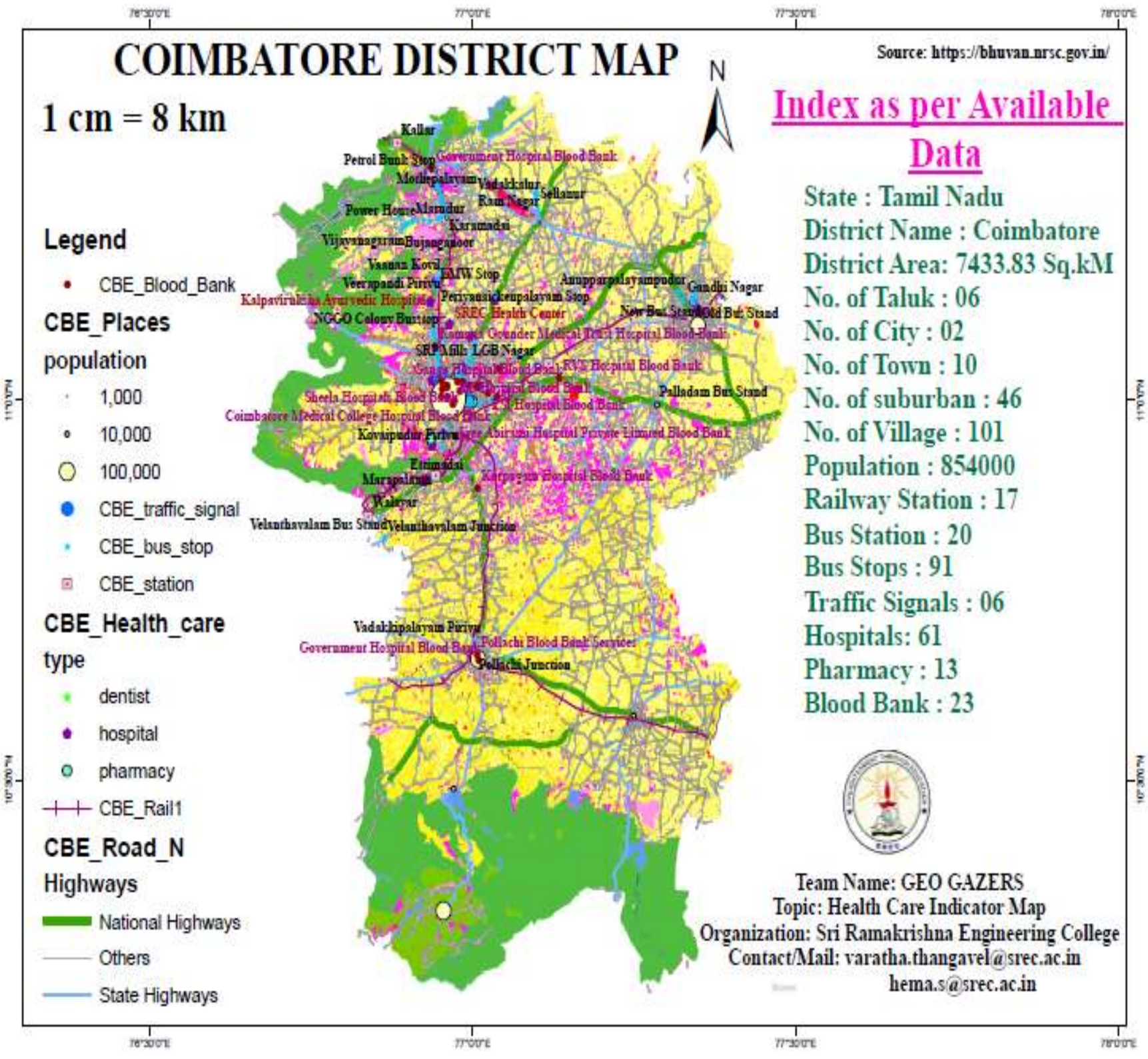
Title: Health Care Indicator Map for Coimbatore District



- ***Data courtesy:*** *BHUVAN, Diva GIS, data.gov.in, National Health Mission (NHM), mapcruzin.com, Mosdoc,Vedas*

Map description and analysis

Introduction:

Coimbatore, "the Manchester of Tamil Nadu" is located in the longitude of 76.9558° E & latitude of 11.0168° N. It consists of 6 Taluks with wide range of road and railway network as per available data.

ISRO/Open Source Data:

- Boundary : Divagis
- Features : mapcruzin.com
- Other Data : Bhuvan, National Health Misssion, data.gov.in, Mosdoc,Vedas

Specific Steps in GIS:

•Data Collection and Processing – A complete information about numbers and availability of Health centers in the region was collected from online as well as real time surveys.

•Inclusion of Attributes and Features –Necessary details were added as attributes for further processing and analysis

•Spatial Query : Attributes & Location Query were assigned as inputs for gathering required information

•Layout Creation and Output export – Final maps were generated.

Complexity:

- Implementation and data extraction of various data available in different formats was time consuming.
- A large set of data added to a larger area makes it difficult to present a visible and high quality output with high precision.

Potential Application:

- In a gridlocked metropolitan city, this map enables to track down nearby hospitals and blood banks during any accidents and emergency situation which in turn saves many lives .
- The information from these maps locating hospitals and other health centers will be highly useful to give appropriate treatment to people during any outbreak of disaster or a pandemic or endemic situations.
- The information about pharmacies/hospitals/blood banks near the bus stands, railway stations and road networks could be obtained which in turn reduces travelling time
- Requirements for health centres in scarce areas could be identified as per health care data and can be used for developing new health centres in required places.
- By creating more queries, with adding actual data, many more information can be obtained in a very effective and useful manner for enhanced development.
- A mobile application/website can be developed using this information which may enable people to track information about the availability of health centres, shortest commute to a clinic/blood bank during emergency as well as according to their needs.

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