**An analytical study on the physico-chemical characteristics of ground water in Vijayawada by using GIS and its suitability.**

**Scope:**

By Analysing the ground water at several locations in Vijayawada, we hope to achieve the

PROVIDE Suggestions on the methods to overcome the further pollution of groundwater to local bodies.

**OBJECTIVES OF THE STUDY**

1. Preparation of thematic maps using Survey of India toposheet and

satellite imagery.

2. Collection of ground water samples at different locations

3. Testing the quality of ground water samples of different locations as per **IS 3025-4 (1983)**

4. Assessment of quality of ground water samples with respect to the **IS 10500 : 2012**

standards.

5. Preparation of final ground water prospectus maps to narrow down the

area of ground water prospects for future exploration programmes by

integrating spatial and attribute database on ARC/VIEW & GIS

Platform.