

COURSE CONTENTS

1. Introduction to Bituminous Binder: (Types, Process, Grades, Specifications, Applications)
2. Overview of Bitumen test Methods as per BIS/IRC
3. Bitumen Emulsion Test Methods
4. Practicals
 - Lab demonstration of Air Blowing Process
 - Hands on Experience Penetration Test
 - Softening Point Ductility
 - Elastic Recovery
 - Hands on Experience on Kinematic & Absolute Viscosity Tests
 - Hands on Experience on
 - Flash Point Point Test
 - Specific Gravity
 - Hands on Experience on Lab Test. Solubility, Ageing Index
 - Hands on Experience on Rolling Thin Film Oven Test (RTFO) Test
 - Practical Approach for Optimization process parameters for Modified Bitumen
 - Hands on Experience on Rheology Study of Bitumen using Dynamic Sheer Rheometer (DSR)
5. Technical Discussion