

**ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY, CHIRALA
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LECTURE SCHEDULE**

**Subject: UNIX PROGRAMMING
Name: P.VENKATA NARAYANA
No. of Lectures per Week: 5+1* (Tutorial)**

**Academic Year: 2019 – 2020
Year & Sem/Section: III - I 'B'**

S. No.	Date	Unit No.	Topics to be Covered
1	10-06-19	UNIT-1	Introduction to unix -Brief History
2	11-06-19		What is Unix
3	12-06-19		Unix Components
4	13-06-19		Using Unix
5	15-06-19		Commands in Unix
6	15-06-19		Some Basic Commands: echo, tput, tty, who
7	17-06-19		Some Basic Commands: uname, date, cal, calendar,
8	18-06-19		Some Basic Commands: lock, banner,cat, bc,spell
9	19-06-19		Command Substitution
10	20-06-19		Giving Multiple Commands
11	22-06-19		Revision With PPT
12	22-06-19		Tutorial
13	24-06-19		Slip test -I
14	25-06-19	UNIT-2	The File system –The Basics of Files
15	26-06-19		What's in a File
16	27-06-19		Directories and File Names
17	29-06-19		Permissions
18	29-06-19		Tutorial
19	01-07-19		I Nodes
20	02-07-19		The Directory Hierarchy
21	03-07-19		The File Command knowing the File Type
22	04-07-19		The Chmod Command Changing File Permissions
23	06-07-19		The Chown Command Changing the Owner of a File
24	06-07-19		Tutorial
25	08-07-19		Chgrp Command Changing the group of a File
26	09-07-19		Revision With PPT
27	10-07-19		Slip test -II
28	11-07-19	UNIT-3	Using the Shell- Introduction
29	15-07-19		Command Line Structure
30	16-07-19		Meta characters
31	17-07-19		Meta characters
32	18-07-19		Creating New Commands
33	20-07-19		Command Arguments and Parameters
34	20-07-19		Tutorial
35	22-07-19		Program Output as Arguments
36	23-07-19		Shell Variables
37	24-07-19		More on I/O Redirection
38	25-07-19		More on I/O Redirection
39	27-07-19		Looping in Shell Programs
40	27-07-19		Tutorial
41	29-07-19		Revision With PPT
42	30-07-19		Revision
43	31-07-19		Revision
44	01-08-19		Revision
45	03-08-19		Revision
46	03-08-19	Revision	
47	05-08-19	MID-I	Revision
48	06-08-19		Revision
49	07-08-19		Revision
50	08-08-19		Revision
51	10-08-19		Revision
52	10-08-19		Revision
53	13-08-19	UNIT-4	Filters -The grep Family
54	14-08-19		egrep, fgrep
55	17-08-19		Other Filters: ls, sort
56	17-08-19		Other Filters: comm, tr
57	19-08-19		The Stream Editor Sed
58	20-08-19		The Stream Editor Sed
59	21-08-19		The AWK Pattern Scanning and processing Language
60	22-08-19		The AWK Pattern Scanning and processing Language
61	26-08-19		The AWK Pattern Scanning and processing Language

62	27-08-19		Good Files and Good Filters.	
63	28-08-19		Revision with PPT	
64	29-08-19		Slip Test-III	
65	31-08-19	UNIT-5	Shell Programming -Shell Variables	
66	31-08-19		Tutorial	
67	03-09-19		The Export Command, The Profile File	
68	04-09-19		The First Shell Script	
69	05-09-19		The read Command	
70	07-09-19		Positional parameters	
71	07-09-19		Tutorial	
72	09-09-19		The \$? Variable knowing the exit Status- the Set	
73	11-09-19		Branching Control Structures, exit command	
74	12-09-19		Loop Control Structures	
75	16-09-19		The Continue and Break Statement-The Expr Command	
76	17-09-19		The here Document(<<)-The Sleep Command-	
77	18-09-19		Debugging Scripts-The Script Command	
78	19-09-19		The Eval Command-The Exec Command	
79	21-09-19		Revision with PPT	
80	21-09-19		Tutorial	
81	23-09-19		Slip Test-IV	
82	24-09-19		UNIT-6	The Process -The Meaning
83	25-09-19			Parent and Child Processes
84	26-09-19	Types of Processes		
85	28-09-19	More about Foreground and Background processes		
86	28-09-19	Tutorial		
87	30-09-19	Internal and External Commands		
88	01-10-19	Process Creation		
89	03-10-19	The Trap Command		
90	05-10-19	The Stty Command		
91	05-10-19	The Kill Command		
92	07-10-19	MID-II	Revision	
93	09-10-19		Revision	
94	10-10-19		Revision	
95	12-10-19		Revision	
96	12-10-19		Revision	

TEXT BOOKS:

1. The Unix programming Environment by Brain W. Kernighan & Rob Pike, Pearson.
2. Introduction to Unix Shell Programming by M.G.Venkateshmurthy, Pearson.

REFERENCE BOOKS:

1. Unix and shell programming by B.M. Harwani, OXFORD university press.

FACULTY MEMBER

HEAD OF THE DEPARTMENT