UNIVERSITY OF WESTMINSTER

INFORMATICS INSTITUTE OF TECHNOLOGY

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Performaizer: An Algorithmic Approach towards Analysis and Prediction of Employee Performance in Software Companies

A Dissertation by

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Abstract

Nowadays, all of the companies' goal is to make huge productivity. Productivity is measured by three categories. They are employee level, organizational level, and software level. Based on their resources and net income, they are using some equations to measure productivity at the organizational level. They are using some software related to their organization to measure the productivity in the software level. In the employee level, they are using some methods for calculating productivity, but those calculations are in quantitative level for all employees. One employee is different from the other one, so we need to do a qualitative analysis for each employee. So, this study focuses on analyzing, predicting and exploring the performance of each employee of software companies by calculating worked time performance, sudden change of worked time performance and sudden change of ratings. Monitoring performance of employee helps to do effective qualitative analysis. So, it helps to increase the productivity of a company.

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