**HEALTH CARE INDICATORS OF COIMBATORE DISTRICT**

Coimbatore being the second largest citiy in the state of Tamil Nadu is situated western corner of Tamil Nadu . Coimbatore lies at [11°1′6″N 76°58′21″E](https://geohack.toolforge.org/geohack.php?pagename=Coimbatore&params=11_1_6_N_76_58_21_E_) in [south India](https://en.wikipedia.org/wiki/South_India) at 1349 ft above sea level. It covers an area of 247.92 sq mi . Having a population of 2,787,000 the size of the health care industry in Coimbatore is estimated at ₹2000 crore . There are large number of hospitals in the city with an in-patient capacity of 5,000 beds. These hospitals include Single Speciality institutions like eye care clinics, kidney center, ortho center, etc and also multi special hospitals. The first health care centre in the city was started in 1909. In 1969, it was upgraded to Coimbatore Medical College Hospital and also city has government run ESI Hospital, which was renovated recently at Rs. 5.20 billion with 500 beds. A government run tertiary care hospital with 1020 beds and provides free health care. The city corporation maintains 16 dispensaries and two maternity homes. People from nearby districts and the state of Kerala visit Coimbatore for medical tourism due to the availability of hospitals and healthcare facilities. Besides the hospitals an addition to Coimbatore in 2020 are the testing centers for COVID-19 .Several labs that are approved for COVID-19 testing with an aim to provide end-to-end testing solutions across the district . There is no doubt that technology has made a significant impact in the medical world. Advancements range from those that improve the comfort of many patients.

**METHODOLOGY :**

The whole process of creating a map hinges on two important steps .The first step of creating a map is configuring **QGIS** and the second important process is **GETTING THE DATA**. Geographic information systems are a sophisticated form of mapping software that enables users to visually display input data .

* The data is collected from the sources of **ISRO Data** from the **BUVAN** and **VEDAS** websites . The data collected are tabulated in the EXCEL which is saved as **.csv filetype**.
* A new project for the health centers was created using by downloading the **india districts boundary map with .shp extension (shape file)** .
* The downloaded map is added using the **add vector layer** option , the downloaded map is added as a layer in the project workspace .
* The **split vector layer tool** is selected from the **data management tools** and the data is collected in a specified directory and the same process of adding layer is followed by choosing the district Coimbatore from the specified directory . The new layer was highlighted with a different colour . The previous layer is removed .
* The coordinate points of various hospitals , pharmacy and COVID test centers are added by as another layer by **delimited text layer** option one by one .
* The coordinate points are labelled by using the **label tool** and the required changes in the symbols are made .
* Map layout is created by using the **New print layout** option and the map is added by selecting **add map** and then click and drag to see the created map in the layout form.
* The **heading** is added using the **add label** option , the **legends** are added using the **add legend** option, the **scale** is added using the **add scale bar** option , similarly the requirements are added using the respective options .