Abstract

In modern science, software engineering dealing with improving systems of the software within a short time to enhance the development process and reduce the cost as much as possible. Software reusability is the process that uses existing software components for implementing and updating software systems. Software engineers utilise reusability to reduce effort, time and cost in addition to increase the quality and productivity of software systems, also to check if software components can be reusability. Reusability of any component is computed depending on several metrics. In this paper, cohesion and coupling metrics are used to measure the reuse of software components of Object Oriented procedure (Java codes). The proposed expert system was constructed for solving software reusability problems. The expert system will be used as an intelligent technique to produce smart advice for software reusability problems.

References

1. Annushri Sethi, Prof. Ritu Tandon." A Novel Approach to Find Reusability using
Coupling and Cohesion Metrics ". Feb-2017 

**Index Terms**

Computer Science \hspace{1cm} Software Engineering

**Keywords**

Software reusability, coupling, cohesion, expert system, knowledge base