COURSE CODE:	**IGIT– 602-CR14**
COURSE TITLE:	**UNIX AND SHELL PROGRAMMING**
CREDITS	**4 + 2 =06**

UNIT – I

Unix: Introduction, features of Unix, BasicArchitecture, features of Kernel and Shell. Unix File system.:Bootblock, super block, Inode table, data blocks, How Unix/Linux kernel access files, Internal and External Commands, command structure, General purpose utilities like cal, date, echo, bc, tty, who, passwd, uname,Mathematical commands

UNIT -II

The File system,commands for files and directories, creating and viewing files, handling ordinary files, Basic file attributes, Introduction to vi editor,vi basics and navigation,Repeating last command, Pattern Searching and substitution.

UNIT -III

Introduction to the shell, pattern matching, wild card characters, Redirection, Two special files /dev/null and /dev/tty,Unix process management commands, process creation, job control, priority,premature terminationof process, customizing the environment, simple filter and pipe commands, filters using regular expressions

UNIT -IV

Introduction to Shell programming, shell scripts, making shell scripts interactive, computation and string handling, use of loops, debugging shell scripts, Introduction to system administration, user management, startup and shutdown, managing disk space, handling security

Recommended Books:

1. Unix concepts and Application- Sumitabha Das-Tata McGraw Hill
2. Using Linux – David Bandel and Napier – Pearson Education
3. Unix Shell Programming Yashavant P. Kanetkar, BPB Publications
4. Unix: The Complete Reference Kenneth,Dr.Douglas ,Richard R Rosinski, McGraw Hill Edu.