

**MERCHANT ENGINEERING COLLEGE,  
BASNA  
LIVE PROJECT ON  
UPGRADATION OF INFRASTRUCTURE AND  
FUTURE DEVELOPMENT OF VISNAGAR  
CITY**

Respected Sir,

In Connection with above subject we have taken Live Project of Visnagar City for **Up Gradation of Infrastructures and development of Visnagar City**. Students of final year civil engineering have made actual survey on site from date 21/07/2014 to 25/07/2014 at Visnagar City. They have taken actual ground levels at different parts of Visnagar City. Now they will draw L-sections of each branch line and find remedial measures for adequate water supply and they will also check hydraulic design of drainage lines and suggest remedial measures to Visnagar Nagar Palika after detailed calculations.







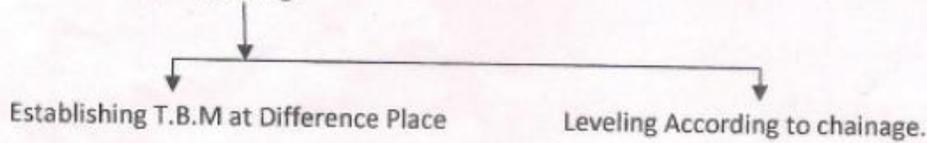


SEMESTER : 7<sup>TH</sup>

**Suggested Topics**

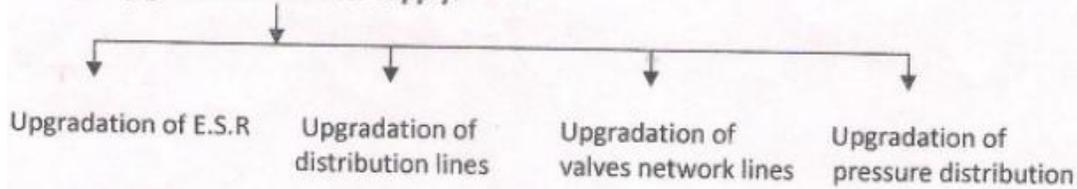
**1) Surveying:**

- A. Chaining,
- B. Ranging,
- C. Leveling.

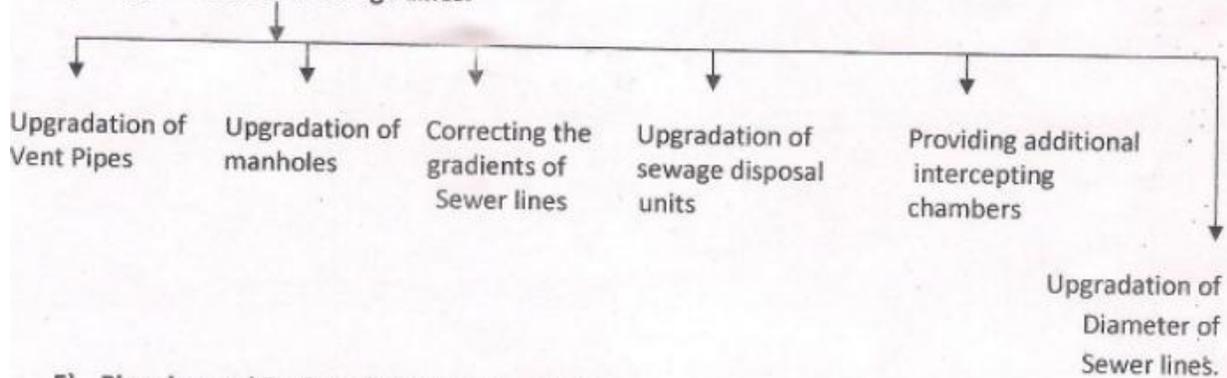


**2) Determination of slope of entire city.**

**3) Up gradation of water supply.**



**4) Upgradation of Drainage Lines.**



**5) Planning and Design of storm water drainage.**

**6) Upgradation of internal roads of visnagar city.**

**7) Upgradation of signals for traffic controls for Visnagar city.**

**8) Planning and design of Solid Waste Management for Visnagar city.**

**9) Planning and design of Slum dwellers.**