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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

*[Signature]*  
07/04/23  
Dr. Neeraj Saini (HOD CE)

*[Signature]*  
07/04/23  
Mr. Dinesh Deshwal (HOD ME)

*[Signature]*  
07/04/23  
Assoc. DEAN (FEAT) *forward to Dean Sir*

*[Signature]*  
07/04/2023  
DEAN (FEAT)

*Although proper channel request submitted for consideration & approval please*  
*[Signature]*  
10/4/23

*[Signature]*  
07/04/23  
Registrar  
SGT University  
Gurugram

*[Signature]*  
Approved  
10/4/23



# SGT UNIVERSITY

**SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY**  
(UGC Approved University)                      GURGAON, Delhi-NCR

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**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**

**Organizer:**

- Dr. Neeraj Saini, HOD & Assistant Professor, Department of Civil Engineering, FEAT
- 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, FEAT

### **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 related to Water Cleanliness





### List of students

1. 221303002 Tanish Bansal
2. 221303003 Rohit Yadav
3. 221303004 Yatin Kumar
4. 221303005 Harsh
5. 221303007 Sai Satya Dhanush
6. 221303008 Chirag
7. 221303009 Anurag
8. 201303001 Tushar Dhanker
9. 201303002 Vinay
10. 201303004 Naman Sharma
11. 201303006 Pulkit Sharma
12. 201303009 Prashant Kumar
13. 211303009 Yash
14. 211303001 Vicky
15. 211303002 Aditya Negi

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

Shree Guru Gobind Singh Tricentenary University Haryana				
Faculty of Engineering and Technology				
Department: Civil Engineering			Date: 21/4/2023	
Event Title: Torque CLUB			Course/Semester	
S.No	Enrollment no.	Name	Course/Semester	Signature
1	221303002	Tanish Bansal	B.Tech.	[Signature]
2	221303003	Rohit Yadav	"	Rohit
3	221303004	Yatin Kumar	"	[Signature]
4	221303005	Harsh	"	Harsh
5	221303006	Sat Satya Dhanush	"	[Signature]
6	221303007	Chirag	"	Chirag
7	221303008	Anurag	"	Anurag
8	201303001	Tushar Dhanekar	"	[Signature]
9	201303002	Vihay	"	Vihay
10	201303004	Naman Sharma	"	Naman
11	201303006	Pulkit Sharma	"	Pulkit
12	201303009	Parshant Kumar	"	Parshant
13	211303009	Yash	"	Yash
14	211303009	Vicky	"	Vicky
15	211303002	Aditya Negi	"	Aditya
Coordinator(s) (Name, Department and signature)				

Department of Civil Engineering  
Faculty of Engineering & Technology  
SGT University

Gurgaon (Haryana)  
Dept. of Civil Engg.

Faculty of Engineering & Technology  
SGT University  
Gurgaon (Haryana)