

Department: CIVIL ENGINEERING | Date: 04th November 2022

Field Visit to
**"Hybrid Model of Constructed Wetlands and
Effluent Treatment plant"**
04th November 2022

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Field Visit to **"Hybrid Model of Constructed Wetlands and Effluent Treatment Plant"**, Carriage Repair Shop (CRS), South Central Railway, Tirupati for III B.Tech Civil Engineering students under IGBC Sree Vidyanikethan Engineering College Student Chapter on 04th November 2022. The objective of the program is to help the students in understanding the practical applications of the theoretical concepts learned during their course work.

A total of 110 students from III B.Tech Civil Engineering I Semester has participated in this field visit. Mr. M. R. Sreenivasulu, Senior Section Engineer and Mr. Neeraj Kumar, Junior Engineer guided the students towards the effluent treatment plant and explained the operating procedure of the plant. The waste water from the entire workshop is being collected, treated and is being used for watering plants in the premises. Later the students were taken to the hybrid model of constructed wetlands where the domestic wastewater is being filtered and cleaned using natural plant species. As a result of this visit, the students gained the practical knowledge about various steps involved in wastewater treatment process and techniques to re-use of wastewater. Dr. O. Eswara Reddy, Professor and Chairman-BoS, and Faculty Advisor-IGBC SVEC Student Chapter was the convener, and Mr. M. S. Yuvaraj, Assistant Professor and Faculty Coordinator, IGBC SVEC Student Chapter was the coordinator of this visit. Office bearers of IGBC SVEC Student Chapter were the organizers of this program. On the whole, the field visit was proved successful.

The photographs of the event are as follows.



Mr. M. R. Sreenivasulu, SSE explaining the students about safety measures to be followed in the premises of Carriage Repair Shop



Mr. Neeraj Kumar, JE explaining students the process involved in wastewater treatment



Mr. Neeraj Kumar, JE explaining students about the operations involved in effluent treatment plant



Mr. M. S. Yuvaraj, Assistant Professor explaining students about various collection tanks of effluent treatment plant



Mr. M. R. Sreenivasulu, SSE explaining the students about the importance of wetlands in wastewater treatment



Mr. M. R. Sreenivasulu, SSE showing students the head regulator used to divert domestic wastewater to the wetlands



Students of III B.Tech Civil Engineering, Coordinators of IGBC SVEC Student Chapter & Faculty of SVEC with Mr. M. R. Sreenivasulu, SSE during the field visit

(Dr. O. Eswara Reddy)

Faculty Advisor

IGBC SVEC Student Chapter

Professor, HoD and Chairman-BoS