LITERATURE REVIEW

Joseph Weiss (2012)

In this research article the author explains how project management in IT industry play a vital role for managing resources and various specifications of the project under development this system is most suitable for both the academicians and the IT industry personals information is collected and managed in a common repository of project management software. Lot of risk is involved in the project management and each part of the risk is taken into consideration by the company the project manager has a great responsibility to manage all the projects and their risks.

Daniel Morales (2011)

In this research paper the author explains the importance of soft-skills, which are important in software engineering, and its practices soft skills provide a foundation to software engineering and project management. The helps in building team collaboration, project management system design and development. The system will help in designing and developing the life cycle of the software project its main function is to develop and design the software resources in time and with in allocated budget. Time management is a crucial part in project management its affects the development and delivery time of the software project to the client.

Elisabetta Di Nitto (2011)

This research paper focuses on the distributed system and is usage in the software project management most of the software’s designed follow the distributed systems design and development methods which cater to the requirement of distributed system and its implementation in software project management. All the teams working on a common design and development of the software project.
Daniel Gonzalez-Morales (2011)

In this research article the author explains about teaching soft skills for project management and software engineering this is one of the important factors of software engineering and project soft skills are required by all team members working in a project each software engineering or a software developer will have to process soft skills. It should be a part of software engineering project management practices.

Etiene Lamas (2011)

In author of this research paper emphasis on software testing which helps in detecting the functionality of the software this testing is performed to check the operations of the software are working correctly or not all the operations are executed of the project. There are two types of testing which are performed on the software project one is called black box testing and the other is called functional testing or white box testing these testing’s help in detecting the operations allocated to the required function are executing according to the give criteria’s or not. The defects or bugs by the management can be over come by using the testing models of software engineering which help in getting the accurate result and hence reduce the time period of the client.

Eduardo Quaglia (2011)

This research paper focuses on the scrum model of software engineering, which is used for designing the software project. The use of agile methodology can improve project management design and development as the scope increases and the incorporation of the scope can be easily done using the agile software development methodology which provides the project manager and the development team a flexibility to incorporate the changes requested by the client or the customer the system design can then be revised
and updated as an when required by the client. The development team follows the scrum model so that at any stage of the project the requirements of the client can be incorporated and the system can function smoothly without any error in the system design and development. This system helps in understanding the requirements of the customer clearly and also incorporating the changes at any stage of the project, which helps in reducing the system design, and development overcomes hence the requirements of the client are satisfied.

**Jorg Rech (2011)**

This research paper the author would like to focus on the repository of project management all the project developed and designed by the developers of the company are stored and kept available to be accessible for the developers who required the code for execution of the research project. All the information related to the project is stored in the repository of the project database a separate data warehouse is prepared to store and manage these software projects each item about the previously executed project is stored in a data warehouse each warehouse collaborated and data is extracted from the data warehouse as an when enquired by the project manager of the software engineering project. it is therefore decided to allocate the resources to the development and design of the research project as and when required by the team member of the project manager of the software engineering project under execution.

**Fritz Stallinger (2011)**

This research paper the author explains about the software product line, which is used by most of the developed software project management, companies some of the small-scale companies who would like to use the product line management system, which will help them in streamlining the product, developed, deployment and designing phase together in
a common objective. Information availability and data availability are important parts in a software project its very important to have a good data driven approach for content management in the project. The software industries are categorized into two parts product driven and client driven the product driven industry will follow this method of keeping a common workflow of the product and tracing the development of the product at each stage. When the software is migrating to a product driven approach there are several challenges each part heeds to be backed up while migrating the project to a product.

**Ning Nan (2009)**

In this research work the author describes the pressure of schedule and effort which impact the development of the software project the impact is very high as most of the IT project managers work under pressure and hence they are required to deliver the project which in the delivery date of the project thence the project pressure is more. The author has used the U_shaped relation with the software development lifecycle. Budget pressure also effects the development of the software project the project manager has to bit all the requirements of the client in the project under development in the allocated budget this increases the pressure on the project manager and the development process of the project this is also one of the factors affecting the project life cycle.

**John Dhlamini (2009)**

The author of this research paper would like to focus on the software tools which have been used to manage the risk in a software engineering project each tool is important which will not only keep the record of risk but also provide reporting to the tester of the software engineering project to keep track of the risks which are evolving in the due course of time. Risk management tools help in keeping track or the bugs in the software
engineering project while the reporting tools help in generating the reports and keeping them aligned with the corrective and preventive measures used to manage the project risks. There is a need for generic tool which will provide a functional integration with the design of the software and will log all the bugs in the software and generate preventive and corrective actions depending on the risk associated with the project each project management system will proved this integration of bug fixing using this tool.

**Enrique Alba (2007)**

This research emphasizes on the generic algorithm for the software project management the system which incorporates this generic algorithm to manage all the resources will be a more efficient system. Time management and resource allocation with in stipulated time is a important factor which executing the software engineering project getting the right resource to work at right time is also very important and crucial factor which pays and important part while the budgets are creeping in the project and the time is reducing.

**Daniela Damian (2006)**

In this research project the author would like to explain that requirement engineering is an important part of project management the system is designed such that the project should cover all the aspects required by the client. Requirement is the first and foremost part of the software engineering project with out requirement no project can be executed hence its very important to gather the current requirement from the client so that the project can be executed with in time and allocated budget by the client software which are allocated right budget and time will perform all the intended operations correctly and with out any difficulty most of the layoffs in software engineering project occur due to incorrect requirement and insufficient time and budget.
Justin Beaver (2006)
This research paper focuses on the team quality and adequate resource utilization. Skilled work force is also important to get the correct outcomes in a software project. It is the task of project manager to deploy correct skilled developer in the project so that the resultant outcome of the project will be correct. The quality of the software development depends on the selection of the correct staff which will provide correct outcomes and results if the staff working on the project is not having adequate knowledge and skills required for executing the project and developing the system then the time and money spent on the product development will be of no use and the company will incur a great loss. Hence its important for a project manager to select and deploy skilled workforce on the software project under project development.

Arthur Pyster (2005)
In this research paper the author describes the project management software’s 20 year later as there will be a revolution in the IT industry and the need of software for managing various projects will increase and the requirement of the projects will also increase hence there will be need of new tools and techniques to manage these projects also the work culture and its requirements will also change and hence there will be need for highly sophisticated software to manage the change and its requirement’s.

Georgine Beranek (2005)
This research paper focuses on the role which the individual plays in the team. The author contributes in this research paper how important it is to have human behavior in team collaboration and software project execution. Each team member should function according to the role distributed by the project manager to the individual and the team each member will perform his duties according to the allocated work and his duties each
team member has to contribute to the project with in allocated time so that the outcome of one member in the software project can be distributed to the other members who rely on the outcome of the first member. Time management and resource management play a critical role in successful completion of the research project.

Jai Asundi (2005)

This research article focuses on the open source software which is highly adopted in the IT industry today most of the software companies today are using the open source tools to manage and get data at one location a lot of project management is done using the open source tools available in the market today but still there are some configuration and installation issues in these project management software’s.

Jarno Vahaniitty (2005)

This research article focuses on the framework for project management and how it will help in long-term business development its very important for a long term business to maintain a data warehouse for managing and maintaining the projects which will be taken by the company. All the resource allocation will be done by using a project management software which will collect the data from various sources and will store them in a common repository which will help the company to view and utilize this data from the data base a as and when it is required by the development team also the high level management can view the content of this research work.

Alan Howard (2001)

In purpose of this paper is have the right resource selection for managing and executing the software project its critical for a project manager to select the right resource and allocate the correct resource to the correct project. The resource allocation is based on the technical skills of the project developer and then the software which is used for
allocating the project resource should be well understood by the project manager and should provide the functionality required by the project manager.