

## LINUX MODULE - 1

SI.NO	SCHEDULE	SYLLABUS
1	DAY 1	<b>INTRODUCTION</b>
		About OS Architecture
		Introduction to RHEL/CentOS
		Installation procedure
2	DAY 2	<b>BASIC COMMANDS</b>
		(mkdir, pwd, cal, cd, touch, rm, ls, Etc..)
3	DAY 3	<b>FILE HIERARCHY</b>
4	DAY 4	<b>VI TEXT EDITOR</b> (grep, pipe, head, tail, less, more)
5	DAY 5	<b>MAKING LINKS BETWEEN FILES</b>
		(ln, ln-s)
6	DAY 6	<b>MANAGING LOCAL USERS AND GROUPS</b>
		(su, useradd, usermod, passwd, userdel, groupadd, groupmod, gpasswd)
7	DAY 7	<b>SUDOERS &amp; PASSWORD MANAGEMENT</b>
		(sudo, chage)
8	DAY 8	<b>CONTROLLING ACCESS TO FILES</b> (File permissions, ownership, umask)
9	DAY 9	<b>SPECIAL PERMISSIONS</b>

<b>10</b>	<b>DAY 10</b>	<b>ACL PERMISSIONS</b>
<b>11</b>	<b>DAY 11</b>	<b>CONFIGURING SSH &amp; SSH-KEY-BASED AUTHENTICATION</b>
<b>12</b>	<b>DAY 12 &amp; DAY 13</b>	<b>TUNING SYSTEM PERFORMANCE</b>
		Killing Processes (kill, pgrep, pkill)
		Monitoring Process Activity (top, jobs, uptime, lscpu, nice)
<b>13</b>	<b>DAY 14</b>	<b>CONTROLLING SERVICES AND THE BOOT PROCESS</b>
<b>14</b>	<b>DAY 15</b>	<b>ARCHIVING &amp; TRANSFERRING FILES</b>
<b>15</b>	<b>DAY 16</b>	<b>ANALYZING &amp; STORING LOGS</b>
<b>16</b>	<b>DAY 17 &amp; DAY 18</b>	<b>INSTALLING AND UPDATING SOFTWARE PACKAGES</b>
		RPM, YUM, DNF
		CREATE YUM REPO
<b>17</b>	<b>DAY 19 &amp; DAY 20</b>	<b>MANAGING NETWORKS</b> (nmcli, nmtui, hostname)

## **LINUX MODULE - 2**

<b>SI.NO</b>	<b>SCHEDULE</b>	<b>SYLLABUS</b>
<b>18</b>	<b>DAY 21</b>	<b>MANAGING BASIC STORAGE</b>
		ADDING NEW DISK
		CREATING PARTITION
		ASSIGNING FILE SYSTEMS
		MOUNT & UMOUNT
<b>19</b>	<b>DAY 22</b>	<b>SWAP</b>
<b>20</b>	<b>DAY 23</b>	<b>LVM</b>
<b>21</b>	<b>DAY 24</b>	<b>SCHEDULING FUTURE TASKS</b>
		CRON JOB
		AT JOB
<b>22</b>	<b>DAY 25</b>	<b>I/O REDIRECTION FIND COMMANDS</b>