

## A REPORT ON ONE DAY INDUSTRIAL VISIT

**Place of Visit: Borhamdeo Cooperative Sugar Factory, Ramhepur, District Kabirdham, Chhattisgarh**

**Date of Visit: 15<sup>th</sup> March 2023**

### **Faculty Accompanied:**

- 1) Dr. Ashish Kumar, Associate Professor, Dept. of Biotechnology
- 2) Dr. Amar Abhishek Guest Faculty, Dept. of Biotechnology
- 3) Ku. Lakshmani Verma, Guest Faculty, Dept. of Biotechnology

Total 32 students including 25 M.Sc. Biotechnology 4th Semester students, and 7 M.Sc. Microbiology students from Department of Biotechnology, Guru Ghasidas University, Bilaspur, visited the Borhamdeo Cooperative Sugar Factory, Ramhepur, District Kabirdham, Chhattisgarh. This visit was mainly focussed on to understand the procedures of sugar making and ethanol production from sugarcane molasses. Engineer from the sugar factory explained about the various processes involved in chopping sugarcane, making juice, there filtration, boiling, and crystallization inside the sugar factory.

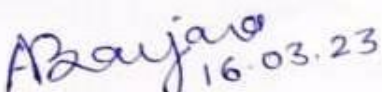
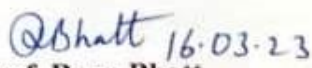


The stepwise procedure for making ethanol from sugarcane molasses including fermentation, filtration and distillation, their storage, and treatment of waste water discharged from ethanol plant was also explained by the engineers from the ethanol plant established near Borhamdeo Cooperative Sugar Factory Ramhepur, District Kabirdham, Chhattisgarh.



It was the great opportunities for our M.Sc. Biotechnology, and M.Sc. Microbiology students from the Department of Biotechnology. Overall visit helped our students in understanding the instrumentation, procedure, and technology used for making the sugar from sugarcane and ethanol from the sugar molasses

We express our heartiest thanks to our Vice Chancellor Prof Alok Kumar Chakrawal sir for being a source of inspiration and motivation which helped us to visit the Bhoramdeo Cooperative Sugar Factory, Ramhepur, District Kabirdham, Chhattisgarh.

 <b>Dr. Ashish Kumar</b> Associate Professor, Dept. of Biotechnology Guru Ghasidas University, Bilaspur, (CG)	 <b>Prof. Renu Bhatt</b> Head, Dept. of Biotechnology Guru Ghasidas University, Bilaspur, (CG) विभागाध्यक्ष, जैव प्रौद्योगिकी विभाग Head, Department of Biotechnology गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.) Ghasidas Vishwavidyalaya Bilaspur (CG)
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