

## **GIS BASED ENVIRONMENTS FACILITIES AND IT'S APPLICATIONS IN ASSIGNING NON-AGRICULTURE PERMISSION IN RURAL AREA TO THE AGRICULTURE LAND OF THE APPLICANTS FROM REMOTE SENSING IMAGERIES**

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### **Abstract**

Decision makers always require information in precise and organized format so that the information gets the status of intelligent data for analytical assessment. With the advent of new technologies like remote sensing and GIS, the inputs in the form of intelligent maps attached with the attribute information are now available and the user agencies are ready to utilize the potential of this transparent and powerful technology. However the decision makers are typically not familiar enough with spatial data analysis to leverage its fullest use on a regular basis. So there exists a demand for a highly flexible, easy to operate and interactive spatial information systems designed to support decision-making. The District Administration Support System is an effort to address the existing demand. The non-agriculture (NA) permission system based on RS & GIS utilizes decision models, database, and interactive analytical modeling process and rules of the state government to reach a specific decision in granting permission in conversion of agriculture land to non-agriculture purpose. The paper describes important areas of spatial technology, which are put to use for making accurate decisions in transparent, effective and efficient manner. The paper argues that the development of such systems will allow enhanced support for decision makers through generation of spatial knowledge base