



**AARUPADAI VEEDU
INSTITUTE OF TECHNOLOGY**
OMR, PAIYANOCOR, CHENNAI - 603104



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



DEPARTMENT OF BIOTECHNOLOGY
INDUSTRIAL VISIT REPORT
INTERNATIONAL INSTITUTE OF BIOTECHNOLOGY & TOXICOLOGY
(IIBT)
13.09.2019

IIBAT is an Indian-owned pesticide manufacturer and then developed to a research centre open to conduct trials from industry and institute in India and abroad. The lab has GLP certified contract organization in the following areas of Toxicology, Analytical Chemistry, Genetic Toxicology, Entamology, Ecotoxicology, etc...

Industrial visit:

On 13.09.2019 we the second, third and fourth year B.E Biotechnology students along with three staff members started from AVIT for Industrial visit to IIBAT and reached by 10:45am. A warm welcome and a brief introduction about IIBT was given by Dr.Vijayalakshmi, Deputy Director, IIBT and the students were taken in batches for the visit by Mr.Baskar and his team.

Genetic Toxicology department was explained by Dr.Ramajeyam, where veterinary experiments were carried out by three assays namely *invivo* micronuclei, reverse mutation and *invitro* chromosomal studies using human peripheral lymphocyte.

Entamology department was explained with the separation of three breeds of anopheles mosquitoes, eggs which causes malaria, dengue in humans. American and German breeds of cockroaches were used for the breeding and experimental purpose was demonstrated. Earthworm and honey bee were also used for testing various genetic transmissions under controlled condition.

Analytical Chemistry was briefed by Dr.Thirugnanam, where HPLC is used for various sample analysis in commercial and also for research analysis. Dr.Selvam, Pathologist briefed about the histopathology, tissue processing using microtome, different organs of rats were demonstrated lively processing using microtome.



