



Comparative Analysis on Software Development Life Cycle (SDLC) Models

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Source Information	(Aminu & Ogwueleka, 2020)	(Pradhan et al., 2019)	(Chopra & Nautiyal, 2017)	(Polishwala & Shastri, 2021)
Research Topic / Question	To make a comparative analysis of different SDLC models; we further discuss their benefits and their drawbacks, which help software developers/ designers to choose the right models for the software development project.	Combined technique towards the event innovations of a brand new software package style Life cycle considering numerous existing model specifications, their constraints and limits.	This paper tells the efficiency of various CBSE models which are useful for the software project.	The aim of this paper is to analysis some methodologies that gives comparison on SDLC models by studied available, tools, techniques and methodologies of SDLC models.
Methodology	Comparative analysis	Combining technique	Comparative analysis	Comparison
Findings	In conclusion, model selection depends on the type of project as per customer requirement. Though these models all have their benefits and drawbacks, the fusion of all these methodologies is incorporated in the existing commercial software development world.	The most salient and consistent edges of the ESD model are its ability to induce early, accurate well shaped feedback from users and therefore the ability to reply thereto feedback.	The Key factor was based on the reasoning of the researcher. On the basis of above analyzed Table 1 we can say that Knot Model is the best model for the software project.	Selecting the correct life cycle model is most valuable process while developer has to complete within a given time deadline and estimated cost. This study make SDLC selection process easy and effective for the system.
Limitations	Popular approaches to SDLC	Waterfall & ESD SDLC	The Key factor was based on the reasoning of the researcher.	Basis of certain features
Area For Future Research	The fusion of methodologies	Factors have to be compelled to be considered before seizing Evolutionary Software Development.	Key factors to make comparative analysis.	The basis to make comparison.
Other Area for Future Research	The fusion methodologies by classifying customer types	Combining other models of SDLC	Match the right type of customer and CBSE model	The fusion of methodologies

There were 4 journals that were reviewed with the main theme being comparative comparative analysis of different SDLC models that discuss their benefits and their drawbacks. The purpose is to help software developers/ designers to choose the right models for the software development project.

Selecting the correct life cycle model is most valuable process while developer has to complete within a given time deadline and estimated cost. Model selection depends on the type of project as per customer requirement. Though these models all have their benefits and drawbacks, the fusion of all these methodologies is incorporated in the existing commercial software development world.

Pradhan used Waterfall and ESD SDLC on their analysis, Aminu and Ogwueleka used popular approaches to SDLC. On the other hand, Chopra and Nautiyal made their comparison based on the reasoning of the researcher. And at last, Polishwala and Shastri used certain features as their analysis basis.

REFERENCES

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