

## Objectives and Course Content of Short Term Courses

Operational Plan No.	AS-12
Name of the Course	Advanced Optimization Techniques
Objectives of Course	The objective of this course is to give relevant knowledge about optimization techniques, theoretical aspects and their uses in engineering fields
Course Content	The course will cover contents related to- Optimization Techniques- Introduction, Linear Programming Problems, Graphical Method, Simplex Method,, Natured Inspired OT, Particle swarm optimization, Optimization with MATLAB, Demonstration of LINGO and Mathematica software Advanced OT and Use of OT in engineering problems, Numerical illustrations and assessment etc.
Name of Course Coordinator with E-mail ID and Contact Number	Dr. KC Lachhwani <a href="mailto:Kailashclachhwani@yahoo.com">Kailashclachhwani@yahoo.com</a> 092144-60018