

**Course Name: Software Testing Lab, Course id: CS7304, MCA 3rd Year (Odd Semester)**

**Course Plan**

<b>LAB No.</b>	<b>Week No.</b>	<b>Date</b>	<b>Day</b>	<b>Time</b>	<b>Activities</b>
LAB 1	0	9 Sep	Wednesday	1:30-4:00	To understand and use <b>TCase</b> (a Black-Box tool)
LAB 2	1	16 Sep	Wednesday	1:30-4:00	To understand and use <b>Selenium</b> (a Web App tool)
LAB 3	2	23 Sep	Wednesday	1:30-4:00	To understand and use <b>Jabuti</b> (a White-Box Coverage based tool)
LAB 4	3	30 Sep	Wednesday	1:30-4:00	To understand and use <b>Jumble</b> (a White-Box Fault based tool)
LAB 5	5	7 Oct	Wednesday	1:30-4:00	To understand and use <b>Clang, Infer, and Framma-C</b> (Static analysers)
LAB 6	8	14 Oct	Wednesday	1:30-4:00	
LAB 7	9	28 Oct	Wednesday	1:30-4:00	To understand and use <b>KLEE, Tracer-X</b> (Dynamic Symbolic Executors)
LAB 8	10	4 Nov	Wednesday	1:30-4:00	
LAB 9	11	11 Nov	Wednesday	1:30-4:00	To understand and use <b>AFL</b> (a security testing and fuzzing tool)
LAB 10	12	18 Nov	Wednesday	1:30-4:00	
LAB 11	13	25 Nov	Wednesday	1:30-4:00	To understand and use <b>CBMC</b> (a verifier)
LAB 12	14	2 Dec	Wednesday	1:30-4:00	To understand and use <b>JMeter</b> (a system testing tool to report load and stress)