical no 3

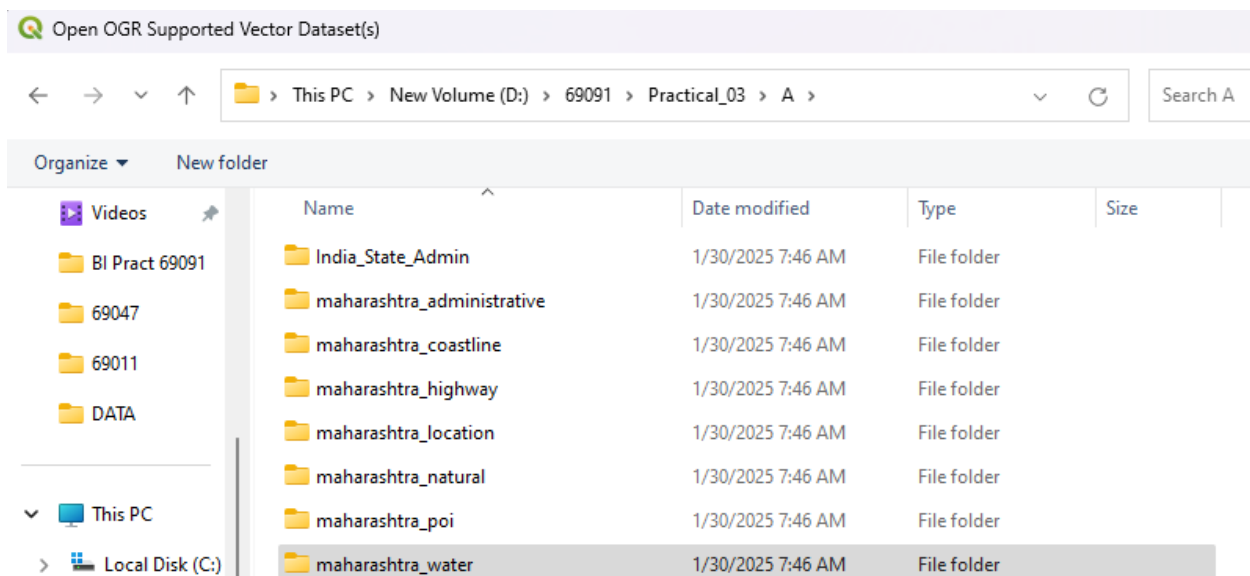
Aim: Making a map, working with attribute, Importing Spreadsheets or CSV files, Using Plugins, Searching and Downloading OpenStreetMap Data

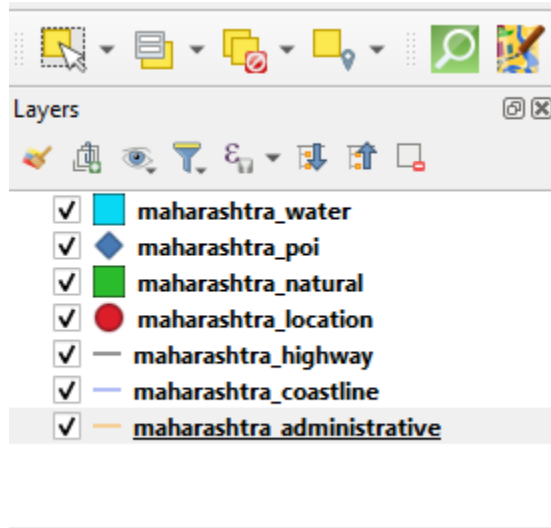
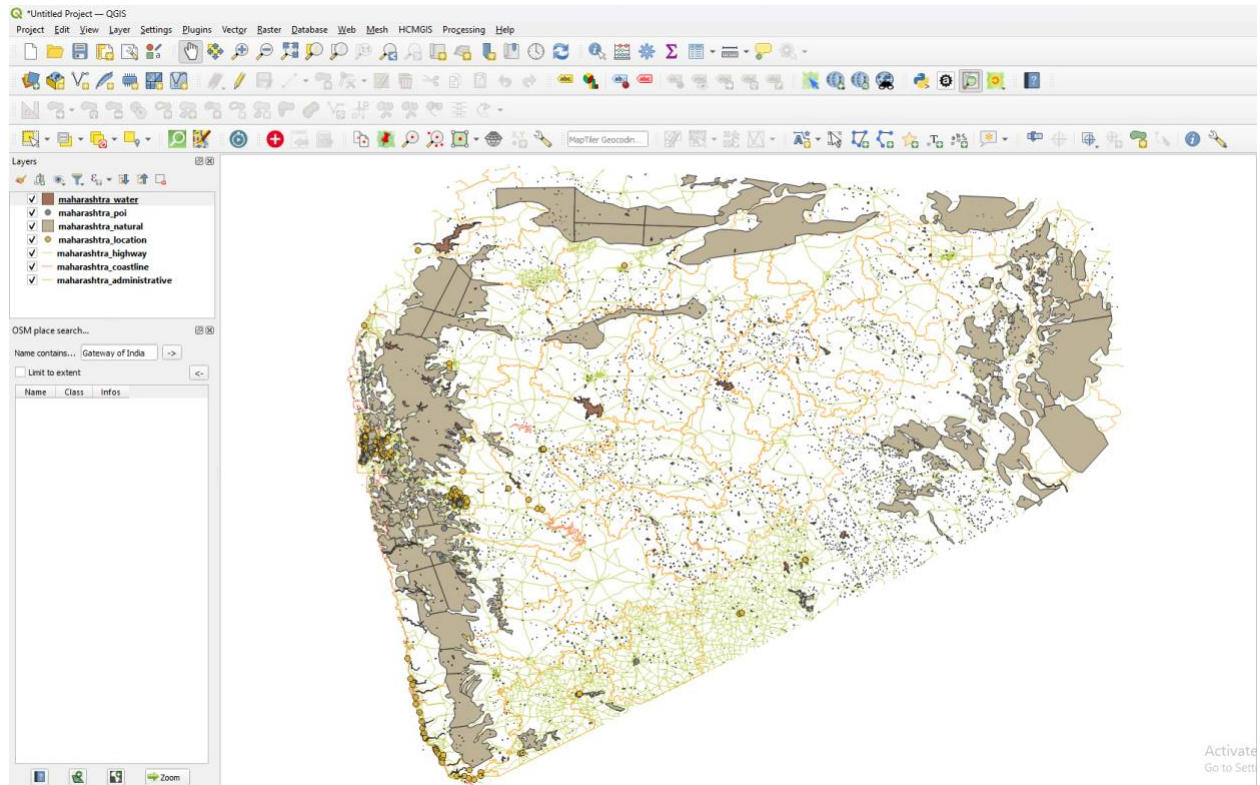
Go Layer- Add Layer – Add Vector Layer






Add – All Folder expect India_State_Admin – Add all shp files








- ❖ Click maharashtra_water – Properties – select Symbolology – change color
- ❖ Click maharashtra_water – Properties – select levels - select single level – then go to Symbolology – change color
- ❖ Repeat the step for all ToolBar


Layers


☒  maharashtra_water


☒  maharashtra_poi

☒  maharashtra_natural

☒  maharashtra_location

☒  maharashtra_highway

☒  maharashtra_coastline


☒  maharashtra_administrative


OSM place search...


Name contains... Gateway of India

☐ Limit to extent


Name	Class	Infos
------	-------	-------

 Zoom to Layer(s)

 Zoom to Selection


 Show in Overview


☐ Show Feature Count

 Show Labels


Copy Layer


Rename Layer

 Duplicate Layer

 Remove Layer...

Move to Bottom

 Open Attribute Table

 Toggle Editing

Filter...

Change Data Source...

Set Layer Scale Visibility...

Layer CRS ▶

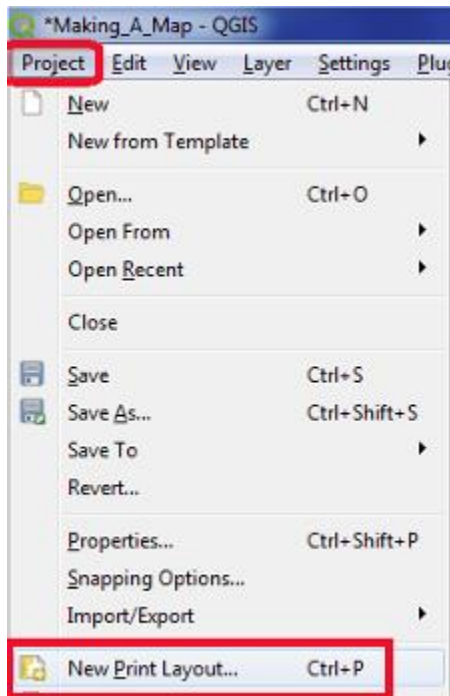
Export ▶

Styles ▶

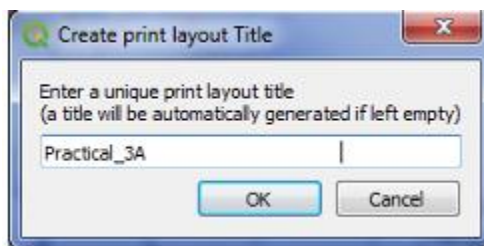
Add Layer Notes...

Properties...

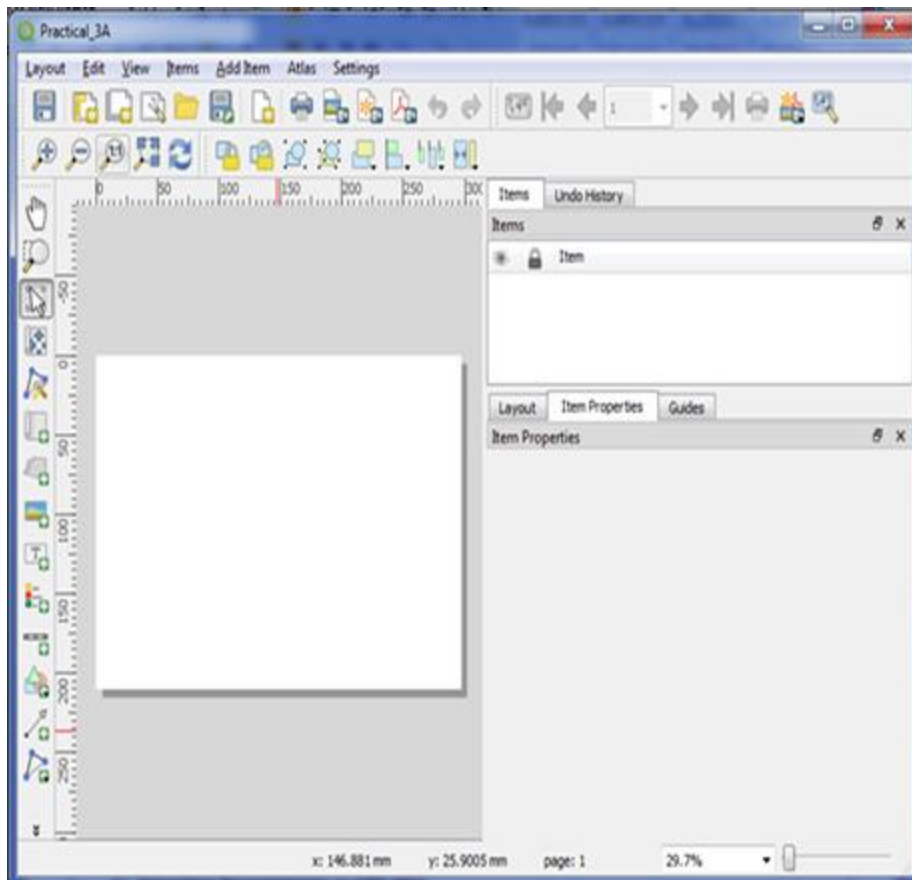
➤ Go to Project → New PrintLayout



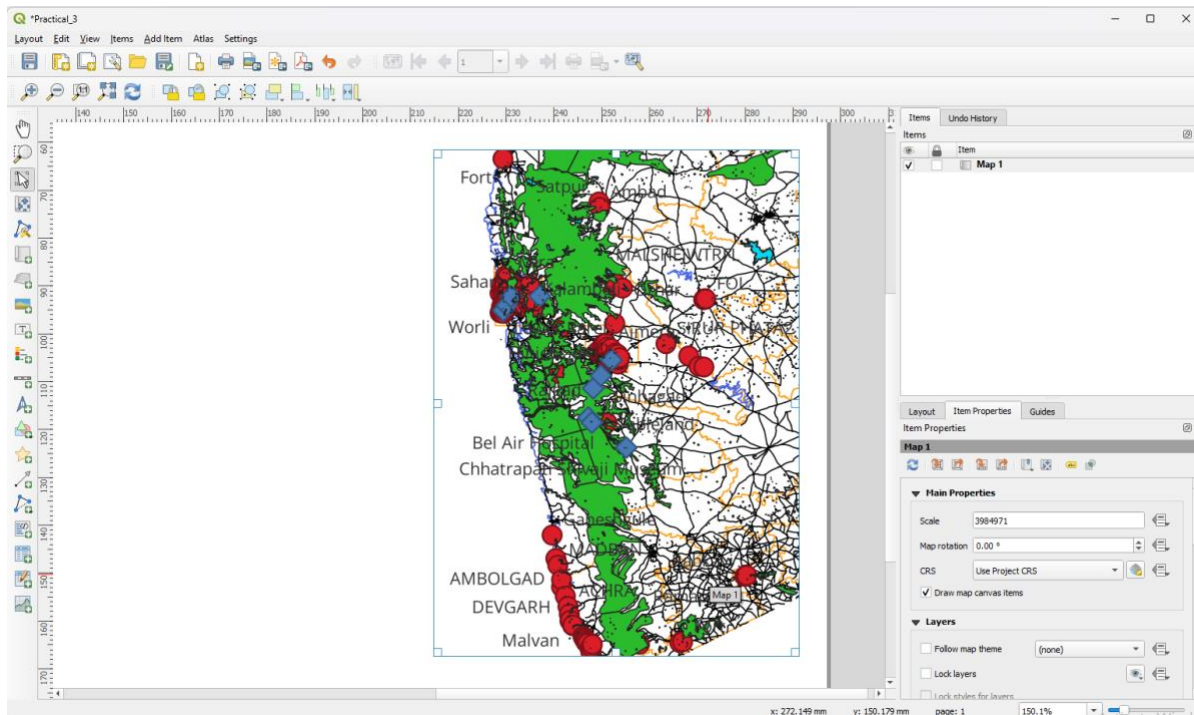
➤ Insert a suitable title and press “OK”.



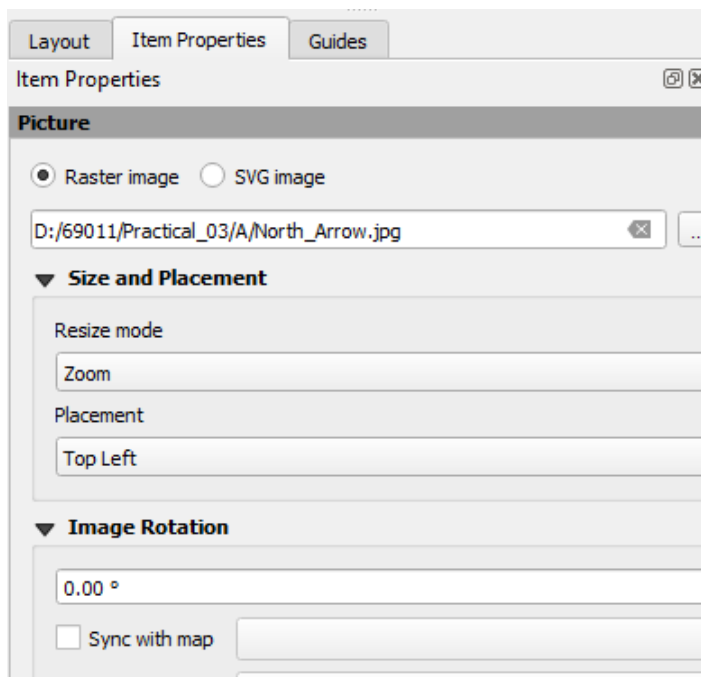
➤ A new Print Layout window will open

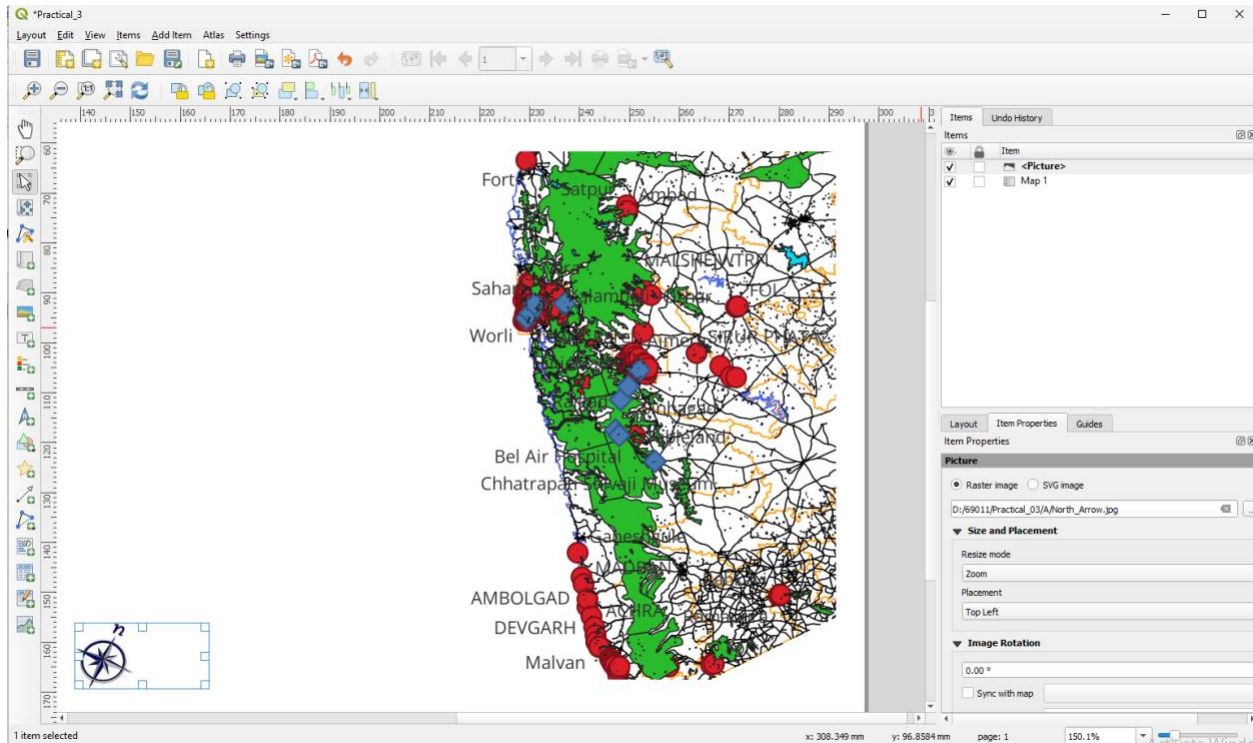


❖ Select Add Item → Add Map



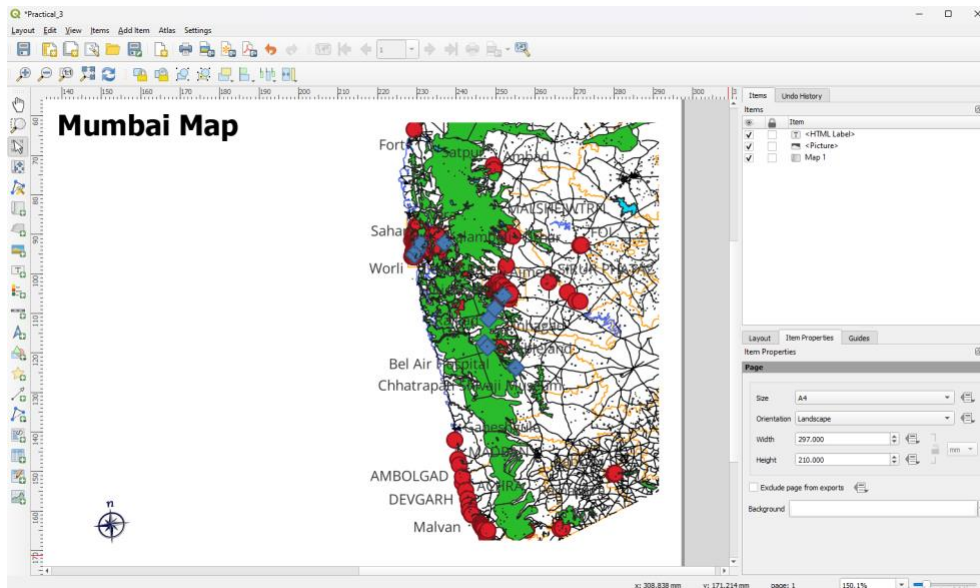
- ❖ Go to Add Item → Add Picture → Place a picture box at appropriate location.
- ❖ Also adjust Image Rotation to its appropriate value.
- ❖ Go to browser – select North_Arrow.jpg file



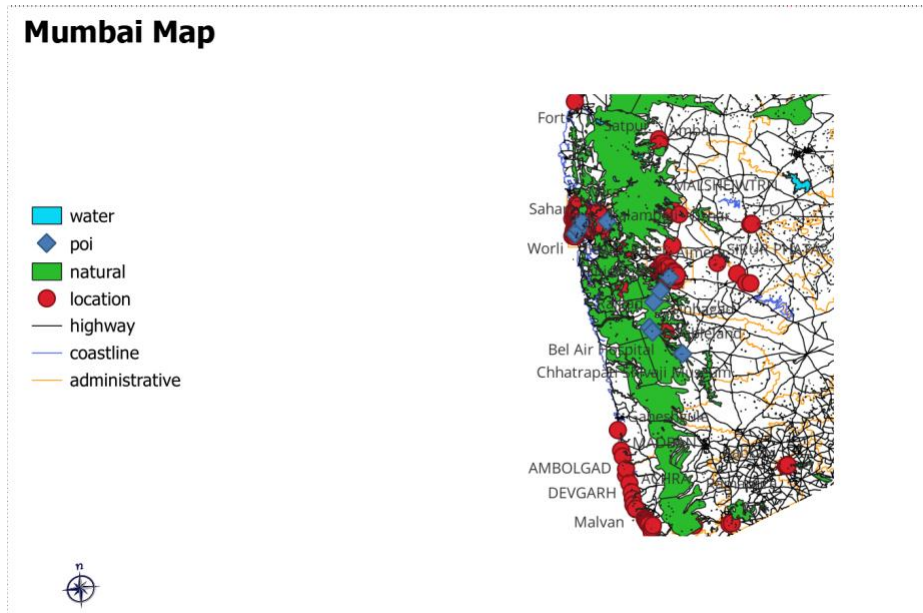


➤ Add Item → Add Label→Add a Label using HTML rendering

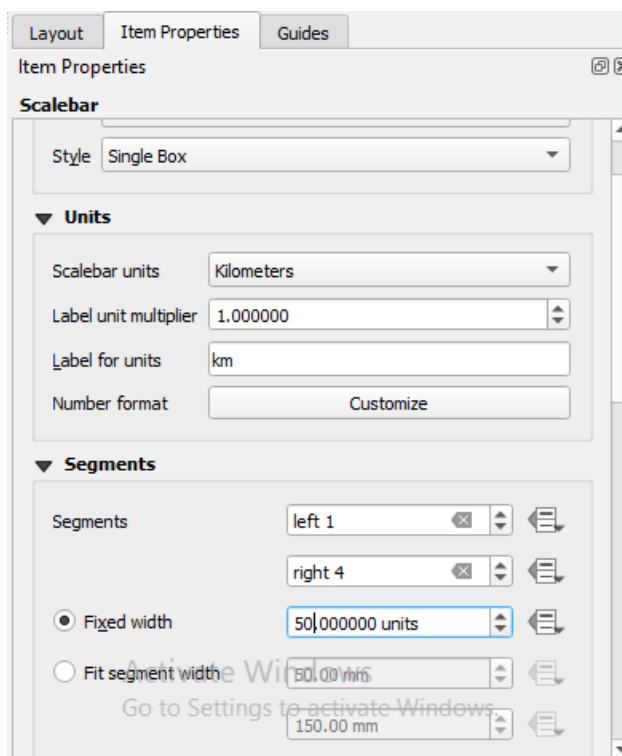
➤ Change the Label text To “Mumbai Map”, Set appropriate font size and color using Item Properties→ Main Properties.



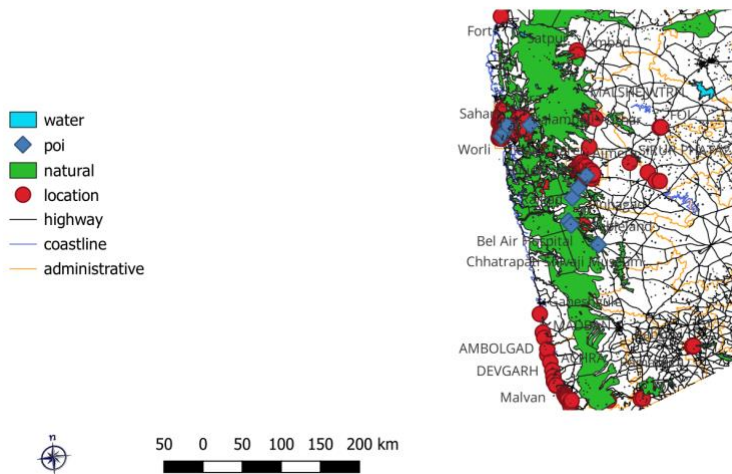
- Add Item → Add Legend → Place the legend indicator at appropriate location.
- Uncheck auto update and use suitable legend indicator label.



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

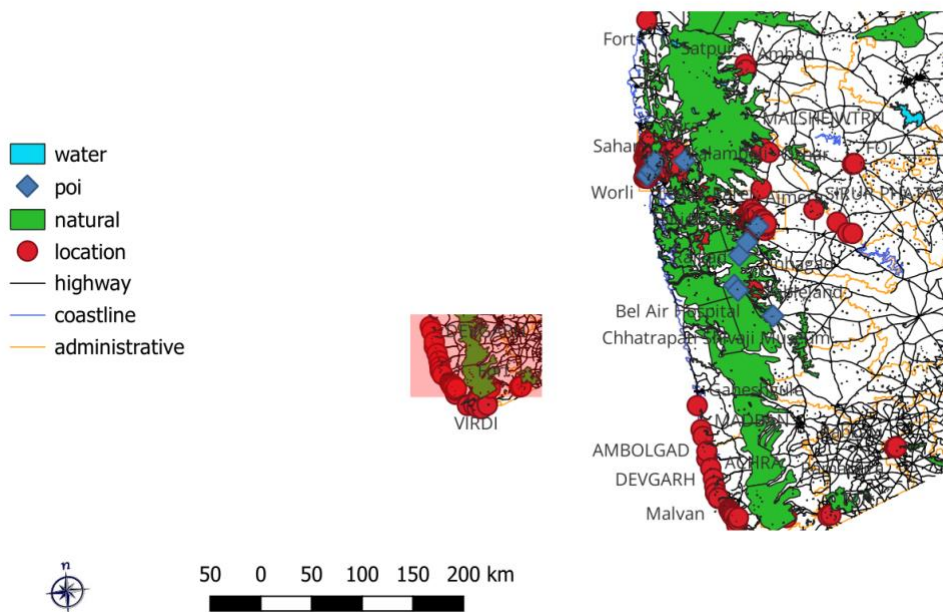


Mumbai Map

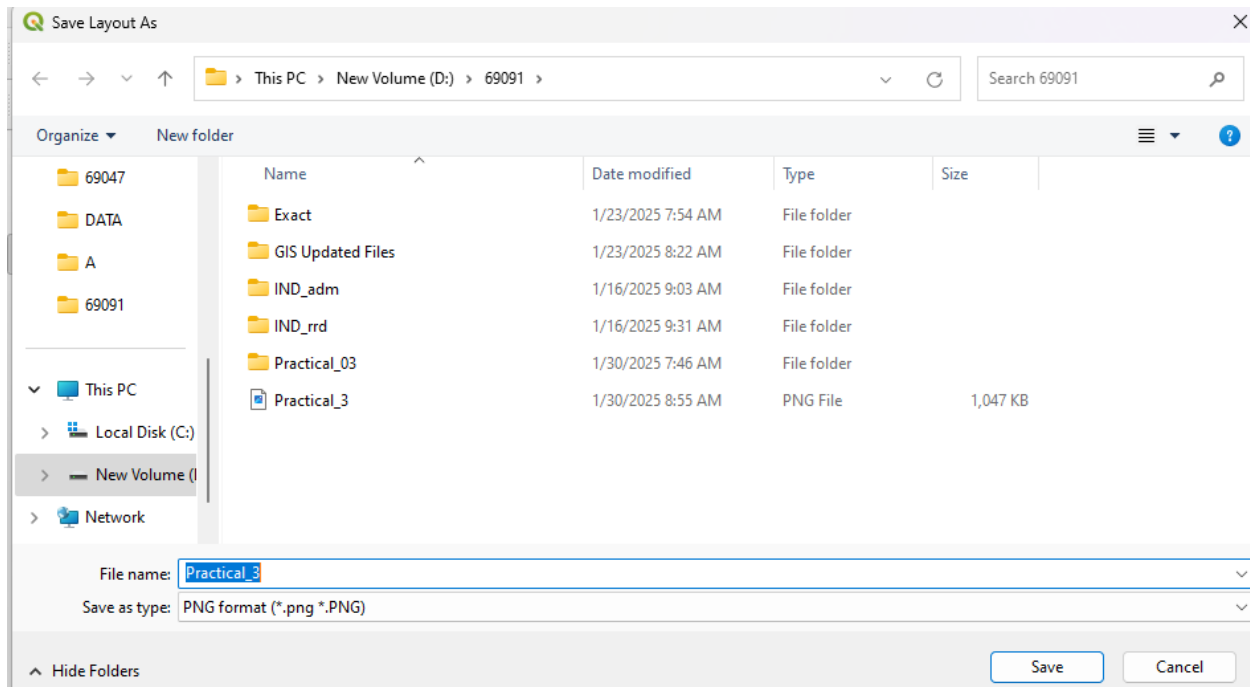
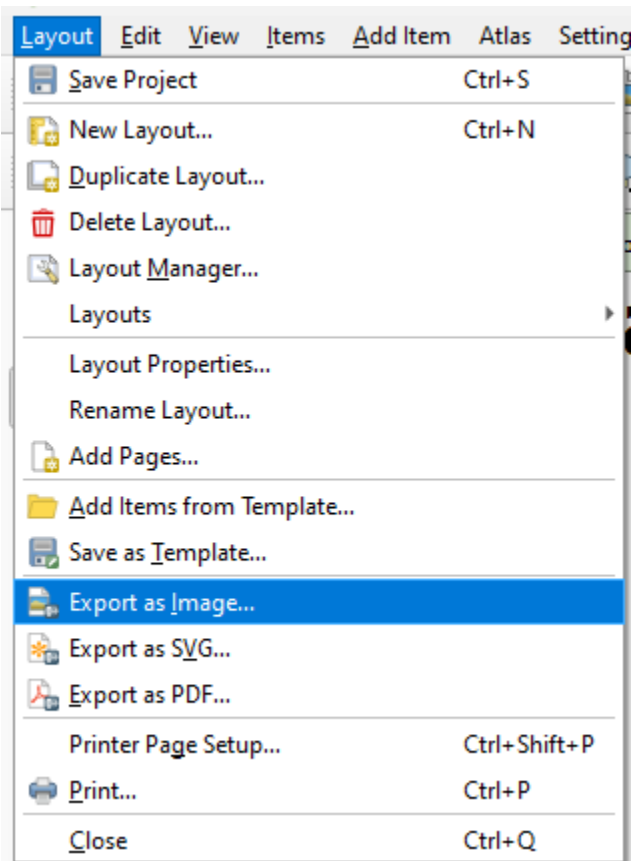


❖ Select Add Item → Add Map 2

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.

Image Export Options

▼ **Export Options**

Export resolution: 300 dpi

Page width: 3507 px

Page height: 2480 px

☒ Enable antialiasing

☐ Generate world file

▼ ☐ **Crop to Content**

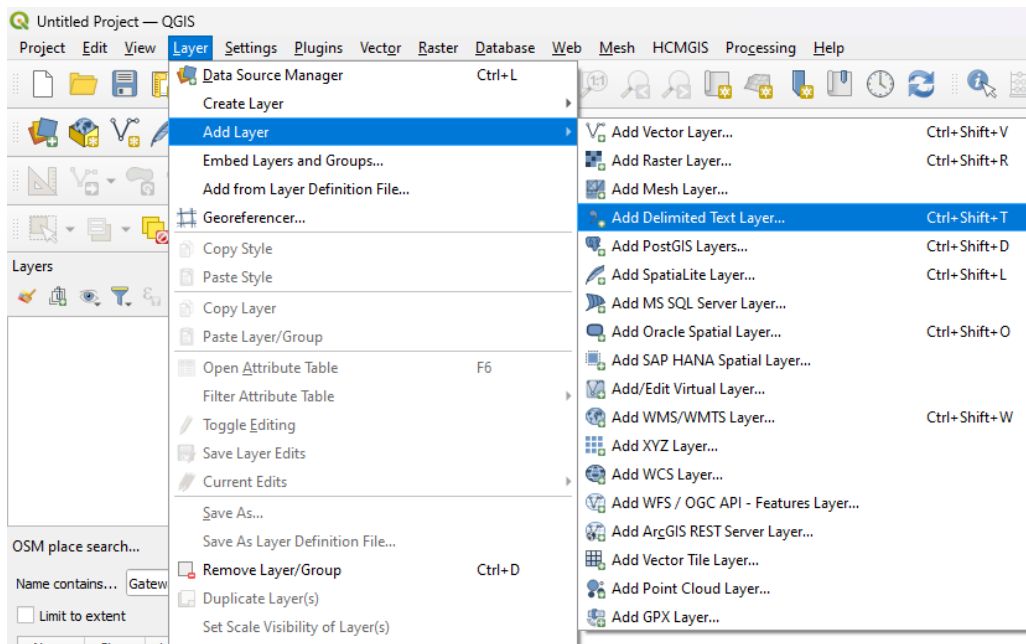
Top margin (px): 0

Left: 0 Right: 0

Bottom: 0

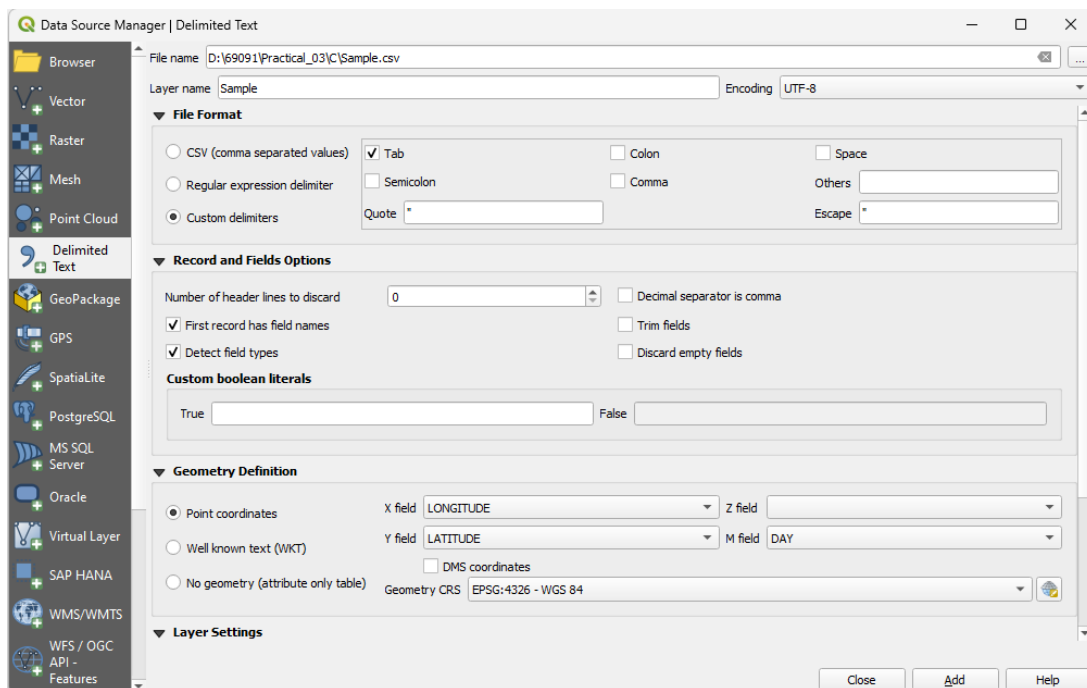
Help ☐ Open file after exporting **Save** Cancel

➤ 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.



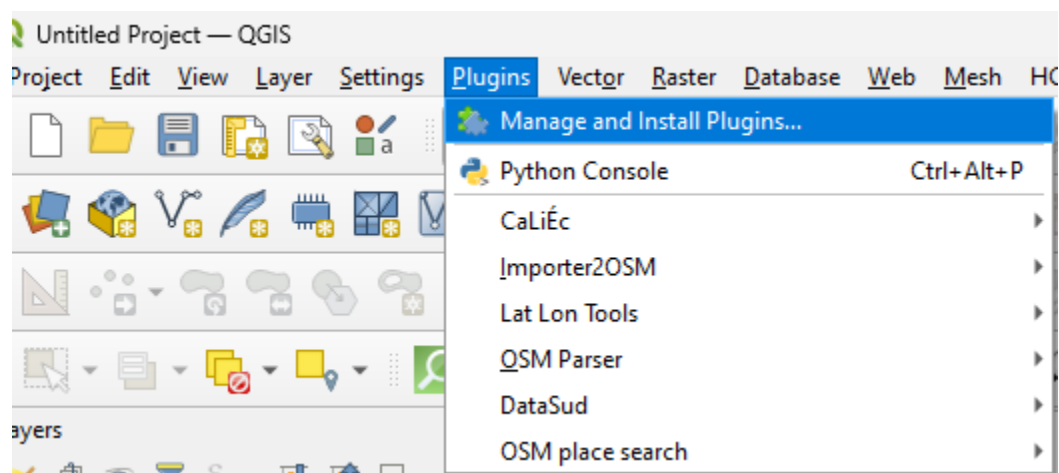
➤ Press ADD and close the window.

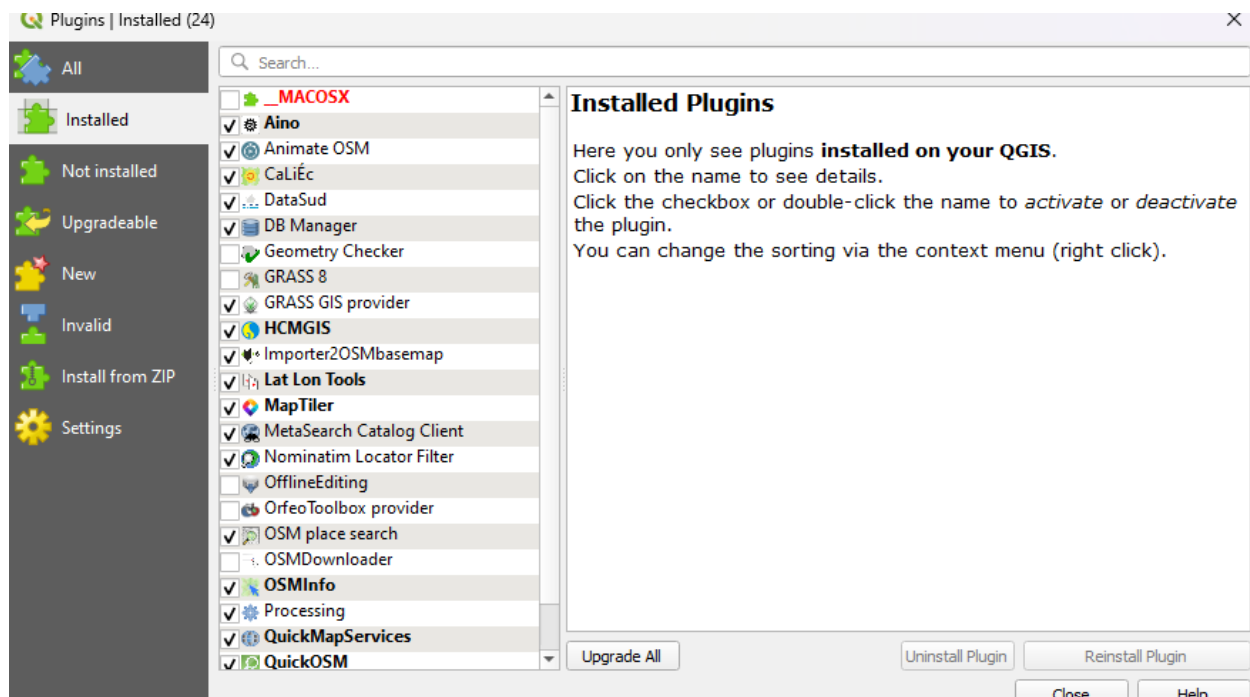
➤ Output:



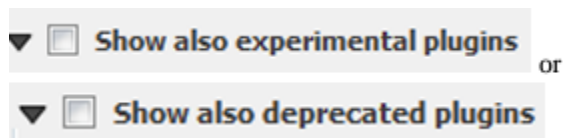
➤ Core plugins are already part of the standard QGIS installation. To use these, just enable them.

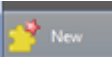
➤ Open QGIS. Click on Plugins → Manage and Install Plugins....

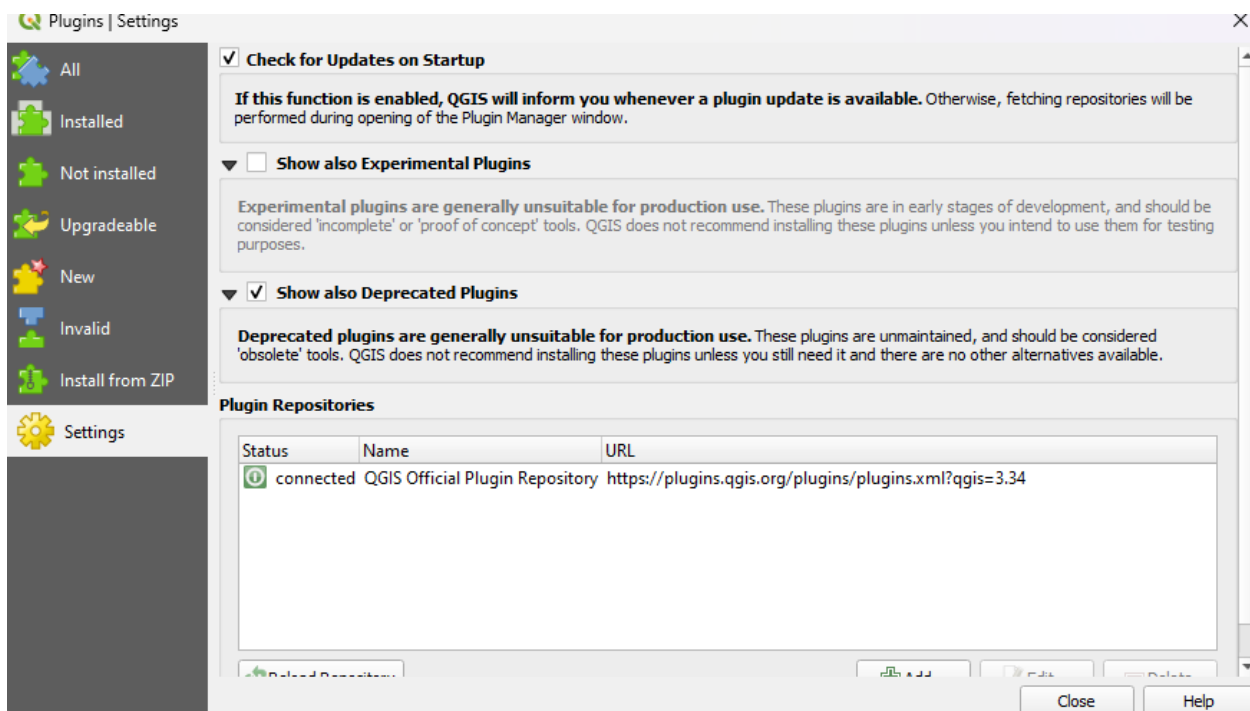




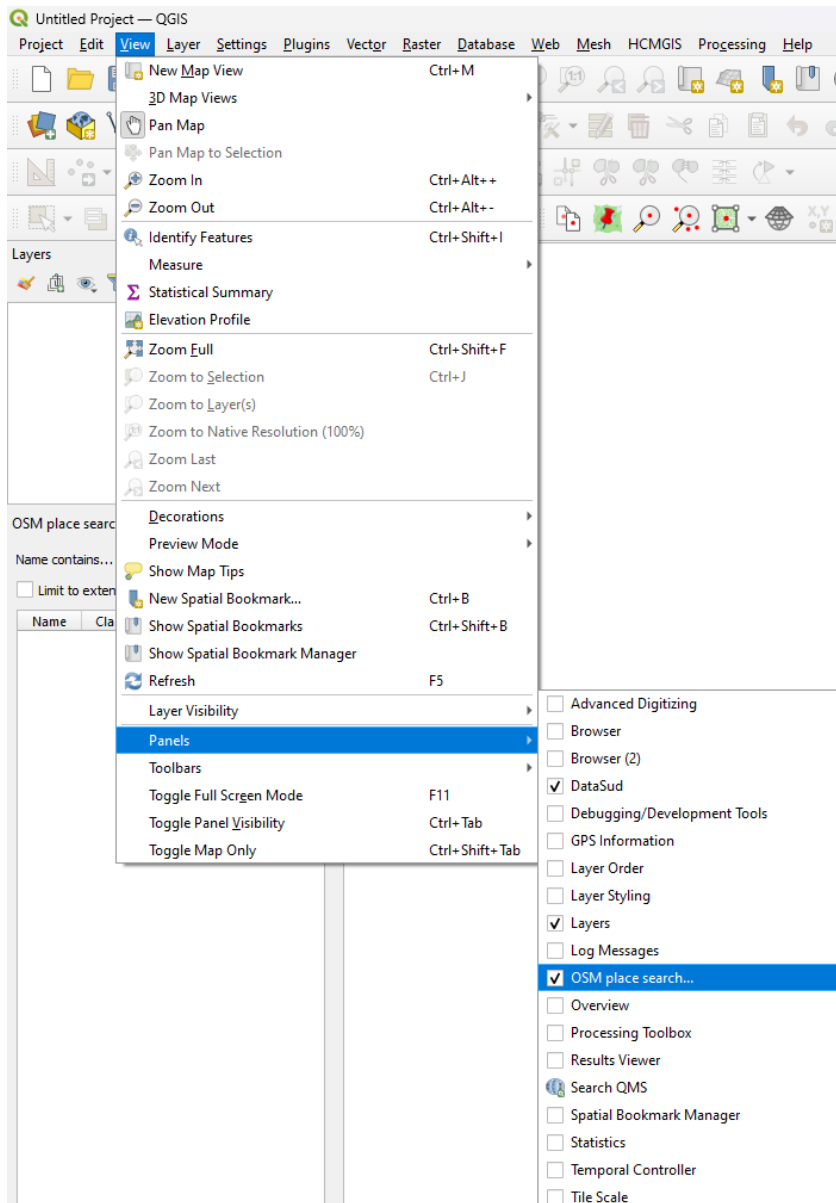
- To enable a plugin, check on the checkbox next to Plugin. This will enable the plugin to use it.
- External plugins are available in the QGIS Plugins Repository and need to be installed by the users before using them.
- Click on Not Installed or Install from ZIP.
- Once the plugin is downloaded and 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



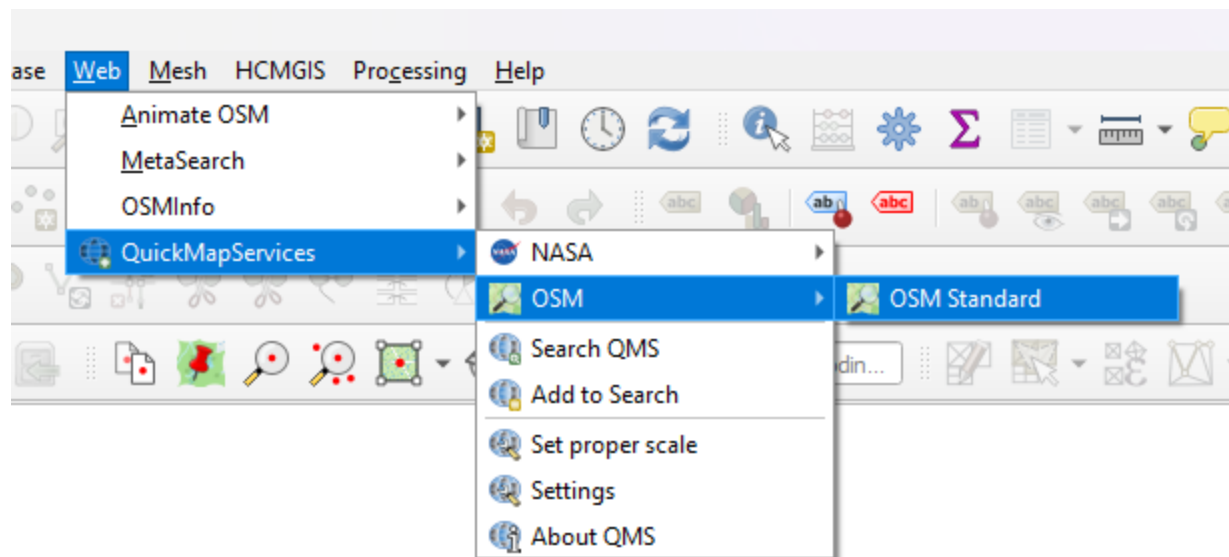
- A  tab will be added to Plugin Manager Window.
- Click on a plugin name and Click Install.



➤ 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

