

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Civil Engineering, VII-Semester

CE704- Prestressed Concrete Structures Lab

Prestressed Concrete Design

List of Tutorials:

Based on Syllabus students shall perform following.

1. Fabrication, casting and testing of simply supported prestressed concrete beam/slab (pres-tensioned or post-tensioned) for strength and deflection behaviour.
2. Fabrication, casting and testing of beam/slab (pres-tensioned or post-tensioned) with different layout of cables for strength and deflection behaviour
3. Fabrication, casting and testing of various prestressed structures as per contents given in the syllabus
4. Minimum 15 problems from above topics along with cross checking using any open-source / professional software.
5. Modeling and analysis of at least one real-life structure using open-source/ professional software