

FDP-23	DESIGN OF RCC STRUCTURES (2 WEEKS)	03.12.2018 To 14.12.2018
<p>OBJECTIVES:</p> <ul style="list-style-type: none"> ➤ To appreciate the evolution and philosophy of Limit State Design including quality control aspects. ➤ To design the structural elements by Limit state Method, as per IS 456 – 2000, for bending, shear, bond, anchorage axial forces and torsion. ➤ To check the adequacy for serviceability requirements like deflection and cracking ➤ To execute proper detailing for R.C.C Structural elements. <p>PARTICIPANTS:</p> <p>Newly recruited Teachers of Civil Engineering and allied branches. (Min.15 and Max 30) (The participants are requested to bring relevant IS codes and Calculator)</p> <p>INPUT:</p> <p>RCC Design – Evolution and philosophy of LSD – Design of beams, slabs, columns and footings by LSD – Bending , shear, bond, anchorage, axial forces and torsion considerations – serviceability – Deflection and cracking – Detailing - Analysis and Design of Deck slab – Load distribution on girders – Fundamentals of flow – Design of canals and weirs – Design of energy distribution structures</p> <p>PROCESS:</p> <ul style="list-style-type: none"> ➤ Lecture cum discussions. ➤ Tutorials ➤ Computer package demonstration. ➤ Field visit <p>OUTPUT:</p> <p>Enhanced knowledge and competencies in applying Limit State Design principles for concrete structural elements.</p> <p>RESOURCE PERSONS:</p> <ul style="list-style-type: none"> ➤ Dr. R. Santhakumar ➤ Guest faculty 		
COORDINATOR	VENUE	LAST DATE FOR RECEIPT OF APPLICATIONS
Dr. K.S.A. Dinesh Kumar	NITTTR , Chennai	15 days prior to the start of the programme