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| **Module No.** | **List of Experiments** | **CO** | **Eval** | **Dates** | **Marks** |
| **1.** | History of UNIX, Introduction, UNIX file system, Executing commands & options | CO1 | Eval1 | 19-24 Aug 2019 | 10 |
| **2.** | UNIX Processes, Process Utilities, Pipes and Signals | CO2 | **Lab Test 1** | 23-28sept 2019 | 20 |
| **3.** | File Handling, File commands, Basic Filters (cat, head, tail, sort, uniq), Use of Regular Expressions, Field Matching, grep, fgrep, egrep | CO2 | Lab Test 1 |  |  |
| **4.** | Advanced Pattern Matching, Stream-oriented & Non-Interactive Text Editor (Sed), Programmable Filters, Awk, Gnu Awk (Gawk), Text Processing, Practical Extraction and Report Language (Perl) | CO3 | Eval 2 | 4-9 Nov 2019 | 20 |
| **5.** | UNIX Scripting, Variables, Naming Conventions, Conditional Constructs, Looping Statements, Arrays, Functions, Document Handling, Quoting, Arithmetic Operations & Executions, Parsing | CO4 | Eval 2 |  |  |
| **6.** | UNIX Administration, Overview of Linux, Login Process, Users & Permission (chmod, su, mount, cron, NFS), Process Management | CO5 | **Lab Test 2** | 18-23 Nov 2019 | 20 |
| **7.** | Projects, Application-based Extensions, Security | CO5 |  | 18-23Nov 2019 | 10 |

Lab File :10 Marks

Attendance :10 Marks