

Sri GVG Visalakshi college for Women.
Department of Chemistry.
Report on Industrial Visit KSE limited dairy division
Date : 20-12-2021

On 20-12-2021 around 60 students from II BSc Chemistry and III BSc Chemistry and four faculty members visited KSE limited dairy division and Vesta Ice Cream Manufacturing unit. Udumalpet, Swaminathapuram, Madathukulam, Tamil Nadu 642113.

Company Profile

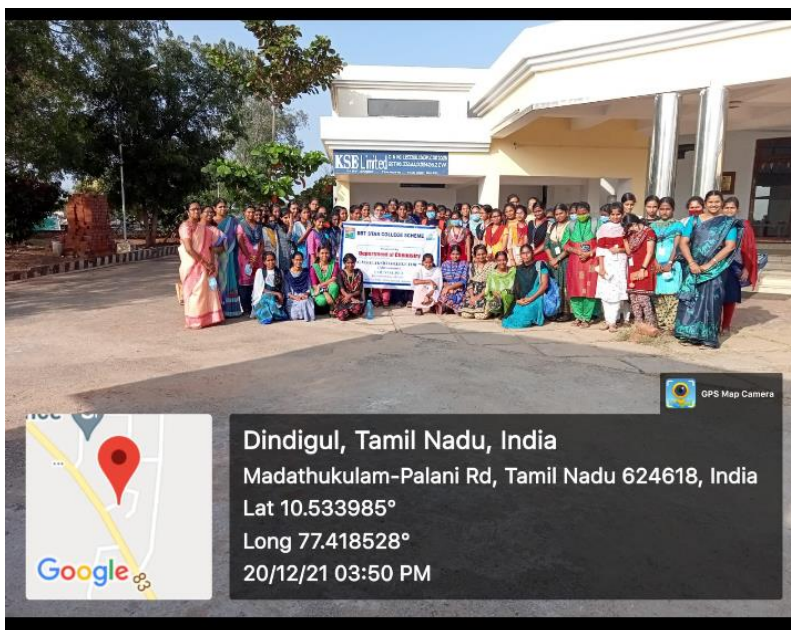
KSE is the largest manufacturer of compound cattle feed in private sector in the country. To enable the company to extend its products and services to whole of Tamilnadu, a new production unit was set up at swaminathapuram in Dindigul District of Tamilnadu. Spread out on 22 acres of land on the banks of river Amaravathi, this Rs.3.5 crores plant works round the clock. The main branch located in Kerala, Vesta Ice Cream have become popular in Udumalpet

The process involves collection of milk from various sectors of Village, Town and City. All the collected milk is supplied to KSE and testing process is carried out to know the flat quality of milk. Various steps involved includes,

- Collection of Milk from various sectors.
- Testing of Milk.
- Pasteurization of Milk.
- Storage of Milk in tanks.
- Producing milk products such as icecream and curd.
- Testing of the final product of milk produced.
- Packing process.

First the thickness of milk is measured. Then the milk is preserved with cool water. Then the milk undergoes pasteurization process. Milk is pasteurized less than 100°C and stored in large tanks (1000 to 6000 lit. of tank). Then the ice-cream mix is homogenised. It is made to freeze at 5°C for 4 hours. Then liquid flavours, colours, nuts and other additives are added and freeze. After the product testing is carried out to know the quality of the product. Finally, the entire product is packed by automated machines in some cases people also used for tool exchanges, shifting of finished product, to shift the operation carried on machine, to place the product correctly.

This Industrial Visit is really useful. Students learnt a lot related to chemistry in an industrial manner. Students gained more information and were excited to know more and gain knowledge about the science behind our daily essentials.



SRI GVG VISALAKSHI COLLEGE FOR WOMEN,
UDUMALAPET.

Industrial Visit to Vesta Ice-creams

DEPARTMENT OF CHEMISTRY



Industrial Visit to KSE and Vesta Ice-creams on 20-12-2021.