

## Urban Infrastructure:

### Completed Projects

- Development of GIS based Decision Support System(DSS) for Storm Water Network Analysis and Design using EPA SWMM for HMWS&SB, Hyderabad
  - Generation of Drain and Road Network
  - Calculation of Discharge at each Sub Catchment Outlets.
  - Generation of Input file for EPA-SWMM software
  - Hydraulic Simulation on EPA-SWMM
  - Generation of custom reports and Check of design adequacy
- Development of Water Safety Plan for South Musi Zones of Municipal Corporation Of Hyderabad
  - Digitization of Water, sewer and storm and road network
  - Contour Generation
  - Linking of Spatial and non-spatial database
  - Contaminant Ingress analysis
  - Pipe Condition Assessment Analysis
  - Risk Assessment Model Analysis
- Development and implementation of Web GIS using LAMP Architecture (Linux, Apache, MySQL, PHP) for hosting Maps pertaining to the OST TIRZ Master Plan, City of Houston
- Planning of Storm and Sewerage network for Vijayawada Municipal Corporation
- Planning of Water Supply System for Nine municipalities of Hyderabad Metropolitan Water Supply and Sewerage Board(HMWS&SB). Awarded Certificate of Merit for Excellence in Consultancy services from Consultancy Development Center (CDC) for the year 2007.
- Planning of Water Supply System for Secunderabad Cantonment Board.
- Development of Tirumala Water Supply Network Model on ArcGIS platform