An Analysis on Software Reusability in Context of Object Oriented and Aspect Oriented Software Development

Pradeep Kumar SINGH[1], Om Prakash SANGWAN[2], Amrendra PRATAP[1], Amar Pal SINGH[1]

[1] ASET, Amity University Uttar Pradesh, Noida, India
pradeep_84cs@yahoo.com, amrendra.bt11@gmail.com, singhamarpal48@gmail.com
[2] School of ICT, Gautam Buddha University, Gr. Noida, India
sangwan_op@yahoo.co.in

Abstract

Software reusability is very important and crucial attribute to evaluate the system software. Due to incremental growth of software development, the software reusability comes under attention of many researcher and practitioner. It is pretty easier to reuse the software than developing the new software. Software reusability reduces the development time, cost and effort of software product. Software reusability define the depth to which a module can be reused again with very little or no modification. However the prediction of this quality attribute is cumbersome process. However many researcher worked on accessing the software reusability for a system but the software reusability of any system is not completely explored. This paper explores the software reusability for object oriented and aspect oriented software.

Index terms: Software Reusability, Factors of Software Reusability, Object Oriented Metric, Software Quality Attributes, Aspect Oriented Software (AOS), Aspect Oriented Programming (AOP), Separation of Concerns (SoC), Object Oriented Software (OOS), Aspect Oriented Software Development (AOSD)

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