**INSTRUCTION**

* Read all the instructions carefully.
* To use this software first of all you need to have some knowledge about :
* Basic things about operating system.
* Sound knowledge of OS like- 1*.Process creation 2.Process scheduling 3.Process Synchronization 4.Deadlock 5.Page* *replacement algorithm.*
* You can refer the USER MANUAL which is given in the website of this Software.
* Steps to use this Software.
* Open the software.
* If you want to know the basics about the concept of OS then click of Instructions.
* To start the Process click on START Button.
* Choose any one of the Options.
* If you choose **Process Scheduling** –
* Fill the required details given in the page.
* Then we must have to enter the time quantum and priority for every algorithm we choose otherwise we can’t see the results.
* Click on any algorithm you want to.
* To see the detailed output click on detailed otherwise click on Gantt chart.
* If you want to go back then click on home button.
* If you choose **Process Synchronization** –
* Give all the inputs like no of items it will store automatically in producer table.
* The left side box show how the producer consumer problem works.
* Then if you press simulate button then user can see the buffer status and what consumer consumed with respect to the buffer.
* If you want to go back then click on back button.
* If you choose **Process Creation** –
* First give the input like enter the process. Means you have to write any file name there.( ex : Notepad)
* Then the right side box shows that the process is being created.
* If you want to close the file then you can manually close it or you can press kill button to close it.
* For go back to home page click on back button.
* If you choose **Deadlock** –
* Give all the required inputs like no of process, no of resources, resource allocation matrix, maximum matrix and available matrix.
* Then it will show all the matrices with their respective rows and column.
* Then we can see the generate need matrix and check status by click on their respective VIEW button.
* If the Sequence is safe then we can see the sequence by clicking the view button otherwise it will show the sequence is not correct.
* If you want to go back then press back button or if you want to reset and check it again then click on reset button.
* If you choose **Page replacement algorithm** –
* Fill all the required inputs like no of pages, size of frame and pages.
* Choose any algorithm you want to perform.
* Then click on simulate, it will show us all the frames with pages and also calculate the page hit and page fault and their respective ratios.
* If you want to go back and try to test another algorithm then click on Reset button.