



Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE and affiliated to JNTUH)
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10 February 2024

Report on the Industrial Visit to 220kV/132kV/33kV Chandrayangutta Substation

An Industrial visit to 220kV/132kV/33kV Chandrayangutta Substation was organized by the EEE department of Bhoj Reddy Engineering College for Women on 09 February 2024, with 49 numbers of III EEE BTech students and 5 staff members (1.R Manju Bhargavi, Associate Professor, EEE; 2.J Ashwini Kumari, Associate Assistant Professor, EEE; 3.K Uma Rani, Assistant Professor, EEE ; 4. J Indu, Assistant Professor, EEE; 5.K Rajamani, Lab Asssistant,EEE).

Banner:



Figure 1: During the starting of the industrial visit, Students and staff of EEE department

The visit commenced as planned, with the bus departing from our college premises at 10:00 AM and arriving at 220kV/132kV/33kV Chandrayangutta Substation around 10:30 AM. The journey to was smooth and efficient. Upon reaching Chandrayangutta, we were warmly received by the staff from the TSTRANCO department, led by Mr Bhamachaari, Assistant Divisional Engineer and Mr Srinivas, Assistant Divisional Engineer. The warm welcome and smooth coordination set a positive tone for the entire visit, were given a brief introduction to the substation and its operations.



Figure 2: Students and staff of EEE department along with the Mr Srinivas, Assistant Divisional Engineer in Chandrayangutta Substation

Upon entering the premises of Chandrayangutta Substation, the students were divided into two smaller groups, with each group guided by knowledgeable Chandrayangutta Substation representatives, including Mr Bhamachaari, Assistant Divisional Engineer and Mr Srinivas, Assistant Divisional Engineer and Mr Yakesh, Assistant Engineer. Chandrayangutta Substation proved to be an exceptional learning experience for our students. Students observed and understood the functioning of various equipment in the substation, such as transformers, circuit breakers, isolators, relays, and control systems. A substation visit was an excellent opportunity to learn about safety protocols and procedures implemented in high-voltage environments. Understanding safety measures is crucial in the field of electrical engineering. Your dedication to ensuring that the visit was informative, well-organized, and enlightening was truly commendable. We were highly impressed by the professionalism and knowledge demonstrated by them throughout the visit. Their ability to explain complex concepts in a simplified manner made it easier for our students to understand and grasp the intricate details of the various processes and operations at substation.



Figure 3: Students of EEE department along with the Mr Yakesh, Assistant Engineer in Chandrayangutta Substation

Mr Yakesh, Assistant Engineer patiently answered student's questions and provided insights, further enriched their understanding. Mr Bhamachaari, Assistant Divisional Engineer by taking the time to engage with them individually and provided them with a glimpse into his own experiences and career path, students have undoubtedly inspired and motivated them.



Figure 4: Students and staff of EEE department along with the Mr Bhamachaari, Assistant Divisional Engineer and Mr Srinivas, Assistant Divisional Engineer and Mr Yakesh, Assistant Engineer at Chandrayangutta Substation

Throughout the visit, the students were highly engaged and enthusiastic, actively participating in the learning experience. They eagerly absorbed the knowledge imparted by the Chandrayangutta Substation staff and expressed their appreciation for the opportunity to witness the practical applications of their theoretical learnings.

The students and staff members returned to Bhoj Reddy Engineering College for Women safely, reaching back around 5:30 PM, marking the end of a fruitful and enriching industrial visit.

In summary, the industrial visit to Chandrayangutta Substation provided the students with a comprehensive understanding of the company's operations, advanced technologies, and commitment to excellence. The visit has undoubtedly inspired and motivated them to excel in their chosen field of engineering.

We would like to extend our sincere gratitude to the college management for supporting and encouraging such industrial visits. The exposure gained from this visit will undoubtedly prove to be beneficial for the professional development of our students.

Special thanks go to Mr. G Venkateshwarlu, ADE,CTI and the entire team from Chandrayangutta Substation for their exceptional hospitality and for making this visit a memorable one.

In conclusion, the industrial visit to Chandrayangutta Substation was a resounding success, leaving a positive impact on our students and staff. We look forward to organizing more such educational and enriching experiences for our students in the future.

R Manju Bhargavi
Seminars and Workshops In-charge

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