

Objectives and Course Content of Short Term Courses

Operational Plan No.	CE-13
Name of the Course	Evaluation and Rehabilitation of Pavements
Objectives of Course	<ul style="list-style-type: none"> • To list down the parameters for evaluation • To appreciate the process of acquiring and normal deterioration of pavements • To know techniques of measurement of types and extent of cracks, undulations and other surface defects • Make a condition survey of the road • Differentiate between renewal and strengthening • List techniques of evaluation of strength of flexible pavement • Perform Benkelman Beam Test on Pavements • Interpret the Benkelman Beam Data and design overlay using IRC-87 recommendations • Perform D.C.P.T. • Measurement of roughness by Bump Integrator
Course Content	<p>Theory:</p> <ul style="list-style-type: none"> • Condition Survey • Types of Defects and their examination • Evaluation techniques of strength of Flexible Pavements <p>Practical/Field Work:</p> <ul style="list-style-type: none"> • Benkelman Beam Test (field) • Dynamic Core Penetration Test <p>Design:</p> <ul style="list-style-type: none"> • Design of overlay by Benkelman Beam Method
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>