

Objectives and Course Content of Short Term Courses

Operational Plan No.	AS-7
Name of the Course	Laboratory Organization and Practices in Applied Physics
Objectives of Course	The objective of the course is to train polytechnic and engineering college teachers to improve physics laboratories in their respective institutions. The emphasis, therefore, is to enable the participants to study in detail and discuss with NITTTR faculty for the improvement and addition of new experiments included in the engineering colleges/polytechnics' syllabi.
Course Content	Role of laboratory in physics teaching; Physical world and measurements; Error estimation in measurements; Graphical representation of results; Performance of physics experiments; Use of computers in physics experiments; need of calibration and testing and Design of working models in applied physics for teaching difficult physical concepts.
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