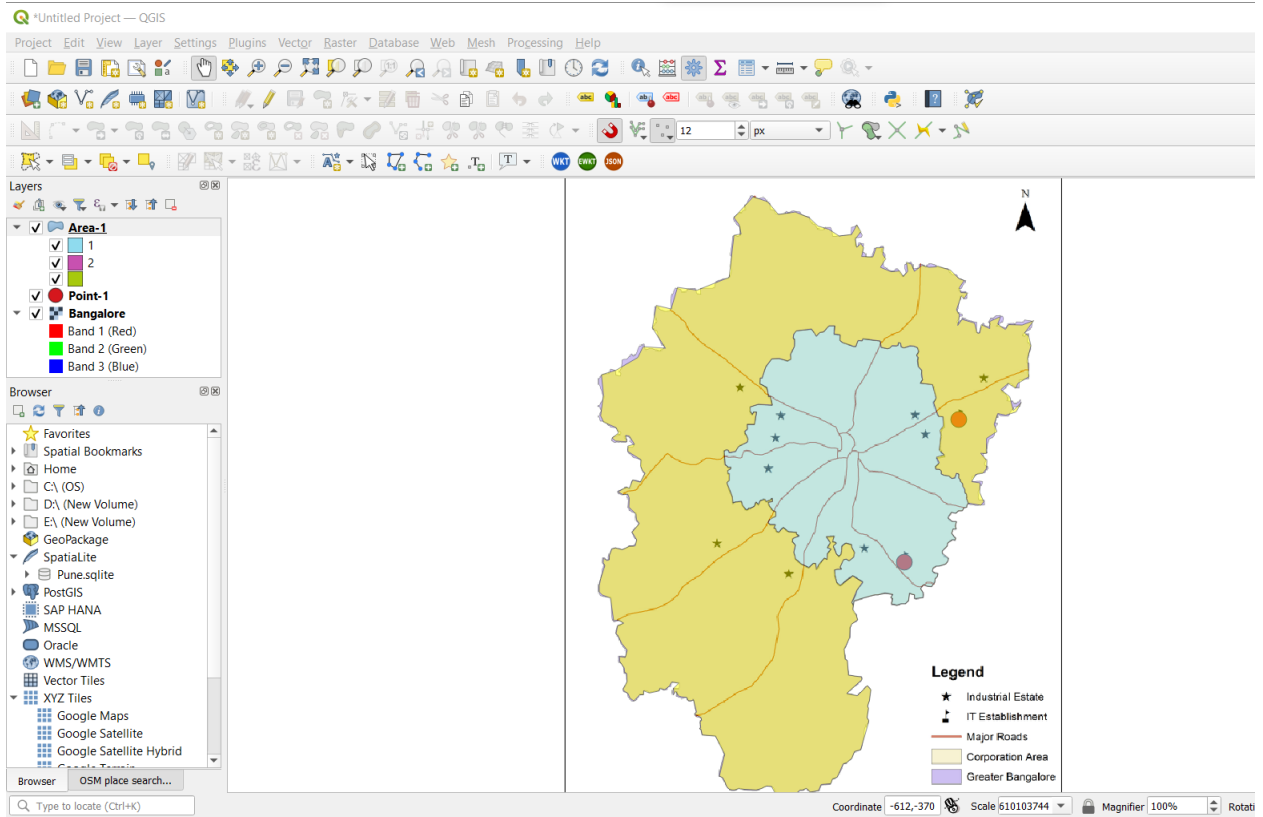


Tutorial 3



Tutorial 4

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

Layers

- lulc:KA_LULC50K_0506
 - Builtup,Urban
 - Builtup,Rural
 - Builtup,Mining
 - Agriculture,Crop land
 - Agriculture,Plantation
 - Agriculture,Fallow
 - Forest,Evergreen / Semi evergre
 - Forest,Deciduous

Browser

- DA (New Volume)
- EA (New Volume)
- GeoPackage
- SpatiaLite
 - Pune.sqlite
- PostGIS
 - SAP HANA
 - MSSQL
 - Oracle
- WMS/WMTS
- Vector Tiles
- XYZ Tiles
 - Google Maps
 - Google Satellite
 - Google Satellite Hybrid
 - Google Terrain
 - OpenStreetMap
- WCS
- WFS / OGC API - Features
- ArcGIS REST Servers

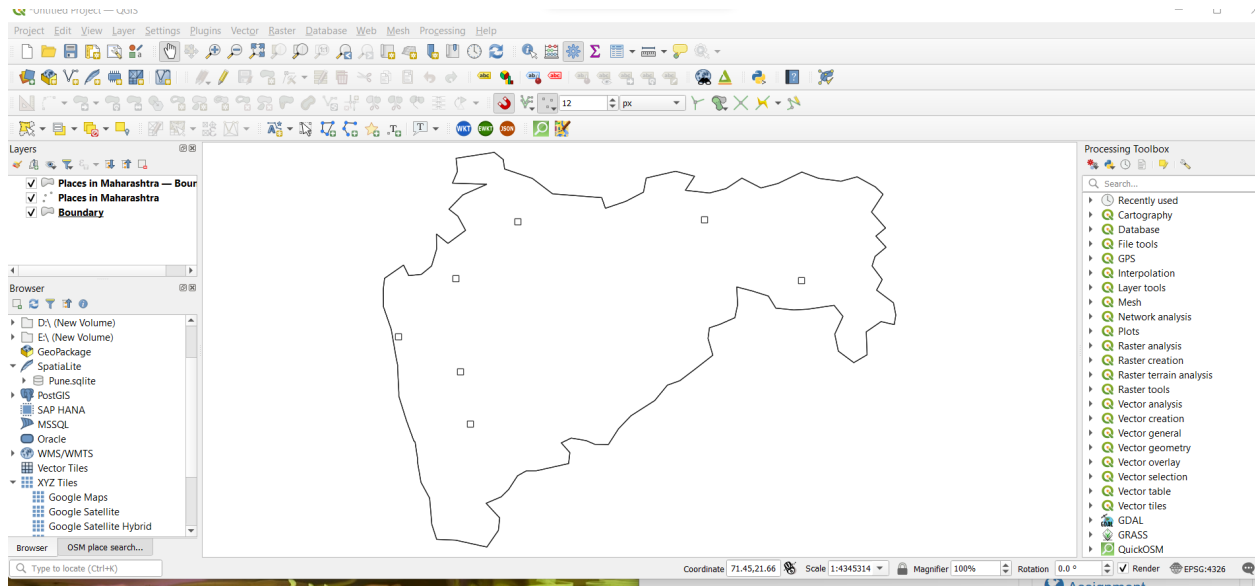
Browser OSM place search...

Tutorial 8

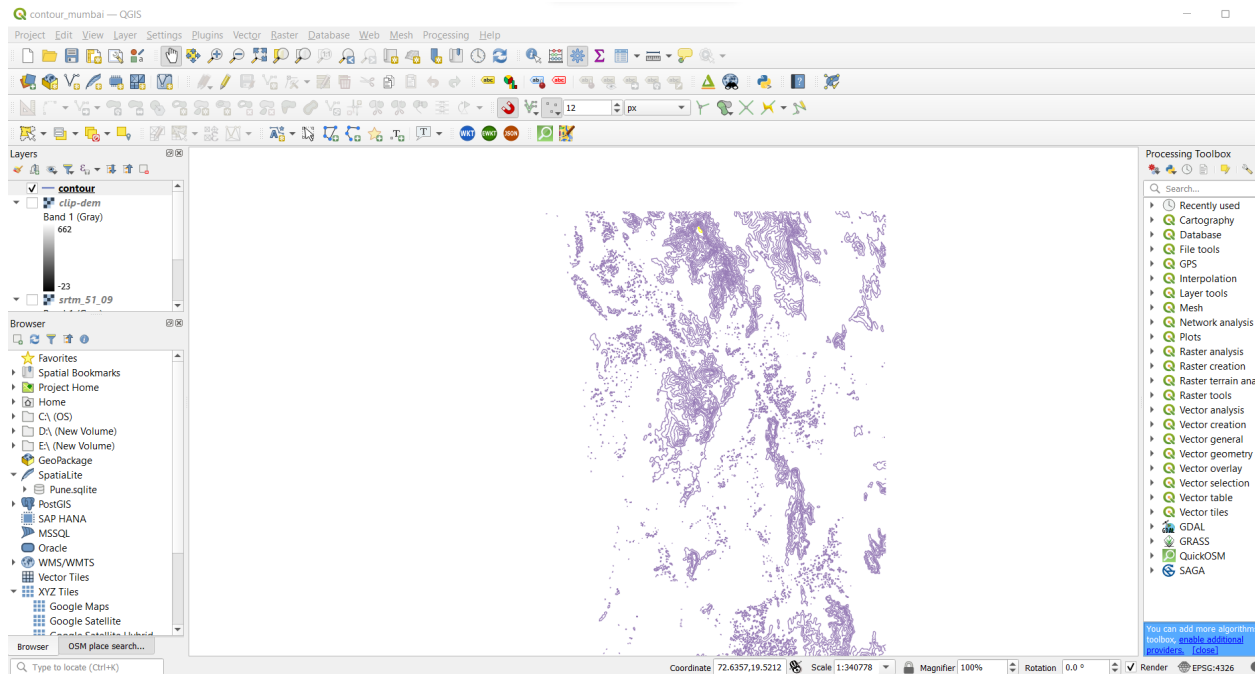
*tut_plugin — QGIS

The screenshot displays the QGIS interface with the Qgis2threejs Exporter dialog box open. The dialog box has a menu bar (File, Scene, View, Window, Help) and a Layers panel on the left. The Layers panel shows a tree view with 'DEM' expanded, containing 'Flat Plane' (checked) and 'map (canvas)'. Below this, 'Point' is expanded to show 'Line' and 'Polygon', with 'roof:shape_dome_roof...' (checked) under 'Polygon'. 'Point Cloud' is also listed. The 'Animation' section has 'Camera Motion' (checked), 'roof:shape_dome_roof.shap...' (checked), and 'Flat Plane' (checked). The 'Loop' checkbox is unchecked. The main area of the dialog shows a 3D perspective view of a city with orange dome-shaped buildings. The background QGIS window shows a 2D map of the same area with red markers. The bottom status bar shows coordinates (72.98490, 19.18365), scale (1:18868), and projection (EPSG:4326). A blue tooltip at the bottom right says: 'You can add more algorithms to the toolbox, [enable additional providers](#). [close]'. The right edge of the image has a vertical list of terms: 'used', 'phy', 'tion', 'ols', 'analysis', 'ation', 'rain anal', 'ols', 'alysis', 'ation', 'eneral', 'ometry', 'erlay', 'lection', 'ble', 'es'.

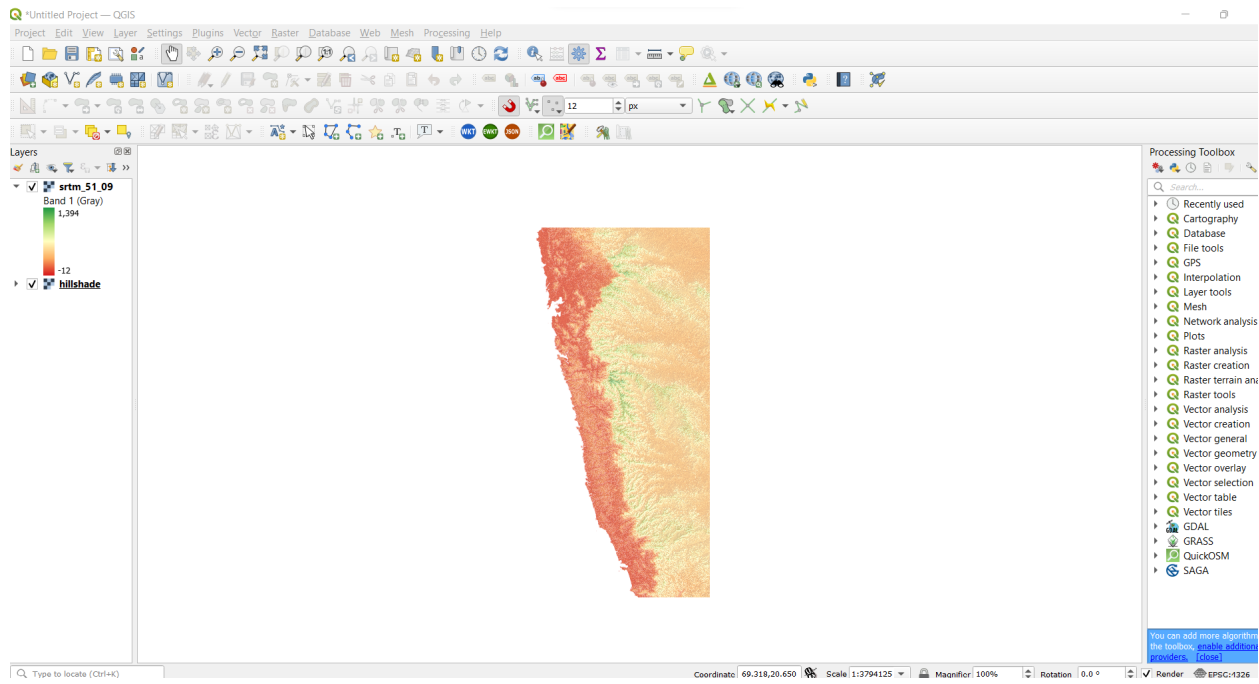
Tutorial 9



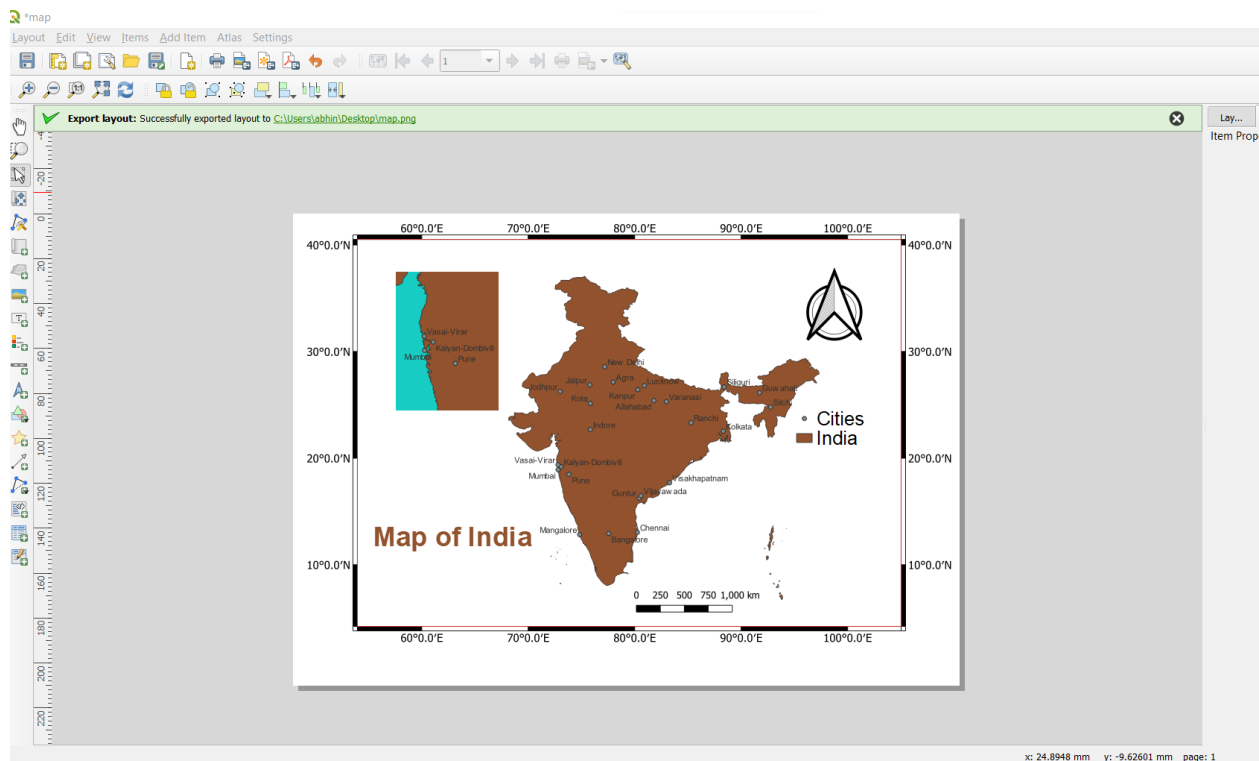
Tutorial 10



Tutorial 13



Tutorial 14



QGIS - Revised Steps in Tutorial - ...

https://forums.spoken-tutorial.org/question/4556/revise-steps-in-tutorial

QGIS Plugins 11-12 min 20-30 sec 26-05-22, 5:29 p.m. nandanamanu

Answers:

In case of Spoken Tutorial No. 10- Plugins please follow the step-by-step process for 3D visualization:

Open GIS >> click plugins >> Manage and install plugin>> Search for QuickOSM plugin in all section and install the plugin >> similarly Search for Qgis2threejs plugin in all section and install the plugin >> Click close after installing both plugins.

To open OpenStreetMap: In browser panel on left hand go to "XYZ tiles" double click on "OpenStreetMap">> zoom in to the desired location you want to work on (Carefully select the area since large area require more time for processing)

Go to vector >> click QuickOSM >> open QuickOSM bar>> in Quick query section under the "key" section search for buildings (keep value field empty)>> Under the option "In" select "Canvas extent">> On the bottom right click "run query" and wait for process to finish (Keep all the boxes check in OSM file section)

After finishing the process, you will get three vector file named building in layer section

Go to web >> select Qgis2threejs >> select Qgis2threejs exporter>> under polygon tick "building" box >> also under DEM tick "flat plane" box

The preview picture will look like 2D plane to convert the plane into 3D plane do the following steps:

Double click on building in polygon section >> building-layer properties will open>> under type change "polygon" to "Extruded" (you can see the height option box emerge)>> click apply and ok (the preview image will convert from 2D plane to 3D plane in Preview panel)>> close the window

To export the image: Under Qgis2threejs exporter>> click on file >> select export to web >> Under output directory select the folder where you want to save file >> provide page title "name" >> Check boxes for "present the current preview" and "enable to run viewer run locally">> In template section select "3D viewer with dat-gui panel">> click Export and close the "export the web" window.

Zoom Meeting You are viewing RuDRA, Meeta Gupta's screen View Options

mohanraj Uttam Sharma Abhinav Kumar... Kalpitha Raj kundun kunal PARAG MAHAJAN

Recording Original Sound: Off

3-Day Workshop on QGIS for River Mapping

GISE Hub, IIT Bombay
May 26th, 2022 to May 28th, 2022

Submission Guidelines

- **Submission Date: 28th May 2022, 1:00 PM**
- A Google Form Link will be shared on Day 3 (28th May 2022, in Morning) for submission
- Please name your folder as ParticipantID_Submission
- Put the folder with the below mentioned files in Gdrive and you will be sharing the link through the form.
 - Screenshots of final output of all 6 tutorials in one pdf document (File name – Tutorial Outputs)
 - **Final Map of your topic of interest (jpg/pdf) (File name – Final Map)**
(Sample template: https://iitb-isro-aicte-mapathon.fossee.in/static/cms/uploads/pdf/Mapathon_Submission_example.pdf)
 - **1-2 page pdf document of data inputs used and methodology (File name – Data and Methods)**
 - 3 minute video (optional) (File name – Video submission)
- *Certificate will be awarded to participants on the basis of the attendance and submissions of above*

Unmute Start Video Participants 64 Chat Share Screen Record Reactions Apps Leave

38°C Haze 16:23 27-05-2022

List of Participants

Show entries Search:

S.No	Enroll No	Name	Designation	Institute	State	Audience	Status	Enrolled At
1	245701	Abhinav Bhaskar	Student	CDAC-Centre for Development of Advanced Computing, Noida	UTTAR PRADESH	Student	Confirmed	11-05-2022 21:13:53

Original Sound: Off | NMEICT | Empowerment of Student | 3 Day Workshop on GIS for River | NMEICT | Empowerment of Student

https://www.iitb.ac.in/nmeict/participantListSW.html?workshopid=2c8L1XOqBzX8F3rvc10G4g&status=JZxX3fwYt

All (119) | Registered (29) | In Progress (0) | Confirmed (119)

Invalid (0) | Cancelled (0) | Completed (0)

Click on any status above to view list of participant of that status.

List of Participants

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1	245684	Madan Kisan Pradhan	Student	Indian Institute of Technology Tirupati	ANDHRA PRADESH	Student	Confirmed	11-05-2022 10:45:24
2	245685	Pavan Mutteparwar	Other	Indian Institute of Technology Bombay	MAHARASHTRA	Student	Confirmed	11-05-2022 12:11:48
3	245686	Akhtar Jahan	Student	Indian Institute of Technology, Roorkee	UTTARANCHAL	Student	Confirmed	11-05-2022 12:28:43
4	245687	Ayan Ahmad	Student	Aligarh Muslim University, Aligarh	UTTAR PRADESH	Student	Confirmed	11-05-2022 12:41:31
5	245688	Vinod Parmar	Student	Malaviya National Institute of Technology, Jaipur	RAJASTHAN	Student	Confirmed	11-05-2022 12:48:06
6	245692	Chameli R	Student	Institute of Remote Sensing, Anna University, Chennai	TAMIL NADU	Student	Confirmed	11-05-2022 15:06:11
7	245693	Mohanraj Gopal	Assistant Professor	Sona College of Technology, Salem	TAMIL NADU	Faculty	Confirmed	11-05-2022 15:35:36

Unmute | Start Video | Participants (65) | Chat (2) | Share Screen | Record | Reactions | Apps | Leave

Administration boundary:

1. DIVA-GIS - A free, and simple but versatile GIS platform (<https://www.diva-gis.org/gdata>)
2. Community Created Maps of India - Sourced from different government websites which are freely available (<http://projects.datameet.org/maps/>)
3. Mapathon website: https://static.fossee.in/mapathon/Mapathon2020_Data/

River drainage path:

1. DIVA-GIS - Develop a free, and simple but versatile GIS program (<https://www.diva-gis.org/gdata>)
2. BBBike extracts- Extract data from the OpenStreetMap project (<https://extract.bbbike.org/>)
3. Geofabrik- Extract data from the OpenStreetMap project (<http://download.geofabrik.de/index.html>)

DEM:

1. BHUVAN - Cartosat DEM (<https://bhuvan.nrsc.gov.in/home/index.php>)
2. USGS EarthExplorer - Shuttle Radar Topography Mission (SRTM) DEM (<https://earthexplorer.usgs.gov/>)

