

**A REPORT ON INDUSTRIAL VISIT**

**TO**

**TIRUPATI MUNICIPAL CORPORATION  
(SEWAGE TREATMENT PLANT)**

**On**

**30/05/2022**

for the

STUDENTS OF (II B.TECH, II SEMESTER,

SECTION (C), MECHANICAL

ENGINEERING)



**DEPARTMENT OF MECHANICAL ENGINEERING**

**SREE VIDYANIKETHAN ENGINEERING COLLEGE  
(AUTONOMOUS)**

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An industrial visit to TIRUPATI MUNICIPAL CORPORATION SEWAGE TREATMENT PLANT, Renigunta, Tirupati was arranged on 30.05.2022. There were a total of 50 students and 2 Staff members for the Industrial visit. The students started their journey at 9.30 am from the West gate of college. Before the start of the bus, the students were given clear cut instructions with respect to travel, safety and other issues. The students reached TIRUPATI MUNICIPAL CORPORATION SEWAGE TREATMENT PLANT, Renigunta, Tirupati by 10.20 am.

We have observed that how the wastage is collected from the sources and separating them based on categories of waste. Firstly the waste from the households and from different localities are collected through a small trucks, cycle rickshaws and all the waste from these trucks is taken in a large containers that waste has been transported into the plant ,and the waste has been deposited , through the conveyors the waste was separated according to the type of plastics. and these waste has been compressed into defined shape by using compressors , these machines was operated by the workers of municipal plant. And this separated waste will be transported to industries for recycle purpose.



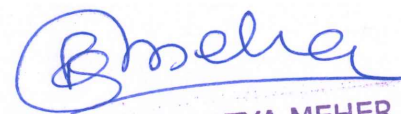
We have also observed BIOGAS PLANT in which all food waste, human waste and animal waste are collected and it is mixed with some chemical catalyst to make

decomposed .and these entire process is done in a separate Dome and stored for a period of time ,for the production of required gas(CH<sub>4</sub>) and the gas is collected through the pipes and passed through the compressors to compress the gas into high pressure of 90-150 bar , this compressed gas is taken and stored in a cylinders and supplied to usage purpose.

At last no chemical gases and pollution were released in environment during entire process and it is a pure renewable source. The visit came to an end by 1.15pm and we returned to the college for lunch.

### Impact of INDUSTRIAL VISIT

- The industry exposure helps a lot in personality development of the students.They are also exposed to industry culture and learnt how to communicate with their industry mentors ,and also how to perform tasks assigned with in the given time frame in an industrial setting.
- Some students get their final year major project ideas from their explanation in industrial visit and they continue to be in touch with their industry mentor.
- Student feedback is collected at the end of industrial visit.



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