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| <b>FDP-239</b>   | <b>Design of RCC Structures for Newly recruited Teachers (2 weeks)</b> | <b>26.02.2018 to 09.03.2018</b>              |
| <p><b>OBJECTIVES:</b></p> <ul style="list-style-type: none"> <li>➤ To appreciate the evolution and philosophy of Limit State Design including quality control aspects.</li> <li>➤ To design the structural elements by Limit state Method, as per IS 456 – 2000, for bending, shear, bond, anchorage axial forces and torsion.</li> <li>➤ To check the adequacy for serviceability requirements like deflection and cracking</li> <li>➤ To execute proper detailing for R.C.C Structural elements.</li> </ul> <p><b>PARTICIPANTS:</b></p> <p>Newly recruited Teachers of Civil Engineering and allied branches.<br/><i>(The participants are requested to bring relevant IS codes and Calculator)</i></p> <p><b>INPUT:</b></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><b>PROCESS:</b></p> <ul style="list-style-type: none"> <li>➤ Lecture cum discussions.</li> <li>➤ Tutorials</li> <li>➤ Computer package demonstration.</li> <li>➤ Field visit</li> </ul> <p><b>OUTPUT:</b></p> <p>Enhanced knowledge and competencies in applying Limit State Design principles for concrete structural elements.</p> <p><b>RESOURCE PERSONS:</b></p> <ul style="list-style-type: none"> <li>➤ Dr. R. SanthaKumar</li> <li>➤ Guest faculty</li> </ul> |  |  |
| <b>Coordinator</b>   | <b>Venue</b>   | <b>Last date for receipt of applications</b> |
| Dr. K.S.A. Dinesh Kumar  | NITTTR, Chennai  | 15 days prior to the start of the programme  |