

**Faculty of Civil Engineering**  
**M.E. Structural Engineering**  
**REGULATIONS 2021 Semester: I**

<b>Course Code: ST4161</b>		
<b>Course Title: Advanced Construction Engineering and Experimental Techniques Laboratory</b>		
<b>Sl. No.</b>	<b>Description of Equipment</b>	<b>Required numbers (for batch of 25 students)</b>
1	Ultrasonic flaw detector	1
2	Four probe apparatus	1
3	Ultrasonic interferometer	1
4	Sodium vapour lamp	1
5	Co-ordination microscope with Longitudinal and transverse movement	2
6	Ammeter	1
7	Voltmeter	1
8	Screw gauge	2
9	Vernier caliper	2
10	Electroscope	1
11	Spectroscopy	1
12	Proving Ring	1
13	LVDT	1
14	High frequency generator	1
15	Concrete Compression Testing Machine	1
16	L box apparatus	1
17	J Box apparatus	1

18	V funnel apparatus	1
19	Slump Cone	2
20	Core cutter	1
21	Ultrasonic Pulse Velocity	1
22	Rebound Hammer	1
23	Concrete Permeability Test Apparatus	1