

Software Engineering Assignment -2

IT350



A Comparison of Different SRS Formats

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IEEE SRS vs IBM SRS

Disadvantages of IEEE SRS over IBM SRS:

- IBM SRS emphasises to include the database diagram and architecture diagram whereas no such emphasis is given in the IEEE SRS.
- The introduction section does not include technologies used.
- IBM SRS provides provision for asking doubts and queries towards the end of the document which would be addressed by the respective expert teams.
- IBM SRS is more brief and to the point than IEEE SRS.
- IBM SRS makes use of the Use-Case approach, which takes into account external factors like users, processes and their interference with the system, whereas IEEE Format makes use of the Functional Requirements approach. The Use-Case approach is more user oriented.
- IBM SRS has a more detailed header comprising of the version, date and document identifier.

Advantages of IEEE SRS over IBM SRS:

- IEEE SRS lays emphasis on interface requirements such as user interface, hardware interface, software interface and communication interface for which a separate section is provided whereas no such provision is provided in the IBM SRS.
- The features in IEEE SRS are clearly divided into - Description and Priority, Stimulus/Response sequences and functional requirements, whereas no such clear division exists in IBM SRS.
- The Functional Requirement method which is made use by IEEE Format is more developer oriented than the IBM SRS.

IEEE SRS vs TCS SRS

Disadvantages of IEEE SRS over TCS SRS:

- The TCS SRS has a separate section for prioritizing the requirements and those that may be delayed until the next version of the system. This comes in very handy when all the requirements are not known clearly beforehand.
- IEEE SRS does not emphasise on the client details, which is included in the first section itself in the TCS SRS. It is more client oriented.
- TCS SRS has a more detailed revision history section.
- TCS SRS has a separate section for the requirement analysis of the logical database used.
- In User Interface Section, TCS SRS provides a detailed description regarding Screen Layout and Report Layout, which is not mandatory in IEEE SRS.

Advantages of IEEE SRS over TCS SRS:

- IEEE SRS lays more emphasis on the non functional requirements. It is included in the Specific Requirements section in TCS SRS, whereas a separate section is provided for this in IEEE SRS.
- Has a separate section for Interface Requirements, which is included in Product Perspective Section in TCS SRS.
- There is no provision for To Be Determined List(Appendix) in TCS SRS.
- User documentation and Business rules are not included in the TCS SRS.
- There is section for specifying the Operating Environment in IEEE SRS, which does not exist in TCS SRS.