



# SHRIMATI INDIRA GANDHI COLLEGE

(Nationally Accredited at “A” Grade (3rd Cycle) by NAAC)

Chatram Bus Stand, Tiruchirappalli – 620002.

## CRITERION - II

### 2.3.1. STUDENT CENTRIC METHODS FOR MICROBIOLOGY

**SHRIMATHI INDIRA GANDHI COLLEGE, TRICHY**  
**Nationally Accredited at 'A' Grade (3<sup>rd</sup> Cycle) by NAAC**  
**DEPARTMENT OF MICROBIOLOGY**

**2.3.1 Experiential Learning**

Experiential Learning is a powerful foundational approach to all forms of learning, development and change.

**Field Visit**

We the Department of Microbiology organised a field trip on biodiversity at Pachaimalli hills on 31.8.2019. In this visit, students enjoyed the nature power and know the importance of Biodiversity and their values.



Department of Microbiology organised a field trip on solid waste management at Sengipatti on 23.10.2019. Students are aware about the soil waste and they understand to manage the waste. And also students come to know about the different types of garbage bins and its colour coding.



## Educational Tours

The Department of Microbiology has organized an Industrial visit to Indian Institute of Bangalore on 25.10.2018. We visited various laboratories such as Biotechnology, Virology and students were gained a lot of practical knowledge.



On the same day, we visited International Centre of Sabic Research, which is a world's largest producer of ethylene and methanol. Students were allowed to handled the instruments like SEM, TEM and XRD.



An Industrial visit to the Aavin milk factory at Karaikudi was arranged on 25.1.2020. Students were enlightened by entire milk processing procedure. Factory had unique machinery and Solar energy generating power plants.



We organised educational tour at National Institute of Food Technology Entrepreneurship and Management, Thanjavur on 07.03.2022. Students gained knowledge about the various pipelines and the food processing units.



## 2.3.2 Participative Learning

### Assignments

As a part of curriculum, the students of Microbiology exhibited their talents through model presentation on the theme “Biowaste management” on 21.12.2019. The models were presented on the topics Biofertilizers, Biogas production, Mushroom cultivation, Spirulina cultivation, Vermicomposting, Facepacks using fruit and vegetable peels.



Students of Microbiology organized an exhibition cum model presentation on the theme “National Science Day” on 1.3.2021 to 2.3.2021. Various forms of presentation like posters, models, charts, demo model, working models were exhibited on the topics Global warming, Human organ system, Fermented foods.



Students of II M.Sc. Microbiology exhibited their models on topics related to Environmental and Agricultural Microbiology in Microbiology Lab on 09.05.2022

