

## VISIT TO KHAPERKHEDA THERMAL POWER STATION

The Department of Electrical Engineering at J D College of Engineering and Management, Nagpur organized an industrial visit to “**Khaperkheda Thermal Power Station**” on 02/08/2017 for the students of 3th SEM Electrical Engineering . Total 25 students of 3rd SEM EE as well as 2 faculty members Prof. P.Panchbhai and Prof. H.Pillewan accompanied students to this Industrial visit.

**Kaparkheda Thermal Power Station** is located in Nagpur district in the Indian state of Maharashtra. The power plant is one of the coal based power plants of MAHAGENCO. The coal for the power plant is sourced from Saoner and Dumri Khurd mines of Western Coalfields Limited (WCL). Source of water for the power plant is from Pench reservoir through a pond of Koradi Thermal Power Station (KTPS).The installed capacity of plant is 1340MW with four units of 210MW and one unit of 500MW.

Engineer of the training centre explain about the basics of Thermal Power Station to the students. Working of plant with the help of a dummy model was given first. He also explained the students about design process of plant by visiting through various sections and students have seen about the various stages in which power is been generated from boiler section, ash handling plant, cooling towers, generator, monitoring room and power transformer



