CHAPTER - II

LITERATURE SURVEY

Lassenius Casper (2002)
This paper explains the following system design in which the various processes can improve the overall system design of software engineering projects [Meongchul Song, 2009]. It’s important to keep track of the various resources used and effectively manage all the resources. Most of the software development companies employ less or some time more man power in the software project so it’s important to manage the resources in the software engineering projects. It’s important to notify the PM about the changes and developments, which take place in the software, project which will employ changes in the software product under development.

Feig Ephraim (2008)
The authors aim at constructing various strategies which help in the development of the software projects so that most powerful system can govern the industrial growth. The SOA architecture will provide various web services to the system with which comes lots of security and vulnerability issues which can be tackled using the system design and development also the information will be more service based rather than product based but security will be of major concerned which will collect information from various phases of the software development lifecycle the [Richard H. Thayer, 2002]. SOA architecture will provide the users the flexibility with easy adoption of web services and development environments.

Discher Andreas (2009)
This paper has a predictive model explain the technicality of the various resources available as the services and how information will be of more concern. How resources will be utilized more effectively and efficiently to produce the product required. Various services of the database will interact with algorithms to give the exact information extraction and critical information flow will be achieved [Stefan Biffl, 2010]. There are so many business web services available in the market today its important to maintain the technicality and information integration to keep them working in synchronization with
each other its important to keep dedicated web servers and information mutation can be achieved with collaborative responsive machines. The portfolio management is also an integral part of the information colocation.

Hua W Winnie (2009)

This paper focuses on the collaborative model for SOA the large scale industry which focuses on the software development models the service oriented architecture and development model [Md. Mahbubul Alam Joarder, 2009]. The Software development system uses SOA the industrial data managed and collaborated using the web-based models, which will manage the resources, and systems in the organization SOA model the system design and configuration and system design and model the information integration into the system design for collaborative system model in the industry. Information can be accessed over the system design and implementation and design. The SOA model will provide and interactive model for phases of the software engineering.

Liu Jun (2009)

In this paper the information, which is concerned with the problems, which are faced by the SOA system the adoption of the system SOA which will integrate and focus using the system implementation and design which will focus on the collaborative web models which connect and synchronize the data [Gang Lu, 2011]. There are various IT related problems faced by the information technology system design and implementation and integrations the changes in the infrastructure and system design will affect the various resources. IT resource utilization and system design will affect the system design and coding. The Cloud base architectures are readily implemented in the system design and information in integrated model this system will help the resource utilization effectively and efficiently to collaborate with the phases.

Neisse Ricardo (2009)

In this paper the author explains the overall system design the dynamic system design that helps in the development of the infrastructure, which will help to incorporate the system SOA features and system implementation. In this paper the author describes a business process to service assignment dynamic behavior [Ying Qu, 2010]. The majority of companies in the software engineering process to provide services for a variety of domains, but we need a model that cater to the needs of the business to provide proper
service, and thus requires and infrastructure developers never growing processing important operations Business not affected by the dynamic and easy access to essential services for the best service provider reassigns.

**Chen Dejun (2009)**

This paper explains the implementation concepts of the infrastructural cluster design and development this collaborative model integrates the overview of the virtual enterprise control system which integrates the system [Gregory W. Hislop, 2007]. Today most of the resources are available virtually and system which are virtual needs to be managed virtually all information management is done virtually and configuration of the virtual resources are more focused which collaborate with infrastructural changes. The service-oriented architecture virtually manages all the resources and information management is more important and collaborative models integrate integration of the system design and implementation [Carmen J. Trammell, 1997]. Collaboration of the virtual resources is also important. This model focuses on the system design for virtual environments.

**Helming Jonas (2009)**

This paper explains the various tools, which can help in collaboration of the various. Information virtualization and collaboration is more imperative in this technological world, which is more ready and collaborative [Michael Robey, 2005]. Most of the tools that can be used for modeling the resources can be collaborative and connected. Some of the tools which are required at the initial stage which can be more collaborative and connected. Some of the tools used by the organization are not integrated so we need some tools which can provide integration of various functionalities which help in forming the system design and collaboration [James Chisan, 2006].

**Yongyi Zhao (2009)**

This paper explains the system model of the various phases used to integrate the workflow of the organization information is more collaborative and integrated of the workflow there needs to be a collection and synchronization of various workflows and system integration also to keep the data up-to-date and maintain the resource system overviews information collaboration is good but the system designed to collect all the data is not more informative [Alain Abran, 2006] today we are at the stage of information most of the workflow systems are integrated system comprehensive data management.
will provide and integrated model of the workflows various strategically designed system software are implemented using the system collaborative models today are more enhanced and more integrated its due to collaboration is more connected and more integrated [Nicolas Anquetil,2005].

MashkifNir (2009)
The paper focuses on the various business models which are used for implementation of the system design and collaboration its critical today to integrate most of the information today due to lack of availability of resources [Siv Hilde Houmb,2010]. The strategically implemented model needs to be followed while implementing the system strategies all the system models designed for collaborative workflow is more integrated and more comprehensive most of the system design tools have been used to integrate the system architecture.

Betz Stefanie (2009)
This paper emphasizes on the model, which will provide collaborative integration of the resources and infrastructural changes which will help in education for the students of software engineering this model will become a role model while the software engineering students concentrate on the system design and implementation of the resources this will help to boom the overall software engineering course the system design [Elizabeth Chang,2007]. Today designing systems with critical paths is also important and need lots of resources these resources are more valuable to the industry importantly its consuming more and more resources and hence development get more faster. Most of the college graduates lack in the system design and implementation model hence there is a lacuna for information about integration and management of the virtual and physical resources.

JingchunFeng(2009)
The paper explains the contractors model used for implementing the software projects in the industry today most of the system designed today are contractual and information collaboration is more contractual data with contract information is critical and more elaborative which helps in development system design and connected models the contractual model faces most of the problems and how to overcome these problems using the steady model is important in the software industry projects [LiliHai,2007]. Most of the industrial designs are comparative models which comprise of system overlays and
connection issues with the system designs and integrations which is a critical issues while implementing these projects hence the optimal resource utilization in the industrial project is necessary [Geoffrey G. Roy,2004]. Today this project design and implementation is crucial and also critical this project helps in model integration and synchronization modulations. Imperative data is also required to execute the projects.

**Ramakrishnan (1996)**

This paper focuses on the system design and implementation of various web resources used in the project management industry today liability of the execution of the project is necessary also a collaborative model for system design is more integrated and helps in the formation of the critical issues information synchronization is true in the industry today also the management of the manpower is critical in the industrial belt today information on this collaborative model is scant and information standardization and collaboration is more critical and more task oriented collaboration with the industrial infrastructure is comprehensive and more critical [Jin-Sam,2006]. Data optimization and utilization of resources is more valuable to the end users hence a collaborative model in is under development by the system engineering.

**Komiya (1994)**

This paper concentrates on the worker roles, which are used by the industrial infrastructure changes and how the workers will report their daily activity of the project under development and the system implementation of the same [Wongthongtham,2008]. Authors with an object database management system, integrated software projects aim at building. This paper establishes a system to support the software project management model that describes the process [Stefan Biffl,2011]. The paper must also project manager for a framework that describes the content of the order of operations: workers sent progress reports based on the process model, based on the assessment of progress in accordance with the instructions for the workers, and the impact analysis of the issue is a problem detected. To provide these features, we view project management tasks from the analysis of the causes of activity per unit. Based on this analysis, the paper changed by actions involving the actions and states of a finite state machine model proposed [BiplavSrivastava,2004].

**Baesens Bart (2011)**
This paper integrates the predictive model techniques of the software development project. In this paper a prediction model to inspire confidence in a business setting, there must be specific and precise [Yacov Y. Haimes, 2006]. Both aspects of the previous studies have been assessed by a software setting is likely to be. However, no univocal conclusion has been reached that the most appropriate technique. The study, by reporting on the results of large-scale benchmarking study addresses this issue. A variety of techniques such as M5 and CART tree / rule-based models are under consideration, including inducing techniques [Thomas Moser, 2012], such as linear regression, non-linear models (Tuy, multi-layered perception neural networks, radial basis function networks and least squares linear models of various types) vector machines support, and clearly (case-based reasoning approach, for example that induce a model estimation techniques [Geert Letens, 2006].

Sinha (2011)
This paper explains the data warehousing models used to model the industrial projects and also the warehousing techniques used for the implementation of the software projects. In this paper, data warehousing (DW) requires huge investments but also the data warehousing market has experienced incredible growth. However, a large number of Dell initiative to end up as a failure [Saad Mansoor, 2011]. In this paper, we have data warehousing process (DWP) in the maturity of such large-scale failures and mitigate the continuous, high-quality, timely data to "one version of the truth" can sure argue. However, unlike software development, DWP assessment of maturity has not yet been properly tackled. Highlighting the crucial importance of information as a corporate resource, we need to DWP cannot be more of a maturity model.

Thayer (2005)
This paper explains the software engineering and project management futuristic model and implement the realistic model while will help in the functional changes of the system this model will help the software engineering get more efficient results the in calculation of the information and strategies. In the paper a little more than 20 years ago, the guest editors of IEEE Transactions on Software Engineering, January 1984 version of the software engineering, project management, assembled some papers. Study the picture of the papers in SEPM and looked into its future [Bin Xu, 2007]. Revisit the SEPM and
SEPM what lies ahead in the last 20 years, modern and offer a fresh prediction of how it affects the other set of articles, together decided.

**Mylopoulos(2005)**

This paper mainly focuses on the critical issues of software projects the versioning issues, which are more in the software industry the industrial changes which are required to be maintained and the system implementation of the same. In this paper the authors Commercial software release management is primarily concerned with the timely release of the next version was described. New features, repair of known defects, and the future evolution of the overall quality of software maintenance of the facility, including the implementation of any new release of the software has a number of purposes [Masahiro Sakamoto,2007]. Each of these objectives will be met to a degree for managers responsible for software releases is a chronic problem with Real-Time Results.

**Li Kewen (2009)**

This paper elaborates on the system integration of software the comprehensive Uncertainties should be considered in this paper as a resource - constrained multi-project management, software engineering has an important significance is explained . Such as CPM, irrational, CCPM, and the dynamic characteristics of software multi-project management as a popular and significant approaches are based on a detailed analysis, the paper resource - make sure to limit the problem to a dynamic model with project and activity weights argues multi-project, and analyzes an example in detail [Mouna Ben Chouikha,2009]. This method is also suitable for other domains in the same complex project management can be overcome using this technique.

**Sue Newell (2012)**

This paper explains the various tools and techniques, which help in the integration of the system, and also most of the tools today are more collaborative. IT -based project management tools and techniques for effectively using; identify a Multidisciplinary and global technical team managing the environment: In this paper the author mini-track academics and practitioners interested in the project management of many areas that
focuses on the emerging samjavyu tools and techniques for managing information system projects; technology leading and managing teams [Rodolfo F. Resende, 2010].

**Cernian (2011)**

In this paper the information extraction from various stages of the project management system is more informative. This paper Semantic Web World Wide Web Consortium to extend the current Web is a vision for the project and explains the data well defined meaning and structure, enhancing computers and people to work with are given. Semantic technology different databases, business applications and Web services, to find the relationship to include new technologies are being added to enterprise solutions. In this paper, we Semantic Web mechanisms with database metadata and data warehousing methods involved the use of a software tool that represents an architectural model [Pompit Wongthongtham, 2010]. The benefits of the Semantic Web concept are combined with a powerful database server, then the information management will be much improved.

**Vainikko Eero (2010)**

This paper will help in system collaborative model and data extraction models. In this paper the author Sci-Cloud universities the opportunity to study the establishment of a private cloud is a project explains. With these clouds, researchers effective computation intensive scientific, mathematical, and academic problems to solve, use the already existing resources [Ho-Jin Choi, 2008]. Sci-Cloud this poster displays and the scope of our research is to benefit from a set of programs and scientific calculation results reveal the scientific system development model this collaborative model is more accurate and more comprehensive.

**Xiaopeng Lin (2010)**

This paper will elaborate on the pay as you go model of cloud computing this system has various benefits as the resource utilization is more optimal and more conjunctive all the information is stored on the role based models which help in the design and implementation of the resources and focuses on the integral model of the system this cloud ready infrastructure is more resource friendly and consumption of the resources are more authentic and more connected adoption of information exchange can be achieved this system development model will help collaboration of resources with system
development tools and resource utilization tools in this technique this modularization is important concept [Junzo Watada, 2006].

**Liu Lianzhong (2010)**

This paper the author explains about the resource utilization and how the resources and the requirements is not being freeze hence there is latency in the project deliverables. In this paper, more and more software organizations software development process are under the control of a software project, explains [Junchao Xiao, 2009]. Current Requirements Management (RM) to deal with the lack of support in the software process, software process related to the RM system was analyzed. RM process and change management needs, by definition, a process depending on the RM were expressed by combining functions. The plan was also based on the RM Tool prototype. RM primary application in the process, improve the ability to effectively show how information and resource utilization can be easily achieved using the system design and implementation.

**Chen Dejun (2009)**

This paper has a collaborative model for the service industry the service-oriented model is used for developing the projects with extra efforts of the web services. In this paper, Service Oriented Architecture (SOA) approach to software engineering as well as on the analysis of an organization's business layer has a significant effect explains. In this paper we Enterprise Architecture (EA) framework using the SOA concept exists between these two approaches is that the Synergy optimizes display [Andrew A. Knuth, 2012]. The Service Oriented Enterprise Architecture (SOEA) in the SOA and EA integration roadmap will examine the characteristics of this relationship before proposing. Leading to a successful implementation of a project of this kind will discuss some of the administrative aspects of the software project under development.

**Yang Hongji (2010)**

This model of software engineering and project management system elaborates on the data mining and system integration models. This paper explains SOA migration is a complicated task. To ensure the migration performance, some directions on modeling migration approaches are needed. User -oriented SOA migration model is proposed in this paper. The model is defined as a 6 tuple [Siew Hock Ow, 2011]. Detailed descriptions on each tuple are addressed. In particular, the concrete algorithm on matching scheme
and final SOA migration scheme are provided. The model of planning and deployment of a SOA migration project can benefit. An internal management system for primary and secondary schools on a case study in migration projects are displayed in the model. Through the analysis results, we concluded that this model is a promising performance and system integration for modeled system design and implementation.

Wen-ping Zou (2010)

This system software designed and implantation and integration. This paper accidents in recent years, especially in engineering, large-scale public projects by engineers more and more attention has been paid to the general public were also explains. Large-scale public projects, traditional project management challenge for the security of the participants and complex process, such as the numbers involved [Muhammad Rizwan, 2009]. What with the need to manage the risk of modern engineering practice should be. In this article, the theoretical risk of all engineering Research Foundation as a summary of the risk factors. In this paper, disseverment and isolation of traditional engineering and risk management system, considering the disadvantages of each stage of the engineering process, the traditional disadvantages of the project life cycle methodology idea is presented in the risk analysis. This article stages of the project life cycle, risk probability and risk analysis of risk by showing how to determine liability [Linda M. Northrop, 2005]. This works for engineering risk control research will help to make an analysis of the cellar system.

Mahdian Farzaneh (2010)

This information exchange and information updating technique. In this paper the software architecture of a large, complex and distributed systems play an important role in the development explains. Service Oriented Architecture (SOA) for the development of the distribution system in a flexible, loosely coupled and dynamic architecture. Using this architecture, every day, dependable services in the Architecture building design software systems are one of the main challenges are increasing [Cheng Liu, 2010]. In this paper, we review the service-oriented architecture level, dependable services which integrates information updating and collaboration system design and development.

Jugdev Kam (2011)

In this paper the author wants to elaborate on the project management software and outcomes its main features and integration with the resources which will overcome the
liabilities information extract and collaboration. The PMS software system is more collaborative hence more information management can be achieved with less updating in the system analysis and design [Cheng Zheng, 2009]. The design of the system can be achieved in less time hence the system is more productive and less time consuming system. Collaboration in today IT infrastructure is more important and more advisable while developing systems for software engineering and project management.

**Rada Roy (2001)**

This paper explains how the system are being designed and utilization of the resources and contribution to the system level development the Microsoft standards and real world systems tend to rely on their contribution to the development of useful software product for managing the Microsoft SF will follow [James S. Pennypacker, 2006]. Defense system, which is used by a wide range of other models from USA are accepted defense systems is the capability maturity model. According to the model adopted in the organization and their needs are important, which are used depending on model this system helps to integrate the various phases of software engineering project and management of the resources. Information collaboration and integration sounds good as mutual collaboration on various stages of the project can be achieved implementation of system strategies are core values to the development environment.

**Chen Leping (2009)**

In this paper the author the resource utilization for various processes is explained the system design also explains the resource utilization features and extraction. The cauterization of the software including the data extraction and utilization of resources is also important system design and development modules the system integration and design system. The modularity of the system is more concerned with the system design and development and expansion [Xie Ji-Hai, 2008]. The resource cauterization and utilization is of major concerned and utilization of the resources effectively and efficiently to produce the desired product is also important hence the software helps to channelize the resource and make optimum utilization of the resources.

**Rowen Robert (1990)**

This paper explains the system design and development also it explains the system design and a futuristic approach for the development of the system modules. The software
requirement prototyping and its uses are explained with elaboration related to the software engineering process and schedules. In this paper the author describes prototyping of a software engineering project needs .is incomplete at the time of the software must be achieved before a prototype is built , which is the most important requirement . Its graphical way to prototype an important ambiguity needs to be resolved so that the phase of SDLC requirements [Ning Yan, 2009]. The software engineering processes and the schedules are more collaborative and the system design is more integrated with all functional and non functional required catered together this system design and development connects to the resource utilization and information exchange among various phases of the software.

Neumann Robert ( 2011 )

This paper focuses on the system design and implementation. In this paper the author of key software product line engineering (SPLE) is facing migration challenges suggest a medium-sized software organization. Comprehensive, anonymous market growth and product development for major customer based product - and multi- disciplinary systems and solutions engineering, software engineering, Software Engineering Company, embedding access to the market is characterized by two-fold [Rashid Hussain,2007].A characterization of the business , SPLE software product subject to migration , and goals and are based on background SPLE initiative , seven key challenges are identified with respect to migration . The challenges of diversity in the face of multiple reuse approaches. Needs and diversity management , requirements traceability and variability management integration, legacy software and discipline - the exact opposite of software modularization; systems integration engineering, costing and pricing models, and project documentation against the product.

Koegel Maximilian ( 2010 )

The author of this paper explains the software development and management process. The author of this paper, a software -based configuration management system explain its most important graphical models are difficult to configure and manage the various phases of the SDLC to connect and correlate better graphical models, so it is important for the auto- configuration model to the Textual material graph structure is geared models do not take into account, because of the currency control systems, and they should support [Roy
Rada, 2001]. In this case, every time they changed the configuration of an item to be merged into the systems approach for conflict detection, many false alarms occurred. In this paper, we work directly on the issue of changing the model finds that the action-based conflict detection, motion. We file a case study based conflict detection performance compared to the conflict detection and action-based conflict detection results in less conflict and less is required to merge what's new in the system.

**Mandrioli Dino (2010)**

The system development and software engineering processes are more collaborative and web management system. In this paper, the author has appreciated the work of the students to express their great cooperation and competition is being run, the software engineering project want to focus on the key importance [Kewen Li, 2009]. And good quality of the paper to run the event planning committee members were facing the problems is explained. Colleges around the world, this event is most common projects undertaken by the different exhibitors the system is more focused in system design and development using information exchange. The students who are learning the system and software engineering the model based information and extraction model in software engineering will govern the users.