

IITB-ISRO-AICTE Mapathon 2020

ISRO Data Used :

Our topic was all about the health facilities available within the district and thus in the state. Our district in use was “Hooghly” and state was “West Bengal”. So to form the boundaries or the skeleton of the state as well as the district it was required to take the help of state and the district boundaries provided by ISRO (with the district labels).

Steps followed in GIS :

It was very exciting to get to know about how to produce maps so effectively with the help of this open-source software QGIS. We learned about how to use different sets of data (Vector, Raster etc.), how to add different layers, how to split the map based on some unique field of data from the tables and then using the specific region of our interest. We as a team, learned and enjoyed the whole journey of knowing nothing about map making to making maps using the outstanding tools of QGIS.

Steps we followed :

1. Extracted the state and the district region from the state level and district level map respectively by splitting method.
2. Used the data set from the West Bengal Healthcare Department and precisely taking the info(Latitude & Longitude) from the google map location about the health care facilities like State General Hospitals, District Hospitals, Sub-division Hospitals, Rural Hospitals, Block Primary Health Centers etc. and plotted them on the map by importing the CSV location data files.
3. Prepared a layout and added the scale bar ,legend and a short analysis of the map data in the specific layout already provided.

Complexities Involved:

Getting the location data of so many health care facilities was a real challenge for us. We have tried to get the exact location of all them. But few, were hard to locate so we have provided with an approximate location after searching a lot of resources. (Non-functional Centers were removed).

- *Team : Vision*