

Software Engineering

Assignment - 2

16 Jan 2018



Comparison of Various Software Requirement Specification Formats

Submitted by

A Aditya - 15IT201

Submitted to

Ms. Raksha Nadgir

Assistant Lecturer

Department of Information Technology

NITK Surathkal

1. IBM SRS vs IEEE 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. This would help the clients to understand the features and functionality of the software being developed.
- 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.
- The introduction section in IEEE SRS does not include technologies used.
- 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 section in IEEE SRS are clearly divided into - Description and Priority, Stimulus/Response sequences and functional requirements.

2. TCS SRS vs IEEE SRS

Disadvantages of IEEE SRS over TCS SRS:

- IEEE SRS does not emphasise on the client details, which is included in the first section itself in the TCS SRS. TCS SRS is more client oriented.
- The TCS SRS has a separate section for prioritizing the requirements and those that may be delayed until the next version of the system.
- TCS SRS has a more detailed revision history section.
- TCS SRS has a separate section for the requirement analysis of the logical database used.

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.
- IEEE SRS has a separate section for Interface Requirements, which is included in Product Perspective Section in TCS SRS.
- User documentation and Business rules are not included in the TCS SRS.
- There is no provision for To Be Determined (TBD) List in TCS SRS.