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SOFTWARE ENGINEERING

Drawbacks of IEEE Software Requirement Specification (SRS) format

1. The IEEE SRS format doesnot include the use-case model diagrams which helps to easily understand the use-cases of the project. But the IBM SRS format includes the use-case model survey.

2. Work flow diagram and Architecture diagram are not present in the IEEE SRS format. If included it would help the client and customers to easily understand the features and functionality of the software product being developed.

3. The data model gives a logical structure to the user's view of the data in the system. The data model is usually depicted in the form of an entity relationship diagram. The entity relationship diagram shows the business entities and maps the relationship between these entities. But the IEEE SRS format doesnot include ER diagrams where as IBM and Infosys SRS format specifies the need for ER diagrams.

4. Infosys SRS format is more applicable for developed products where certain changes are necessary due to additional requirements. The required changes along with its decription is included in the SRS. But the IEEE SRS format mainly focuses on the project which is yet to be developed and is not suitable for the existing product.

5. The IEEE SRS format doesnot mention about the Business Events which includes external events (events triggered by entities) and temporal events (events triggered by time).

6. Design and Analysis diagrams mentioned in IEEE SRS format could be separately included in Software Design Specification rather than in Software Requirement Specification.