

## Objectives and Course Content of Short Term Courses

Operational Plan No.	CE-11
Name of the Course	Construction and Maintenance of Black Top Pavements
Objectives of Course	<ul style="list-style-type: none"> <li>• To familiarize about various types of Highway Construction.</li> <li>• To appraise about optimization of Sub-grade and methods of construction of it.</li> <li>• To appraise about specifications of works for granular mixes like GSB, WMM etc.</li> <li>• To appraise about specifications of works for bituminous mixes like B.M, D.B.M, SDBC, BC etc.</li> <li>• To appraise about methods of construction of bituminous mixes</li> <li>• Special construction like mastic asphalt</li> <li>• Understand about operations of Stabilization</li> <li>• Appraise about Hot Mix Plant operation</li> <li>• List down various aspects in flexible pavement</li> </ul>
Course Content	<ul style="list-style-type: none"> <li>• Types of Highway Construction</li> <li>• Specifications of G.S.B, W.B.M</li> <li>• Specification for DBM, BC, SDBC</li> <li>• Specification for Mastic Asphalt</li> <li>• Operations of Paver, Hot Mix Plant</li> <li>• Stabilization of Soil</li> <li>• Types &amp; causes of various defects</li> <li>• Identify causes of various types of failures</li> </ul>
Name of Course Coordinator with E-mail ID & Contact Number	<p>Er. Ajay Kumar Duggal  Associate Professor  Civil Engineering Department  e-mail : duggal_ajay@rediffmail.com  0172-2759564, 9815752256</p>