Available Online at www.ijcsmc.com

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320–088X

IJCSMC, Vol. 3, Issue. 3, March 2014, pg.778 – 786

RESEARCH ARTICLE

A NOVEL APPROACH TO ENHANCE THE MAINTAINABILITY OF OBJECT ORIENTED SOFTWARE ENGINEERING DURING COMPONENT BASED SOFTWARE ENGINEERING

[1]Hardeep Singh, [2]Aseem Kumar

[1]Lovely Professional University, Phagwara, Punjab, India

[2]Lovely Professional University, Phagwara, Punjab, India

[1] Hsingh891@yahoo.ca, [2] aseem.16839@lpu.co.in

ABSTRACT: ***Object oriented software engineering is a software design technique that is used in software design in object oriented programming. The object oriented design is used for developing the new modules in the software systems. It is used for applying the identified requirements. In the MOOD metrics the new project is developed by using various components and these factors helps in the maintainability of new project. If we talk about CBSE, i.e. component based software engineering it allows us reusability of existing software components into new software development. Here we are going to design a automation tool using genetic algorithm which will helps us to find the compatibility of components so that developer can properly integrates them and can enhance the maintainability of software project.***

KEYWORDS: CBSE, Testing, components, object oriented metrics

Full Text: http://www.ijcsmc.com/docs/papers/March2014/V3I3201499a98.pdf