

## Assessment of Bacteriological quality of drinking water in Vijayawada City

**21 September 2011:** Third year B-Tech (Civil Engineering) students Y. Monica (09100136), M. Tejaswini Meher (09100178), JRR Nishitha (091 00142) and Y. Keerthi (09100128) did a case study on “Assessment of Bacteriological quality of drinking water in Vijayawada City” during 21<sup>st</sup> September 2011 to 28<sup>th</sup> November 2011. The students collected samples of drinking water from more than hundred locations including railway stations, bus terminals, government offices, public parks, educational institutions, religious places, hospitals, busy market places, etc and performed various tests using “Bacteriological Testing Kit” from Orlab.

Measures were taken so that the bottles used for sample collection are clean, test was conducted within eight hours of sample collection, and care was taken such that the mouth of bottle will not touch the tap. Sterilization process was done using bleaching solution after the bottle was cleaned using distilled water. According to the analysis done on samples collected from 100 different locations, 60% of the samples contained bacteria. The analyzed report was submitted to the Vijayawada Municipal Corporation (VMC) for appropriate action and to improve the quality of drinking water in Vijayawada city.

