




CSMSS

**CHH. SHAHU COLLEGE OF ENGINEERING,  
CHH SAMBAHAJINAGAR**



**DEPARTMENT OF ELECTRICAL ENGINEERING**

<b>Name of the event:</b>	<b>Industrial visit to Gangamai Sugar Factory and Cogeneration Plant</b>
<b>Date of the event:</b>	22 <sup>nd</sup> November 2025.
<b>Participants</b>	Students of Third Year (Total: 80 Student & 5 Staff )
<b>Name and Address of the Industry</b>	Gangamai Sugar Factory, A/p Taluka Shevgaon, Dist. Najik Babhulgaon, Maharashtra 414502
<b>Summary of the event:</b>	<p>Gangamai Industries operates one of Maharashtra's most advanced sugar manufacturing facilities. The factory exemplifies modern industrial integration—combining sugar production with 40 MW bagasse-based cogeneration. Factory staff comprehensively explained and showed the sugar production process to all students. Important stages include 1)Cane Reception, 2)Juice Extraction, 3)Clarification, 4)Crystallization, 5)Centrifugation. We noted the factory's use of advanced technology and efficient waste management practices. Bagasse—fibrous residue from canes is used to generate steam that drives turbines coupled to electrical generators. This dual-output system provides thermal energy for sugar processing while exporting surplus electricity to the grid, achieving energy independence and generating supplementary revenue. The factory's safety protocols provided valuable insights into industrial applications.</p>
<b>Outcome:</b>	<ul style="list-style-type: none"><li>➤ The industrial visit provided practical understanding across engineering disciplines like mechanical (turbine operation), chemical (crystallisation), electrical (power generation, grid synchronisation, renewable integration), and industrial management.</li><li>➤ The visit was highly informative, bridging the gap between academic knowledge and practical application.</li></ul>
<b>Photo:</b>	 <p>Group photo taken at Gangamai Sugar Factory on 22/11/2025.</p>

**Industrial Visit / Activity  
Coordinator**  
Prof. A. D. Salpe /  
Prof. R. R. Gadappa

**Prof. A. N. Mudiraj**

**Dr. G. B. Dongre**