Description

**Introduction:**

Coimbatore, often called 'the Manchester of South India', is the second largest city in [Tamil Nadu](https://www.mapsofindia.com/tamilnadu/). On the banks of the Noyyal River and surrounded by the scenic Western Ghats, the city is a major industrial center known for its factories, engineering firms, automobile part manufacturers and hospitals.

**Methodology:**

**Data used:**

This map is created using the datas obtained from various recourses from Indian Space and Research Organization (ISRO) mainly BHUVAN other resources include, datas from Coimbatore City Municipal Corporation (CCMC), Services Export Production Council (SEPC), and Contributory Health Service Scheme (CHSS) .The outline of the map is extracted/ spitted from the Indian district boundary shape file provided by the organization. With the help of the datas it was possible to locate the health centre in the particular region.

**Steps in GIS:**

Various steps are included for creating the maps which included the extraction of layer of one particular region from the whole layer of India map. Once, after adding up the layer another specific set of datas are added as another layer specifically called as the delimited text layer which include the coordinates of the place for locating it . Several datas are collected and its coordinated are found and point layer is added .After adding up the point layer the notation of the points are changed to relative symbols for clear understating , this is done by clicking on the properties of layer and changing to the required symbols. After creating the image of map Layout is added by clicking on the add Layout tool present in the tool bar. The map is exported by clicking on to add map option .Title of the map and the map description and also all other information are added with the help of text tool. The frame is created by clicking on the checkbox present in the items layout column. The legend is included by adding up add legend tool and is aligned perfectly. The north arrow and the scale of the map are added by clicking on the respective tools. Reference picture of the region and the logo of the organization are added by clicking on the add picture tool and selected by importing it as raster image. Add polygon is selected from the add node option and boxes for entering up personal information like the contact details. Once everything is been aligned the map was exported in jpeg format by clicking on export jpeg.

**Complexities, if any involved:**

As a beginner it was little tough to understand the command as it was a new Software. By self preparation, understanding and other resources, I was able to develop a map related to the topic. Without practice one cannot sustain to achieve the goal. And without being participated one will not gain the experience and difficulties involved. On the whole it was a great experience learning new software, gaining knowledge and creating something useful.

Application of the Map:

**Health needs maps** are an extensive analytical tool supporting managerial decisions in **health care**. They are aimed to present demographic and epidemiological trends, **health care** infrastructure and future **needs** in this area.

This map denotes the hospitals, pharmacy, public health center, covid-19 test center present in the particular region. One would be able to know where the health centre would be. The main application is to locate the health center in the region.