

EXAMINE RELATIONSHIP BETWEEN FAULT FACTORS AND AGILE APPROACH

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Abstract— Agile approach is becoming prime issue in software organization & in quality forecasting many design of wrong issue of object oriented programs have been introduced. The reduction of deficiencies of software is the ultimate goal of software development the arrival of object oriented tools & technology in software industry is becoming challenging in software metrics & used for controlling & managing the operations. The design of object oriented fault is found as important methodology for the forecasting of agile approach programs. The outcome of the work is based on agile effective parameters with fault and to getting accuracy in agile approach.

Keywords— Agile Parameters, Fault Factors , Software Quality

I. INTRODUCTION

The industry based on software paying more emphasis on peremptory faults in software system is considered as a difficult problem in this scenario. In the initial stage faults are to be checked out at the time of development of product as it can save a lot a time & energy also it helps in reduction of complexity. If the level of complexity is low it is seen that efforts for program testing will be low and the product obtained will be more reliable.

In the world of Agile approach language the software metrics have been used for last so many years to give additional information about software to the users which is not an easy task the performance of quality of software is increasing its performance in software design [4]. The Agile approach gives good support for the software to use & Reuse [6]. They tried to use these type of faults issue to give a solution for faults mechanism and Agile approach exploratory analysis of fault is given to relate the metrics for productivity effort and rework. There are various attribute which determine software quality they are fault detection fault prediction defect density, fault proneness etc. The faults of software gives help for the process oriented paradigms to measure different type of attributes such as difficulty, quality of software and productivity etc.

II RELATED WORK

Related Work-Large amount of work was conducted in the field of fault forecasting the detection & proneness of the module of software moves from statically analysis to machine learning methods. The methodology of statistics include main constituent analysis & Discrimination evolution and a module which is based on fault detection by the use of Agile approach, it has been a good relationship between size & faults proneness which was introduced by A multivariate & univariate for fault detection was given by Y. Singh [1]. The techniques of spatial clustering used for detection of faults which have shown for accurate detection target proposed empirical study on 3 industrial real time system and CX objective was validated contrary various number of machine learning methods developed for increasing of fault detection techniques although machine learning & logistic & regression logistic are used by various experts for showing fault metrics [2]. Venkata [3] developed a set of functional cohesion these measures are applied to individual functions, G.Pai domain NASA data set used study for production of fault proneness model with 2 type of categories.

- ✓ Fault Prediction
- ✓ Fault Detection

Here in this study emphasis given of agile approach metrics for prediction of fault proneness in Agile approach class in designing a metrics. It also researcher accuracy with subset of Chidamber & Kemerer suite which perform two statistical model i.e. univariate & multivariate also include machine learning methods[9], It evaluates various predictive & real time software based model, It concludes Bayesian belief network techniques need to explore the causal its.

III FAULT WITH AGILE APPROACH

The fault criteria for measurement & analysis of software quality a great time can be eliminated if only fields like coupling, cohesion, fault action performs the fault design phase. The issues which are fault provides a quantitative indications of faults in the primarily stage of software development the biggest problem is fault in quality of software, production of software[7] & its evolution is intangible this attitude of software cause difficulty for software developers

also from the past experience future development is learned from the experience of past static analysis is method to get development of software[8].

Researchers and engineers have been working on this subject for more than three decades, and many started with static design metrics in the programs. In this study, data from the industry is used to analyze the relationships between CK metrics and defects in the OO programs [1].

- ✓ Interdependency level within module
- ✓ Complexity Ratio
- ✓ Data Bundling Ratio

IV AGILE PARAMETERS

McBreen [4] explained agile assurance as the software development that can respond to change, as the customer requires it to change. K. Beck [5] discussed agile software quality in terms of efficiency, timeliness, and cost effectiveness, ease of use, modifiable, correctness, completeness, ambiguity, availability. But in this evaluation, we have considered 5 quality factors shown in Figure1 to improve quality using agile techniques.

So we will accept the Modifiability to calculate for agile approach with fault factors in next research article.

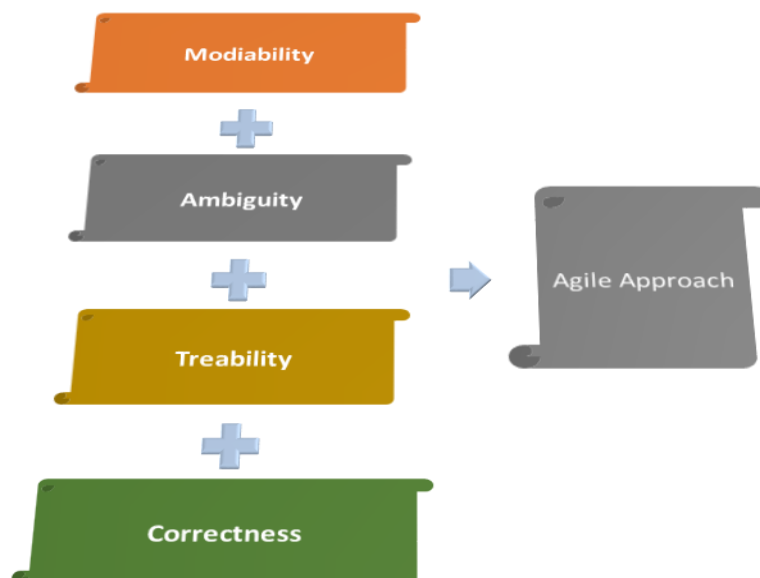


Figure 1 Affective parameters for agile

V. CONCLUSION

In real life situations the faults can differ in their impact of the operations of software, here we did agile parameters identified which are help for in finding fault area. Here our study provides criteria for fault at agile approach. In this study firstly we examine the fault at design stage. Contrary on next step we see agile parameters which were related to the type of fault although we had conducted statistical prediction & detection of error in next article.

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