INTRODUCTION TO RESEARCH WORK

No other industry has such a degree of failure in its projects as the IT industry. No wonder, really: Designing databases is more of an art than a craft, and the same goes for developing software. Our industry is very much based on individual skills, and as such, results are often unpredictable. That's why it is said that 50% of all IT projects are failures. So, software project management is crucial in order to manage, control and disclose early signs of project failure, so they can be corrected, and the project brought back on the right course again.

This research work aims at implementing cloud services for project management software. As the number of projects are increasing day in and out project management using traditional method is becoming complicated and the resources that are required for managing the projects are shrinking so we need a project management system that is scalable and can manage multiple projects simultaneously and with good throughput.

The goal of **SOA for Collaborative Web Based Project Management Software** is to produce a product that is delivered on time, within the allocated budget, and with the capabilities expected by the customer. Project management software is basically a properly managed project has a clear, communicated, and managed set of goals and objectives, whose progress is quantifiable and controlled and whose resources are used effectively to efficiently produce the desired product. When properly managed, a project usually has a communicated set of processes that cover the daily activities of the project, forming the project framework. As a result, every team member understands their roles and responsibilities and how they fit into the big picture, thus promoting the efficient use of resources.
Project Management Software will be used to collect the information from the different levels of software development and different peoples involved in the project and product development. This software will handle all the activities starting from the Inquiry from by the client to the Planning, completion and delivery of the product made by the company to the client. All the activities will be monitored and will be documented which can also be viewed by the company who has made the product for the client along with all its details of the product and with information that was required in building the product and also it can be viewed by the client on the client side as the client will be able to view all the details of his product and also will be able to interact with proof with the team members working on this product. The client will come to know the exact manpower employed and the time duration spend by each employ that is employed on his product development. So that there will not be any hiding of information from the company who is developing the product for the Client. The collaborative information, which will be gathered, will be visible to the client and the company who is developing the Product. Hither to the information on this topic is scanty thus it is decided to investigate this topic in more details so as to minimize the cost of the product developed and also to save the time required in the development of the project/product for any client. Lack of manageability and creeping projects scope are two of the worst problems plaguing IT organizations today. Not only can these problems be costly, they can be deadly to your ultimate business objectives. To compete, your need to take out uncertainty with technologies that improve definition, purpose, and scope. The PMS Solution will give you-and your team-greater real-time insight into project requirements, and the inevitable changes of the scope that cross the boundaries of the distributed teams. This visibility allows each member of the team to share in project expectations from the outset, creating an alignment of thinking that leads to higher productivity and managed control over the
development process. The PMS allows you to move into the future without abandoning the past it provides interoperability that is fundamental to the application lifecycle. Globalization for many companies today, around-the-clock, nonstop design and development sounds too good to be true. That’s precisely the point, because the reality is this: disparate groups, multiple agendas, missed opportunities, failed communications and project hand-offs that are far from seamless. So how do you keep multiple teams-distributed around the campus or around the globe-working in concert and focused on the end goal? First, you need an integrated environment from managing change and configuration requirements and a system that is designed to give you visibility into the development process-one that will help you maintain control of the application lifecycle.

Figure 1. Software Development Lifecycle

With PMS, you can dramatically improve performance and the communication between your distributed and remote teams. You can heighten the visibility and control of your application development lifecycle-giving you better control over the entire development process, from the management stage through development and testing. This project started with goal to Manage various Phases of Software Development Life cycle that includes Requirement Analysis, Prototyping, Architecture & Design, Development, Testing, Documentation and Deployment. With Project Management Software in mind, the idea was to make software that would provide Management at the different Levels of software Development life cycle. In Project Management
Software will improve the performance and enable consistent execution of Project and decrease operating costs across the enterprise.