CHAPTER 3

Objective of the Research work

1. To Provide the maximum support to the desktop based grid by developing the software based framework which can automatic detect and handle the desktop grid at system level at the time of any problem in the grid. Most of solutions provided are not automated framework based, no frameworks provide the complete automatic solution, so our first objective is make software based framework which act automatically. The framework will helpful to make the running desktop grid intelligent and active at the time any problem or fault. Non-automated procedures are human dependent and takes more time to handle the problem. The proposed software based framework will make the desktop grid independent at many levels and support the desktop grid to handle many type of fault at run time.

2. To Develop the framework for maintain the computational Power. The importance of the desktop computational grid is known from the computational power provided by the desktop grid for a particular problem or application. In fact the motive of the desktop computational grid is the use of maximum computational power provided by the available resources in the grid.

3. To integrate the both the developed framework and find the performance of desktop grid. Both of the proposed software based frameworks are different, one same goal is to automate running computational grid in case of handle the processes in case of failure and in case computational power down.

4. To Compare the Performance and behavior of Desktop grid with and without framework. Development of framework will make many of problems to handle the processes in desktop grid easy.