

Socio-economic Applications

(A). Socio-economic Applications

- **Census data representation and mapping**
- **Crime mapping**
- **Distribution of economic resources**
- **Visualization and mapping of cultural landscapes**
- **Site suggestions for industries, agriculture, settlements, Dams, Irrigation etc.**
- **Voting behaviour and pattern**
- **Nearest neighbour analysis**
- **Settlement pattern analysis**
- **Human and social behaviour analysis**

(B). Health GIS

- **Disease distribution**
- **Health facilities analysis (Hospital, Doctors, Compounders, Nurses)**

(C) Water Resource Management

- **Water supply management**
- **Sewer system management**
- **Hydrologic management**
- **Modelling of ground water**
- **Water quality analysis**
- **Stormwater & Flood disaster management**
- **Encroachment on water bodies**
- **Rooftop water conservation**

(C) Water Resource Management

- **Dam and anicut site selection**
- **Stream-ordering**
- **Water bodies mapping and visualization**
- **Wetland mapping**
- **Monitoring changes in stream channels**
- **Traditional water management**
- **Flow modelling**

(D) Agricultural Studies

- **Agricultural mapping**
- **Crop yield prediction**
- **Crop health monitoring**
- **Livestock monitoring**
- **Insect and pest control**
- **Irrigation control**
- **Flooding, erosion, and drought control**