

**VINAYAKA MISSION'S RESEARCH FOUNDATION
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**

Department of Biotechnology

Industrial Visit to Micro Therapeutic Research Labs (MTRL), Chennai -22.07.2025

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Students: II year, III year and IV year (56 students)

An industrial Visit was organized by Department of Biotechnology, Aarupadai Veedu Institute of Technology for II, III and Final year students of Biotechnology to Micro Therapeutic Research Labs (MTRL), Chennai on 22.07.2025. There are 56 students and 2 faculty members started from AVIT campus at 9 am and reached the industrial premises at 10.10 am. The entry formalities were completed and without any further ado visit started with the brief history about the industry. This Micro Therapeutic Research Labs (MTRL) is been operated since 2006. After completing the entry formalities, the visit began with a brief introduction about MTRL by Director, it is a renowned Clinical Research Organization (CRO) specializing in Bioavailability/Bioequivalence (BA/BE) studies and bioanalytical services.



The students were taken to various departments, including Bioanalytical, Clinical Trials, and state-of-the-art LC-MS/MS & GC-MS/MS labs. The faculty briefed the students on the entire process,

starting from sample collection, method development, validation, and analysis. The students gained insights into BA/BE studies, advanced mass spectrometry techniques, and regulatory compliance in pharmaceutical development.



The visit provided a real-time exposure to the industry's operations, showcasing MTRL's commitment to quality research and sustainable practices. The students appreciated the opportunity to witness the industry's processes and equipment, gaining valuable industry exposure.

Based on the visit, we recommend that MTRL consider collaborating with academic institutions to provide students with hands-on training and research opportunities. This would enable students to gain practical experience and develop skills relevant to the industry.



Last but not least, we were being taken to the research laboratory where quality control and quality analysis was briefed. Finally, we completed the visit with lunch at 2 pm and reached the college premises at 3.20 pm.