

**REMOTE SENSING AND GIS BASED INFORMATION
ON THE STUDIES NILGIRI DISTRICT, TAMIL NADU, INDIA**

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ABSTRACT

This information helps people to get acquainted with the district if they are thinking of moving, have just moved to, or are native to the district. Unfortunately the district of Nilgiris does not have such information available in one location for the general public to view. I hope to provide citizens with a thorough description of their district and its workings, as well as the geology that the city is located atop of the major objectives are to identify the various path. To bring out the infrastructural facilities available in various Tourist centers and finally. To identify all the location and water bodies. Finally creating Nilgiris District information for the public use. The prepared thematic and analysis maps are scanned. The Autocad software was used to digitize the thematic maps. Topology was created and exported to software ARCGIS 9.3. Polygon cleanup was done using Global maper software. After the exportation of map from Autocad, the digitized maps are analyzed using Arc GIS and Global Mapper tools. Particular data are entered for every thematic map, finally the maps have been prepared with reasonable data. Integration of thematic maps is done using the Geoprocessing Wizard extension. In this integration dissolve and intersect options are used. The final map was prepared, which shows the suitable sites for the artificial recharge. Using layout tools, the final output maps are prepared. This study gives an outstanding model for the users. This attempt concludes with user friendly criteria about the study area. And it helps the user to assess and identify various characteristic features of the entire study area with its essential features.

KEYWORDS: Geology, Geomorphology, Soils, Digital Elevation Model, Land Use/Land Cover