



Geospatial Development in the State of Uttar Pradesh

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Abstract:

The on going decentralization process initiated by the 73rd and 74th Amendments of the constitution which gives greater responsibilities and powers to the local bodies as a third tier of governance offers a new-era of opportunity for local planning, implementation and monitoring of programmes. India is advancing fast in the field of Geomatics through its existing ICT infrastructure, trained manpower and knowledge-base. IMS enable the distribution of geographic information and tools over the internet/intranet. It supports a wide variety of client platforms by using communication standards and on the server side, it allow a high degree scalability. It can even be used to deliver maps and spatial data to cellular phones and other handheld devices. Integration of spatial and aspatial data available from multiple sources, on single platform demands use of interoperable data standards and specifications for content, accuracy, quality and exchange for planning purpose using Open GIS specifications around NSDI Framework. Aspatial database based on Sankhyikiya Patrika (SP) of State Planning Department is available for the last 15 years and being updated annually through the planning portal. Digitized base maps of grassroots level and other base maps can be used for integration of indicators taken from SP. On the initiative of PC, GoI, NIC has set-up central & state SDIs and developed a NSDB. State Planning Department in collaboration with NIC is implementing a GIS project of Rs. 5 crore on a decentralized manner at the grassroots level. The deliverables are; development of GIS infrastructure, thematic maps, GIS based MIS, state GIS portal, multi-layered GIS, human resource and digital base maps updation etc. In this paper, approach, methodology. progress and implementation experiences will be shared in detail.