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VINAYAKA MISSION'S
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

REPORT ON INDUSTRIAL VISIT TO NORTH CHENNAI THERMAL POWER STATION ATHIPATTU, CHENNAI.

Department of Electrical and Electronics Engineering, Aarupadai Veedu Institute of Technology organized a one day Industrial visit to NORTH CHENNAI THERMAL POWER STATION, ATHIPATTU on 17/06/2022. A team of II, III & IV year Students of EEE & Mechatronics (58 no's) along with 2 Faculty members took part in the Industrial visit. We started from AVIT and reached North Chennai Thermal Power Station at around 11.00am by our college bus.

North Chennai Thermal Power Station is situated about 25 KMs from Chennai on Northern side. The North Chennai Thermal Power Station Unit I was commissioned in the Year 1994, unit II was commissioned in 1995 and unit III was commissioned in 1996 in the Thiruvallur district. It is one of the major power plants of Tamil Nadu. NCTPS has a total installed capacity of 630 M.W comprising 3 units of 210 M.W each. All the three units are coal based. In recent years due to shortage of coal in the state, coal is being imported to function the power plant. Coal for NCTPS is received from Mahanadhi coal fields Limited (Talchar & IB Valley), Orissa, Eastern coal fields Limited, Ranikanj, West Bengal. At the North Chennai Thermal power station II, Mr. Murali, Assistant Engineer of NCTPS II welcomed and took us to different places of thermal power plant like coal handling plant, Ash handling plant, Bunker, Boiler drum, Turbine, Generator, cooling tower and explained the working of each sections of power plant. Finally, we visited DCS Siemens control system of plant. Overall, it was very useful for the students and strengthened their knowledge about the Thermal power plant.

