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Our project is based on mapping the undivided Surguja region(now divided into three districts Surguja, Surajpur, and Balrampur) of Chhattisgarh for mapathon 2020. All collected data were from the following sites and service:

- <https://censusindia.gov.in/> - Central government census website
- <https://surguja.gov.in/> - State government website
- <https://surajpur.nic.in/> - State government website
- <https://balrampur.gov.in/> - State government website
- Google Maps
- <https://www.openstreetmap.org/>
- <https://www.flaticon.com/> - SVG icons

Our project is selected for this particular region because we are more familiar with the area. The area with all the natural (water bodies, forest) and artificial features(roads, hospital, bank, school, tourist places, etc.). are marked on the map is labeled. There were many phases for the completion of the project and including the following steps:

- 1) **Collection of data:** The data that had been collected was of different types like-
 - Co-ordinate data for the artificial features were collected from Google Map.
 - Census data like population, sex ratio, literacy rate, and tourism and such data took from government websites.
 - Icons for the features like hospitals, banks, and such took from the flaticon website.
- 2) **Importing data:** All the gathered data were imported in the format of delimited text layers.
- 3) **Importing osm data:** Open street maps were valuable in this project. The surface features such as water bodies, forests, roads, railways, etc., and such were obtained as Osm data.
- 4) **Sorting of data:** The open street map data came with lots of information, the sorting of data was required. Then exploitation all the required information was done.
- 5) **Combining the data:** After that, integration of all the data like artificial features data, road data, river data, boundary data, and such into their respective groups.
- 6) **Exporting the map:** After that, the topographic, thematic, route maps, etc. were exported in (.jpeg) format accordingly.

Special Features of map: This project is consist of several special features which are as follows:

- Map Tips are added with HTML code on all the tourist places which will give a brief detail about that place and some images related to that place.
- Rule-based labeling and Rule-based symbolization of the features is done to make it less clustered with the different elements at different scaling and variety of symbols.

Use of Map: Our project focused on mapping for the area, and it can help in the following ways:

- It will help to analyze and understand all the underrated tourist attraction of the area like Mainpat and would help the tourist to find the places to visit whilst visiting the region.
- It consists of information about all the basic features such as hospitals, banks, schools, etc. So it can help locals as well as new visitors to the region to know more about the region.
- It is also, consists of census data (tehsil wise) which can help in the analysis by researchers and analysts.
- It also consists of much information about the roads, railway routes, and mode of transports like airway, railway, helipad) in the region.