

TCTD Course Structure

Title of the course: CL 724

Faculty in charge: Prof. Arindam Srkar and Prof. Santosh Noronha.

Associate faculty for lectures and lab sessions:

Semester : Jan to Apr

Structure of course

The basic components of course are:

1. Lectures: Fundamentals of need, innovation, technology, design, development and deployment - to be covered in about 8 lectures (4 in Jan and 4 in Feb) in first two months semester.
2. Lab : Manufacturing machine/equipment training, hand on practice on the machines - to be covered in 8 lab sessions (4 in Jan and 4 in Feb) and extra practice sessions (with individual student's convenience) in first two months of semester. The students will get trained to use the fabrication machines and develop basic skill so that they should be able to build a working prototype
3. Mini project : identified by a group (of 3 to 5) of students based on need assessment and clearly defined problem statement. Project work should include definition of problem - scope of work - plan to meet objective - production of working unit (fabrication of prototype) - testing, demonstration and assessment of its performance - preparation and presentation of report and business plan. The project has to be completed in two month preferably in TATA Lab or other Labs on the campus. Students are expected to learn to operate different fabrication machines and tools and complete project on their own.
4. Guest lectures from visiting faculty/resource persons.