

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

VINAYAKA MISSIONS RESEARCH FOUNDATION

(DEEMED TO BE UNIVERSITY)

DEPARTMENT OF BIOTECHNOLOGY

INDUSTRIAL VISIT REPORT

13.8.2018 and 14.8.2018

Faculty members: Dr. R. Devika, Professor & Head
DR. Chozhavendhan. S, Associate Professor
Dr. R. Subbaiya, Associate Professor
Dr. G. Karthiga devi, Assistant Professor

Students : 30 members of third and fourth year

Places visited : 13.8.2018 – Pasteur Institute , Coonoor
Sims Park, Coonoor
14.8.2018 – Doddabetta Peak
Chocolate factory, Ooty
Tea Factory, Ooty
Botanical Garden, Ooty
Eucalyptus oil factory, Ooty
Sightseeing and shopping- Ooty and Coonoor

Day 1- Visit to Pasteur Institute, Coonoor

Overview of the Company

Brief Overview Of Pasteur Institute of India is one of the leading Institute in the production of Anti rabies vaccine and DTP group of vaccines for the expanded programme of Immunization of Govt. of India. This Institute started functioning as Pasteur Institute of Southern India, On April 6, 1907 and the Institute took a new birth as the Pasteur Institute of India and registered as a Society under the societies Registration Act 1860 and started functioning as an autonomous body under the Ministry of Health and Family Welfare, Government of India, New Delhi from the 10th February, 1977. The affairs of the Institute are managed by governing body.

Production

- ❖ DTP group vaccines.
 - DPT Vaccine

- DT Vaccine
- TT Vaccine
- ❖ Vero Cell Derived Rabies Vaccine for Human use.

R & D

- ❖ Cost effective Tissue Culture Rabies Vaccine.
- ❖ Training Programmes to Post Graduate students.
- ❖ Training for vaccine production and testing to Scientists of other Institutions within the country and abroad.
- ❖ Academic Programmes (Bharathiar University, Coimbatore for Ph.D., and Dr. M. G. R. Medical University, Madras for M.D.)
- ❖ Cost Effective Newer Vaccines/Sera.

Other Activities

- ❖ Rabies Diagnostic Laboratory.
- ❖ Dog/Animal bite Treatment Centre (24 hours service for emergency cases).

The Industrial visit was held on 13th August, 2018. Initially there was a presentation on the global and domestic opportunities for the Biotech students & various aspects of the Biotech Industry in India & abroad by Dr. Sivanandha. They also shed light on various steps taken in the direction to flourish the research on antibiotic production and make it compete in the International market. Thereafter the students were taken to the Industrial area to visit the central Library where the materials used by the Pasteur were arranged and then to the Animal study Labs and Research and Development department.

Dr. Sivaananda had addressed to the gathered students communities and explained more detail about the student's internship and project work offered by the institute and their mode of selection for the same.

The students went around the Pasteur Institute museum where they were exposed to antique microscopes, centrifuges, photographic equipments, antibiotic production equipments, autoclaving equipment etc. They were explained about the procedures for the production of anti rabies vaccine with schematic procedures in the institute.

During the Industrial visit the students studied about following points,

- Research and development breakthrough
- Manual and automatic methods
- Validation and testing techniques

- Different equipment used for the production of antibiotics



Day 2 - TEA MUSEUM AND TEA FACTORY, Ooty

After visiting to Doddabetta Peak, students visited a Tea Factory. At the tea factory, they have made the arrangement for visitors to see the process of manufacturing of Tea. Factory staff were very co-operative and explained each and every question of visitors about the manufacturing processes. They have shown each and every step in the manufacturing of Tea. There was a brief explanation (both in English and Tamil) about

the processes and various types of teas available in the market. At the end the students were served with different types of tea of their interest.



EUCALYPTUS OIL FACTORY, Coonoor

The students were taken to a cottage industry production of eucalyptus oil. They were explained both Tamil and Hindi about the types of oil produced from different parts of the plant. Oil which is been produced from roots of the plant has the effective anti pain effect rather than the oil from leaves.

CHOCOLATE FACTORY, Ooty

Ooty's handmade chocolate confectionery has more than forty delicious flavours of chocolate (and yes, free samples are offered to taste). The chocolates are reasonably priced and quite unlike any other you may have tried.

