



ADHI
COLLEGE OF ENGINEERING & TECHNOLOGY

No.6, MunuAdhi Nagar, Sankarapuram, Near Walajabad,
KanchipuramDist – 631 605. Ph: 044 – 2729 0096

INDUSTRIAL VISIT REPORT ON PLASTICS PROCESSING AND TESTING CENTRE AT CIPET, CHENNAI

Date of Visit: 28-02-2017 and 01-03-2017

About **76 Students of Second Year Mechanical Engineering** visited the plastic processing and testing centre at CIPET in Chennai. Conventional processing machines and modern microprocessor controlled processing machines are present at CIPET for producing different plastic structures.

The students group started from ACET campus at 11.50 a.m. and reached the CIPET campus at 1.30p.m.

Training In-charge Address:

The training in-charge of CIPET, **Mr. A. Sakthivel**, addressed the students at conference hall and enlightened them with a welcome speech and explained about importance of plastics, applications, various polymer materials and recycling of plastics to the students. In addition, he elucidated the various processes involved in the CIPET with work flow chart and also, highlighted the career opportunities and growth in the polymer areas.

Students were divided into two batches and they were taken to tool room, compression moulding unit, blow moulding unit, injection moulding unit and testing unit.

Plant Visit: Students visited various units in CIPET and learned about:

1. Various plastic materials and their applications
2. Different moulding machine for plastic processing
3. How to maintain a thickness of plastic material
4. Feeding of plastic granules into the machine
5. Curing time of various plastics
6. Various temperatures maintained in screw type compression moulding machine
7. Injection and manual blow moulding operations
8. Film blowing processes

ANNEXURE B

Testing Laboratory: The students then visited the testing laboratory where, students were taught how to test the mechanical, thermal and chemical properties of various plastics materials experimentally, and also demonstrated how to conduct the UTM, Stiffness test and various testing operations.

Photos:



IInd Year Students with Faculty



Session handled by Mr. V. Murugesh / Tool room In-charge

ANNEXURE B



Students at plastics testing area



Students at the CIPET Entrance