

J.C. Bose University of Science and Technology,
YMCA, Faridabad

1.	Name of Activity	Industrial Visit
2.	Type of Activity (FDP/Lecture/Technical/conference etc.)	Industrial Visit to Greencell Express Pvt. Ltd, Sahibabad, UP
3.	Name of department/ Section/ cell conducting the activity	Department of Electrical Engineering
4.	In coordination with (if any)	-
5.	Date of Conduct	April 29, 2024
6.	Name of Activity Coordinator (s)	Dr. Yogendra Arya & Mr. Pawan Kumar
7.	Amount Spent	Rs. 4,000/- (For refreshment)
8.	Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	Department of Electrical Engineering
9.	Target audience	Third Year Electrical Engineering Students (6 th Sem)
10.	No. of beneficiaries	16
11.	Name of Outside guests	-
12.	Any other information	Report Enclosed containing details of notices/flyers/list of attendee etc.
13.	Also, attach two/ three good-quality photographs	Enclosed







REPORT

GREENCELL EXPRESS PVT. LTD, SAHIBABAD (UP)

On 29th April, 2024 Visit to EV charging setup in Sahibabad (Greencell Express Pvt. Ltd, Sahibabad, UP) was organised by the Department of Electrical Engineering, JC Bose UST, YMCA, Faridabad.

A total of 16 students with 2 teachers (Dr. Yogendra Arya & Mr. Pawan Kumar) accompanied the students to the visit. The bus took off from YMCA at 9.30 am and reached Sahibabad at the EV charging station at around 12.30 pm. We were welcomed with great pleasure at the facility. The facility was owned by Nuego buses, the company owns 950 buses at its fleet which runs to all over India. Two 1000 kVA transformers were installed to facilitate the charging. The charging station facility was equipped with total 10-12 DC fast chargers which can charge the bus from 0% to 100% in about 2:30 Hrs. The buses come in two categories including normal seating buses and sleeper buses with the capacity of 40-60 people in both category of buses. The buses were equipped with 10 packs of 22W battery (5 on the left side and 5 on the right side). It was also equipped with DC-

DC converter and BMS within the bus itself. Price of one bus was starting at around 1-1.5 crores. The buses travel all over India. Charging as well as Maintenance of buses was taken care at the facility. The buses were equipped with latest technologies and there were special security arrangements in the bus itself. The range of each bus was around 250 km at one single go at full charge. We students observed everything carefully in the facility and also learned a lot about the new developing technology i.e. about EVs. How they are benefitting the environment as they are not causing pollution in the environment. After a great learning session at the facility, we left it around 3 pm and reached YMCA at around 5.45 pm in the evening. It was overall a great learning session for all of us.

Thanks to our Department Chairperson and Dr. Sakshi Karla for organising the trip at such short notice.