Abstract

Software Engineering is systematic method of development of software. SDLC lists all the processes and tasks for a developing a software. Choosing right model is very crucial as based on it development and testing processes are carried out. Also error has a cascading effect in SDLC. In this paper, a number of existing SDLC Models (waterfall, V shaped, prototype and RAD), used to develop softwares commercially are discussed and compared with each other. This comparison is used as basis to propose a tool that helps to identify the best suited model for the current project. Also the risk management activities are incorporated in the models itself as compared to a standalone activity. Thus, a resource efficient product is developed.

References

19. Wikipedia.org/wiki/Waterfall_model
20. Tutorialspoint.com/sdlec/sdlc_v_model
**Index Terms**

<table>
<thead>
<tr>
<th>Computer Science</th>
<th>Software Engineering</th>
</tr>
</thead>
</table>

**Keywords**

SDLC, Waterfall, V-model, Prototype, RAD