

OBJECTIVES AND COURSE CONTENT OF SHORT-TERM COURSES

Operational Plan No.	AS-6
Name of the Course	Newer Experiments in Applied Physics (04 - 08 August 2025)
Objectives of Course	The objective of the course is to train teachers and technical staff from Polytechnics and Engineering colleges to improve applied physics laboratories in their respective institutions. The emphasis, therefore, will be to enable the participants to study in detail and discuss with NITTTR faculty for the improvement and addition of new experiments to be included in the polytechnic and engineering college as per model curriculum.
Course Content	Role of laboratory in physics teaching; Physical world and measurements; Error estimation in measurements; Graphical representation of data; Need and relevance of calibration, quality and testing; Performing physics experiments; Newer laboratory experiments; Use of computers in physics laboratory; Preparing worksheets and models for Lab. Experiments etc.
Name of Course Coordinators E-mail ID Contact Number	Dr. BC Choudhary bcc1962@nitttrchd.ac.in , Ph: 0172-2759556, Dr. Pankaj Sharma pankaj@nitttrchd.ac.in , Ph: 0172-2759751 Dr. Ashok Kumar, Ashokku@nitttrchd.ac.in , Ph. 0172-2759772