

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
VINAYAKA MISSIONS RESEARCH FOUNDATION
DEPARTMENT OF BIOTECHNOLOGY
INDUSTRY VISIT REPORT
TICEL BIOPARK -CHENNAI -14-8-2024



Students participated – II-Year, III -Year and IV- Year Biotechnology

Faculty Incharge: Dr.A.Nirmala, Associate Professor and Head,

Non-Teaching Faculty: S.Salome

INDUSTRIAL VISIT REPORT

The industrial visit was organized as part of our academic curriculum at the Department of Biotechnology, AVIT, Paiyanoor, to TICEL Biopark, Chennai on 14.8.2024 and it proved to be an immensely informative and enlightening experience for all the participants (both the students and faculties).

ABOUT THE COMPANY:

Tamilnadu Industrial Development Corporation Limited (TIDCO) in association with TIDEL Park Limited had developed TICEL Bio Park Limited (TICEL) for providing infrastructure facility for Biotechnology / Pharmaceutical Research & Development activities at Taramani, Chennai.

TICEL Bio Park - Phase - I

TICEL Phase I comprises of 1,42,000 sq.ft of built up space developed at a cost of Rs.54.00 crore, which is operational from November, 2004.

TICEL Bio Park - Phase II

Subsequently, TICEL developed Phase II with 6,49,000 sq.ft of build up space at a cost of Rs. 168.00 crore which was operational from September, 2015

Biotechnology Core Instrumentation Facility (BTCIF) at TICEL - II, Chennai

BTCIF was established jointly by TICEL and Department of Biotechnology, Government of India for providing Scientific supports at cost of Rs. 19.3 Crores

Sectors Covered

The larger objective of the venture is to facilitate a hassle-free functional space for enterprises operating in the domains of Biotechnology, Pharmaceuticals, IT/ ITES, BIO-IT, Nano -technology ect.,

We have started from our college campus at 9.0 am with prayer song, reached the TICEL Biopark at 10.45 am. All the students were assembled in the auditorium. Initially there was warm welcome by Dr.Vinoth kumar, Excutive (Bioprocess), TICEL biopark, Chennai,



He explained to the students about current research work in industry, basic needs to establish our own business, various government funding schemes to become entrepreneur, basic skills required

to work in Bio industry, major equipment available in incubation centre, Facilities, critical and logical thinking ability etc.



After that, students were split it in to three group , they have visited the lab facilities and major equipment available like PCR, RT-PCR, DNA sequencer, Lab scale Fermenter, large scale fermenter, Homogenizer, CO₂ incubator, Lyophilizer, Electrophoresis unit, Gel documentation system, Sonicator, Ultra filtration & Micro filtration cassettes, chromatography techniques, UPLC, Flow cytometer, many more, their principle and working mechanism, sample preservation methods, sterilization methods was well explained by Mr.Vinoth kumar.



At the outset the students were able to understand the importance, principle, applications of various major equipment used in Biotechnology field. The trip had come to an end, students were happy by educating them, with scope and future of Biotechnology in the field of medicine, technology and also how it benefits to society. At the end of the session vote of thanks was given by Dr.A.Nirmala , Associate Professor and Head, Department of Biotechnology, AVIT. We have started from TICEL biopark at 2.40pm reached the college campus safely at 4.15 pm

