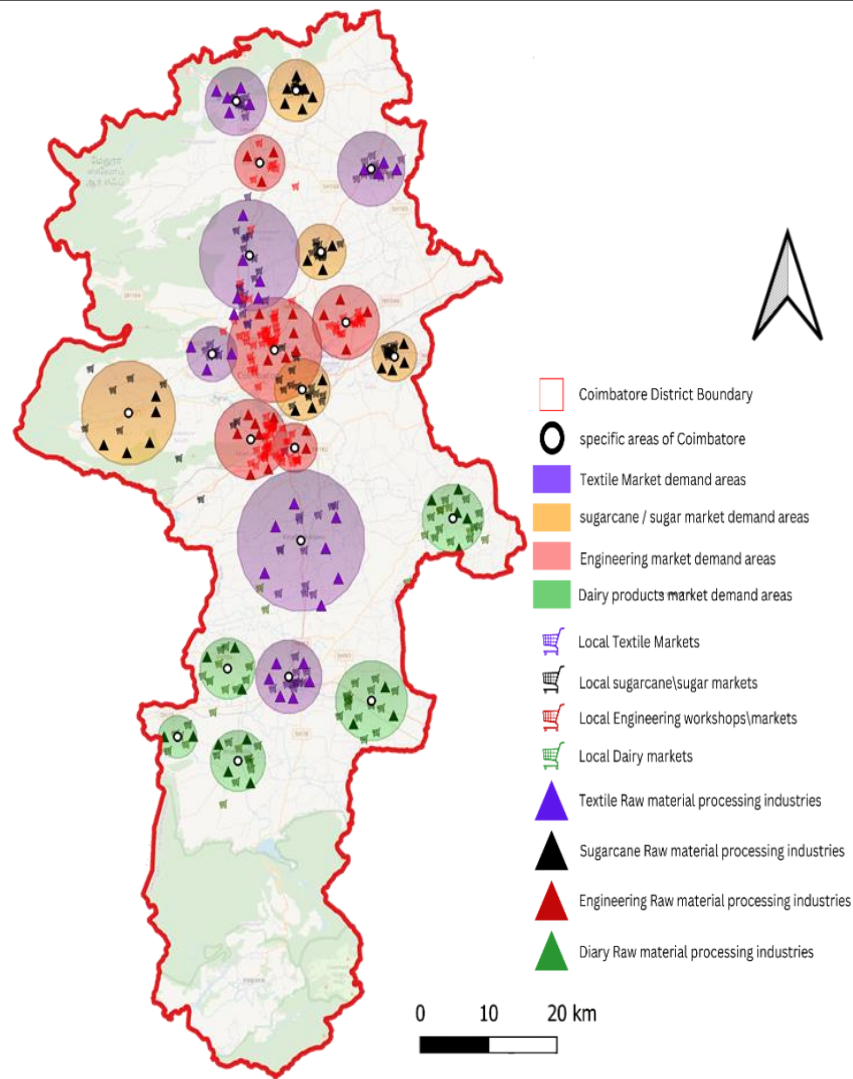


IMPLICATION OF RAW MATERIAL PROCESSING INDUSTRIES BASED ON LOCAL MARKETS, DEMANDS and RESOURCES



REGION:- COIMBATORE, TAMIL NADU

THEME:- URBAN DEVELOPMENT

INTRODUCTION:- Coimbatore, a city known for its large scale textile production which gives rise to its name Manchester of the south, flourishing agriculture and booming demand in engineering. The industrial sector of Coimbatore has always played a great role in India's growth. With more than 25,000 large, medium and small scale industries available, it is currently a top revenue yielding district ranking 4th among Indian cities and 17th among global outsourcing cities.

ABSTRACT:- To create a map on local markets/production/employment. We have chosen this topic as industry production is the backbone of a country's growth which has the ability to strengthen- employment, self-dependency, quality and quantity. At 2019-2022 the world witnesses a pandemic like none other, COVID 19, which led to global recession. Due to this India had a steep decline in its economic growth as it was hit hard leading to unemployment. Our map focuses on bringing a self-dependent environment, we have suggested areas where new raw materials processing industries can be built in areas where local market demand is high and resources and raw material required for the industries are available, this can give rise to job opportunities in manufacturing sector. At present, self-employment rate in Coimbatore is 46.4% through our map we are focusing on increasing self-employment in a short period of time. As of now we have presented our idea for Coimbatore district, we are analyzing data for Tamil Nadu districts and plan on implementing this idea throughout India.

HIERACHY:- TEXTILE> ENGINEERING > FOOD PROCESSING (DAIRY) >AGRI (SUGAR CANE)

STEPS USED IN QGIS:- 1.Import the required shape file sources to the QGIS Software. 2.Create differently coloured buffer circles to specific areas of Coimbatore accordingly. 3.Plot and lay the local markets inside the demand area with the excel sheet data taken using differently colored shopping cart icons according to the sectors. 4.Plot and lay the new potential raw material processing industries in and around the local markets with differently coloured triangle icons using the dataset. 5.Create a new layout and extract the map as an item. 6.Export the finished map as a png file.

COMPLEXITIES:- Few complexities we faced while using QGIS-difficult to find different plugins on the process and loss of saved work.

MAPS APPLICATION:- Maps give us a pictorial representation of data which is easy to understand by all. We have provided visual presentation through colours, icons, buffer circle and legend for easy understanding. Maps can provide better planning for problem solving.

FUTURE SCOPE:- We believe that through our map: employment increases, import decreases, export of Indian products increases, India's economy gets strengthened, self-dependent and reliable India can be developed in the future.

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