# A fuzzy logic based approach for phase-wise software defects prediction using software metrics

Authors

Harikesh Bahadur Yadav, Dilip Kumar Yadav

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## Context

The software defect prediction during software development has recently attracted the attention of many researchers. The software defect density indicator prediction in each phase of software development life cycle (SDLC) is desirable for developing a reliable software product. Software defect prediction at the end of testing phase may not be more beneficial because the changes need to be performed in the previous phases of SDLC may require huge amount of money and effort to be spent in order to achieve target software quality. Therefore, phase-wise software defect density indicator prediction model is of great importance.

## Objective

In this paper, a fuzzy logic based phase-wise software defect prediction model is proposed using the top most reliability relevant metrics of the each phase of the SDLC.

## Method

In the proposed model, defect density indicator in requirement analysis, design, coding and testing …