SGTU/FEAT/CE-193

Dated: 07 April 2023

To

The Registrar SGT University, Gurugram

Subject: Permission to organize an Outreach Activity on "Awareness about Electric Mobility Solutions & Sanitary Drainage Systems", at village Kaliawas, Gurugram.

Respected Sir,

On behalf of the Department of Civil and Mechanical Engineering, SGT University, we would like to request you permit us to organize an Outreach Activity on Awareness about Electric Mobility Solutions & Sanitary Drainage Systems", at village Kaliawas, Gurugram, on 21 April 2023, with the students of the faculty of Engineering & Technology, SGTU for the villagers. This outreach activity will aware the listeners about the electric mobility modes and solutions to the sanitary drainage problems of the villages. No financial aid is required for the same.

Date: 21 April 2023

Timing: 10.00 AM to 02:00 PM

Place: Village Kaliawas, Gurugram

transport for 26 persons.

Kindly consider the request and give valuable permission for the same.

With Best Regards

Mr. Dinesh Deshwal (HOD ME)

Assoc. DEAN (FEAT) Jenned to DeanSir

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SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY SGT UNIVERSIT

(UGC Approved University) GURGAON, Delhi-NCR

Faculty of Engineering & Technology

Department of Civil & Mechanical Engineering

"Electric Mobility Solutions & Sanitary Drainage Systems"

Under the aegis of "Torque Club"

Type of Event: Outreach Activity

Date: 21 April 2023

Time: 10:00 AM to 02:00 PM

Venue: Village Kaliawas, Gurugram

<u>Organizer:</u>

- Dr. Neeraj Saini, HOD & Assistant Professor, Department of Civil Engineering,
- Mr. Dinesh Deshwal, HOD & Assistant Professor, Department of Mechanical Engineering, FEAT
- Mr. Kaushal Sharma, Assistant Professor, Department of Civil Engineering, FEAT
- Ms. Monika Deshwal, Assistant Professor, Department of Mechanical Engineering.

Faculty of Engineering & Tachnolog SGT University
Gurgaon (Haryana)

Objectives:

The session is organized with a vision to understand the day-to-day problems of the villagers and provide them with solutions. Clean drinking water is the utmost requirement of a healthy society. Villagers must be aware of the different available renewable energy resources. In addition, a glimpse of electric vehicles will be demonstrated by the students of SGT University. Also, villagers will be informed of the sanitary drainage systems and clean drinking water.

About the Speaker/Guest:

Dr. Neeraj Saini (HOD & Assistant Professor-CE) and Ms. Monika Deshwal (Assistant Professor-ME), FEAT, SGTU

Audiences:

15 students from the Department of Civil & Mechanical Engineering, FEAT, SGTU, attended the sessions.

Brief Report:

Outreach activities aid in educating the locals about significant problems, projects, or causes. Outreach initiatives can foster communication between people, groups, and communities. Understanding the day-to-day problems of the villagers and providing them with solutions is the prime obligation of students and teachers. Electric vehicles (EVs) and Proper Sanitary Drainage System is the prime area of concern nowadays. EVs offer several advantages over traditional gasoline-powered vehicles, including lower operating costs, reduced emissions, and quieter operation. However, they also face challenges, such as limited driving range, long charging times, and higher upfront costs. Keeping this thought in mind, the Department of Civil and Mechanical Engineering, Faculty of Engineering and Technology, SGT University, under the aegis of Torque Club, organized an Outreach Community Program in village Kaliawas on 21 April 2023. Faculties and students of SGTU visited the village and interacted with the villagers on the topic of clean drinking water, drainage system, and Electric Vehicles. Accompanying students

demonstrated the electric vehicle projects they worked on during the synergy fest of SGT University. Govt. school students raised queries about the electric vehicles as well as on the TDS meter. Students were made aware of the methods for procuring clean drinking water. Overall, the session was very informative and interactive for the students.

Learning Outcomes:

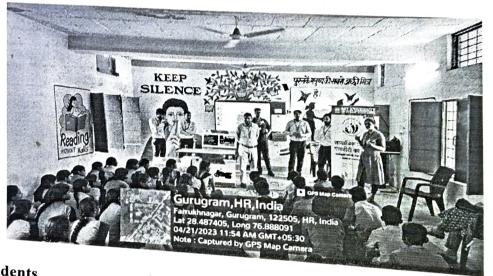
This session encourages the villagers to follow clear drinking water practices. In addition to that, the significance of electric vehicles was demonstrated to the students. Students motivated the villagers to drink clean water and how to get rid of high TDS water through common methods.



Students understanding problems realted to Water Cleanliness







List of students

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Dr. Neeraj demonstarting ways to check Water TDS and solutions to problem

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Faculty of Engineering & Technology SGT University Gurgaon (Haryana)