**Shri G.S. Institute of Technology and Science, Indore**

**Department of Computer Engineering**

**ME 1yr**

**Lab Assignment #2**

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| 1. | Shell Programming:   1. Write a shell program which displays the last 3 lines of a file (specified on the command line), preceded by the file name. 2. Write a shell program which accepts a string from terminal, echoes a suitable message if it doesn’t have at least 10 characters. 3. Write a shell function size () which lists the total size of the files given as arguments. 4. Write a shell program to print the names of the files in a given directory in ascending order (directory name specified as argument). 5. Write a shell program to find the frequency of occurrence of a specified word, in a specified file (file and word specified as command line argument ex. $f.sh a.txt main). 6. Write a shell program to display the values of common environment variables in Linux and append new path to PATH environment variable; path taken as an input from user. 7. Write a shell program to find out the factorial of given number. 8. Write a shell program to find the ‘type’ of a given file (readable, writable, executable, and directory). 9. Write a shell program to accept the percentage marks of the students and then display the division. Use case statement for the same. 10. Write a shell program to copy the contents of an array to another array and also display the same. |

**(Subject Incharge)**