

## Objectives and Course Content of Short Term Courses

Operational Plan No.	CE-19
Name of the Course	Concrete Lab. Practices
Objectives of Course	<ul style="list-style-type: none"><li>• The course shall aim ongoing theoretical inputs to understand the physical properties of various ingredients of concrete as per latest BIS codes.</li><li>• The testing procedures for laboratory experimentation through video programmes shall be presented.</li><li>• The participants shall be exposed to understand how the inferences for various tests has to be made and their field applications in modifying the proportions.</li><li>• Difference between nominal and controlled concrete mix design practices shall be highlighted for better field control.</li></ul>
Course Content	<ul style="list-style-type: none"><li>• Testing of cement, coarse and fine aggregate</li><li>• Testing of concrete in fresh and hardened state</li><li>• NDT techniques for testing of hardened concrete</li><li>• Implementation of concrete mix design for casting concrete cubes.</li></ul>
Name of Course Coordinator with E-mail ID & Contact Number	Dr. Hemant Sood Professor & Head, Civil Engineering Department e-mail : sood_hemant@yahoo.co.in 0172-2759565, 09815811662