# Create a Utility to fetch GIS data from Geo-Server

SRTD-RTCG-MISA

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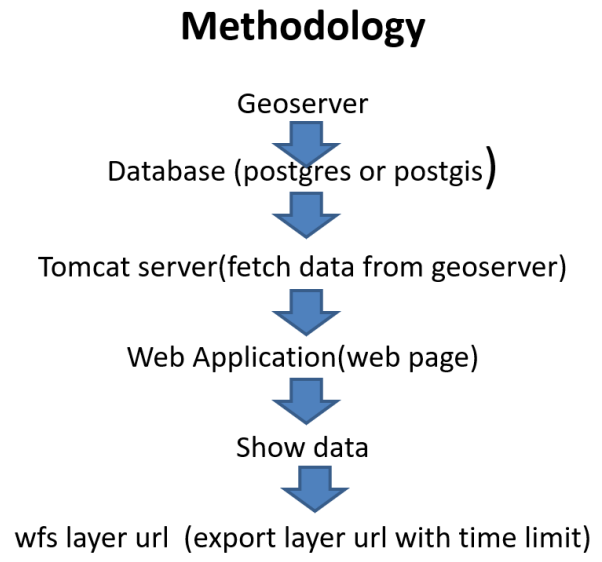**External Guide: Dr. Janak Joshi ,  Dr. Ashwini**

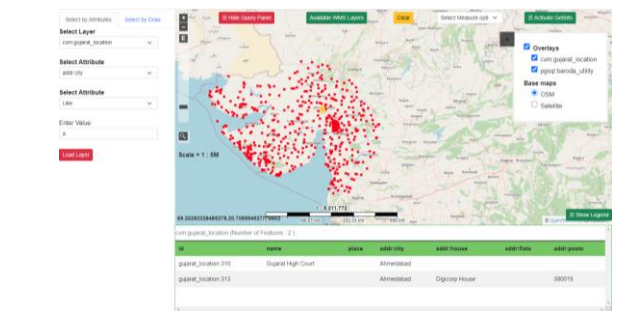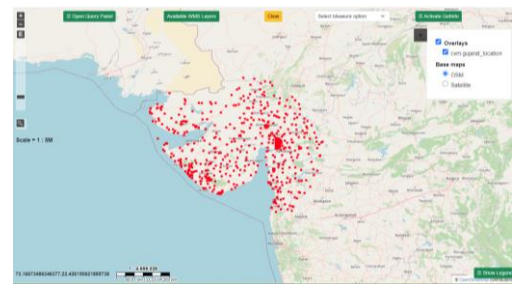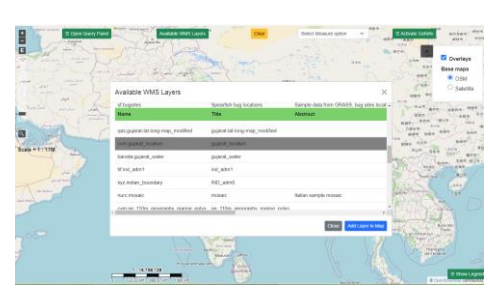**19 SEPT 2022 to 31 MARCH 2023**

## MAJOR OBJECTIVES:

1. connect   Apache tomcat server with  geoserver  and fetch data.
2. JavaScript is the programming language for the web(webpage creation) .
3. JavaScript can update and change both HTML(layout,Gui) and  CSS(style).

## METHODOLOGY FLOW CHART:

### Methodology

Geoserver

⬇

Database (postgres or postgis)

⬇

Tomcat server(fetch data from geoserver)

⬇

Web Application(web page)

⬇

Show data

⬇

wfs layer url  (export layer url with time limit)

## RESULTS/MAJOR FINDINGS:

1. Select publish data layer

2. Show data layer.

3. Select By Attribute and show attribute table and Layer Switcher.



## CONCLUSION:

The objective of this study was to find out what is the geographical information system and what is the technical implementation laying behind it. The key fundamentals for spatial data representation, map projection, OCG standards, about WMS and WFS layers, and core Web GIS fundamentals are covered. The aim was to find out as many ways to present the data with a geographical information system.