Abstract

As most of the project failures in software industry are due to lack of management and scheduling of the resources for project. Most of the companies have project management software’s which are used to schedule tasks and activities of an ongoing project in the company but these scheduling software are not feasible and do not provide the exact features for management some time they are more confusing than easy to use. Most of the projects going on in the companies follow the software development life cycle which has many functionalities starting from requirement capturing to deployment and maintenance. All the stages in project management need to be monitored and recorded so that the upcoming issues can be handled without wasting any time. The research work aims at identifying the exact software tools required by the industry for managing and maintaining the software development process. The exact project management software for the company with all the required functionalities can be selected and applied so that all the operations work smoothly and concurrently without any latency in the work space. Thus the system which is under development can be delivered to the client within allocated budget and time. When all the stages of the project are managed carefully and all the activities are executed within time the end user who is the client will be satisfied. Resource management can be done efficiently with the help of right software tools which will help project managers and all the stakeholders to manage resources efficiently and effectively so that the end goal can be achieved. The research work will help industries find the right project management software which will fulfill all the requirements of stakeholders involved in the project also reporting will be done at each phase of the project by various stakeholders of the project hence reporting tools are also important. The project management tools will be used to collaborate with all the phases of the project management and collect relevant data about the progress of the software under development. Most of the companies lack in selecting the appropriate project management software for their organization thus resulting to project failures at large. This research will help them in selecting the appropriate project management software which will function effectively and will be easy to use by all the stakeholders involved in the execution of the project within the organization. Resource allocation and budget allocation are two major functionalities required in the project management software if they are not present then the project under execution has high chances of failure. If companies do not manage their resources effectively and efficiently they are likely to fail in project management. Time being a
crucial part for the deliver of the software project the industry should have a tool which will assign time to tasks and resources thus improving the efficiency and accuracy of work and timely delivery of the software under development. As most of the industries have multiple on going projects they need to management them simultaneously also one project manager is involved in multiple project management thus the tool should support multiple project management facility at same time also remote management of the project should be given to the stakeholders involved in the project.