



Developing a web-based GIS application as a Planning Infrastructure

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One of the main purposes of the Geographical Information System (GIS) applications is handling data: data integration, organization and sharing. Cooperation and data sharing are very important for planning studies. GIS is very useful for providing organized and integrated data for performing planning studies. A computer has the capability of integrating data from various sources, spatial and non-spatial. It can play an important role in evolving alternate scenarios for resource development and management. We have an abundance of data with the district agencies. However, not much of this data has been properly analyzed and effectively used for plan formulation and implementation. An integrated system is required where all data of all the departments is stored in a uniform format and used for regular monitoring of projects, analysis and other regional planning exercises. This should be a GIS-based application using primary/secondary and tabular/spatial data that incorporate all the planning exercises required to be done by the regional agencies/departments/research scholars. The Deputy Ministry for Town Planning (DMTP) of the Ministry of Municipal and Rural Affairs (MOMRA) is very well aware of these transitions and developments mentioned above. Therefore, the DMTP has been very keen to follow the latest technology and carry out the planning activities accordingly. This presentation illustrates the various steps and procedures followed in order to establish a state-of-the-art GIS solution to meet such transitions and developments.