

- **Participative and experiential learning (seminars, workshops, wall magazines, poster presentation, educational tour, field work etc.):**
- The Department of Microbiology, Sammilani Mahavidyalaya in collaboration with Microbiologists Society of India had organised a Food festival named “Microbime Food Festival 2020” on 28th of February 2020. The venue of the festival was at the college campus. The food for this was exclusively fermented food prepared by the students of Semester II and Semester III.
- The Department of Microbiology, Sammilani Mahavidyalaya had organized an industrial visit to Vivekananda Institute of Biotechnology, Nimpith on 2nd December, 2022. The students of Semester V (total 15 of Batch 2020-2023) of Microbiology Honours were taken for this visit along with all the faculty members and laboratory staff of the department. The objective of this industrial visit is to offer the students an insight into the working of a factory or industrial unit. They gain knowledge about large scale productions done in industries and how microorganisms play beneficial role in helping the society by producing various fermented products.
- The Department had organized Laboratory Visit to Department of Life Sciences, Presidency University, Kolkata on 28.09.2022. The primary aim of the event was to imbibe the undergraduate students with the impetus for future research, thereby encouraging them in the process. The visit was under the DST-SERB project under the guidance of Dr Susmita Mondal, faculty of Life Sciences department, Presidency University, Kolkata. 15 students of Semester VI visited the laboratories under the following categories
 1. Integrative biology Lab (Dr. Kousik Pramanick)
 2. Heart Development and Disease Lab (Dr. Santanu Chakraborty)
 3. Cancer Biology Lab (Dr. Nabendu Biswas)
 4. Structural Biochemistry Lab (Dr. Devrani Mitra)
 5. Plant Biotechnology Lab (Dr. Ayan Das)
 6. Cancer metabolism and Therapeutics Lab (Dr. Susmita Mondal)
 7. Microbiology, Nutrition and Dietetics Lab (Dr. Mausumi Sikdar)
 8. Reproductive endocrinology and stem cell biology Lab (Dr. Shampa Sarkar Biswas)
 9. Fly Lab (Dr. Pralay Majumdar)
 10. Plant Genomics Lab (Dr. Malay Das)
 11. Molecular Plant-Pathogen Interactions Lab (Dr. Nazmiara Sabnam)
 12. Solid tumorbiology Lab (Dr. Ranjana Pal)
 13. Cancer Proteomics Lab (Dr. Sutopa Saha)
 14. Molecular Microbiology Lab (Dr. Sugopa Sengupta)
 15. Marine Ecology Lab (Dr. Sumit Mandal)
 16. Transdisciplinary Laboratory of Natural Products and Biomedicines (Dr. Abhijit Dey)

17. Biochemistry Lab (Dr. Sanghamitra Dey)
18. Neurobiology Lab (Dr. Kaushiki Biswas)

- The Department of Microbiology, SammilaniMahavidyalaya had organized an industrial visit to Integrated Rural Development and Management Faculty Centre (IRDM), Ramakrishna Mission Ashrama, Narendrapur on 12th December, 2023. The students of Semester V (total 15 of Batch 2021-2024) of Microbiology Honours were taken for this visit along with all the faculty members of the department.
- The School of Agriculture and Rural Development deals with promoting study and research in subjects that directly benefit the common man, particularly of rural areas and tribals of India. The rural development activities of Ramakrishna Mission Ashrama, Narendrapur which houses the IRDM faculty centre are well known for their integrated approach and emphasis on qualitative development. Plant tissue culture laboratory of IRDM is one of the most promising sectors of modern biotechnology which is very well maintained and established.

The objective of this industrial visit is to offer the students an insight into the working of a factory or industrial unit. They gain knowledge about the large scale productions done in industries and how they are playing beneficial role towards the society.

From this visit at IRDM, the students gained detailed knowledge about:

- Plant Tissue Culture & Micropropagation
- The excursion was an educationally enriching experience for the students which gave them great opportunity to learn deeply about industrial applicability. This also help them realize how the industries have adapted and modified themselves to meet the growing demands of the modern world, and to provide product outputs unique to the industrial plant, hence making them more commercially viable.