

**Course:** Unix System Programming and Compiler Design

**Scheme : 2010**

Course Code: (10CSL68)

**Sem : 6**

	Course Outcome	POs/ PSOs	CL	Class Sessions (approximate)	Tutorial (Hrs)	Lab Sessions (Hrs)
CO1	Implement POSIX compliant programs to check different configuration limits and supported feature test macros.	PO1/ PSO2	AP	NA	NA	6
CO2	Understand the concepts of locking, unlocking files using different UNIX APIs and the race condition.	PO1/ PSO2	U	NA	NA	6
CO3	Demonstrate how interprocess communication takes place between two processes using mkfifo API and the setup of interval timer using alarm() API.	PO1/ PSO2	U	NA	NA	6
CO4	Understand the Environment variables, emulate UNIX ln command and system() API using different UNIX API's.	PO1/ PSO2	U	NA	NA	9
CO5	Implement the creation, verification and avoidance of a zombie process by forking twice.	PO1/ PSO2	AP	NA	NA	6
CO6	Implement the syntax-directed definition for IF statements and to generate the parse tree from the given regular expression.	PO1/ PSO2	AP	NA	NA	9
Total Hours of instruction						42