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Report on the Hands on training programme in Food testing and Microbial Analysis –Sri Sakthi Lab

Under DBT star college scheme fifteen of our B.Sc chemistry students attended two days Hands on training programme in Food testing and Microbial Analysis at Sri Sakthi Food Testing Laboratory, Coimbatore on 22.12.2021 and 22.12.2021.

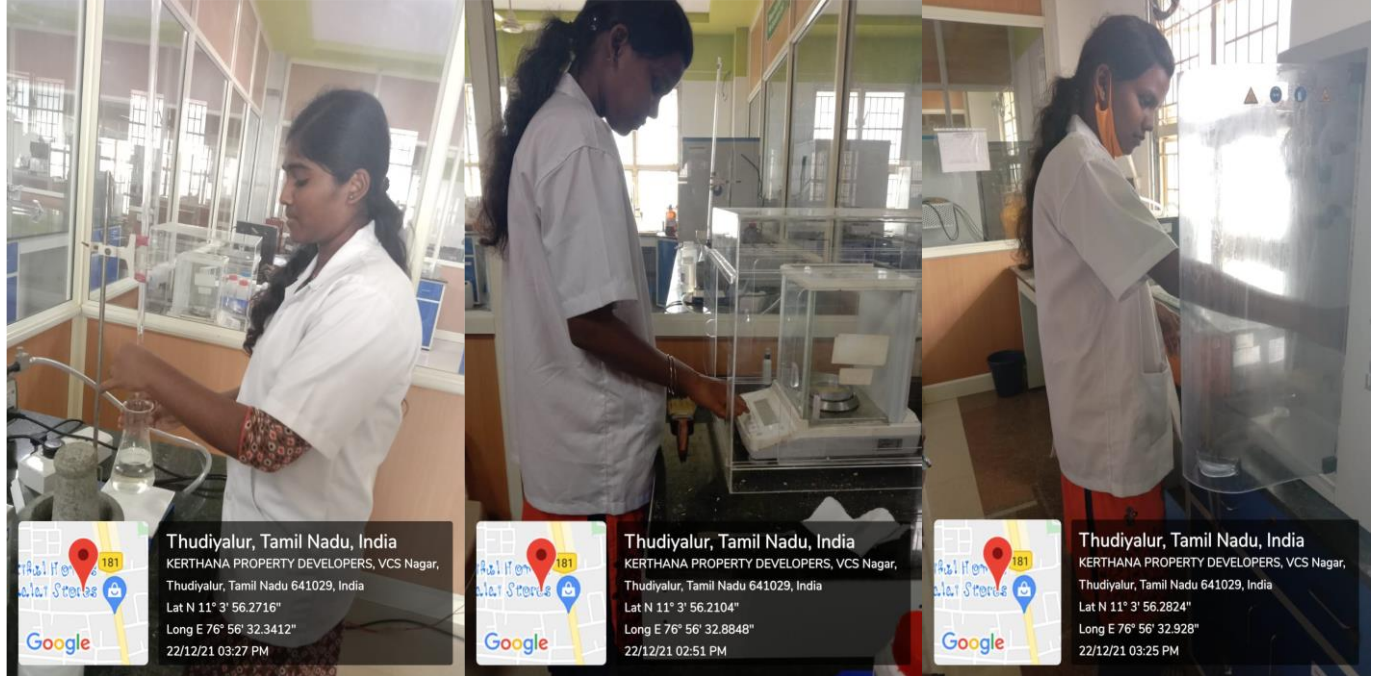
The first day session was started with an introduction about the importance of Food grade safety measures, FSSAI food license certification and microbial analysis. After tea break the following list of instruments and its applications were demonstrated to the students.

1. Hygrometer
2. Soxhlet extractor
3. Refractometer
4. High performance liquid chromatography
5. Photo diode array
6. Fluorine detector
7. Moisture meter
8. Turbidity meter
9. Gas chromatography
10. Digital polarimeter

In the post lunch session the trainer explained about microbial analysis of various microbes. The students were trained on media preparation, Sterilization, sample analysis and Incubation.

The day two sessions was started with hands on training. The students were trained to handle UV spectrophotometer, protein analysis and microbial analysis. The students were also allowed to run HPLC in the analysis of food samples to separate and detect additives and

contaminants. The two day training programme was highly useful to the students for their project work.



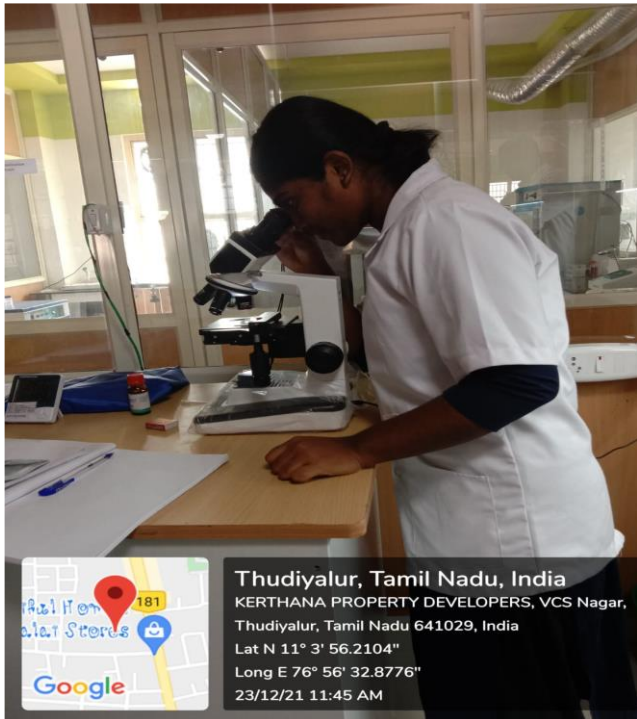


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