

SRS template and description for Normal Project

Template

1. Introduction
 - a) Purpose of this document
 - b) Scope of this document
 - c) Overview
2. General description
3. Functional Requirements
4. Interface Requirements
5. Performance Requirements
6. Design Constraints
7. Non-Functional Attributes
8. Preliminary Schedule and Budget
9. Appendices

Descriptions for above points

1. Introduction :

- (i) Purpose of this Document – At first, main aim of why this document is necessary and what's purpose of document is explained and described.
- (ii) Scope of this document – In this, overall working and main objective of document and what value it will provide to customer is described and explained. It also includes a description of development cost and time required.
- (iii) Overview – In this, description of product is explained. It's simply summary or overall review of product.

2. General description:

In this, general functions of product which includes objective of user, a user characteristic, features, benefits, about why its importance is mentioned. It also describes features of user community.

3. Functional Requirement:

In this, possible outcome of software system which includes effects due to operation of program is fully explained. All functional requirements which may include calculations, data processing, etc. are placed in a ranked order.

4. Interface Requirements:

In this, software interfaces which mean how software program communicates with

each other or users either in form of any language, code, or message are fully described and explained. Examples can be shared memory, data streams, etc.

5. Performance Requirements:

In this, how a software system performs desired functions under specific condition is explained. It also explains required time, required memory, maximum error rate, etc.

6. Design Constraints:

In this, constraints which simply means limitation or restriction are specified and explained for design team. Examples may include use of a particular algorithm, hardware and software limitations, etc.

7. Non-Functional Attributes (implementing in your project):

In this, non-functional attributes are explained that are required by software system for better performance. An example may include Security, Portability, Reliability, Reusability, Application compatibility, Data integrity, Scalability capacity, etc.

8. Preliminary Schedule and Budget: (NA)

In this, initial version and budget of project plan are explained which include overall time duration required and overall cost required for development of project.

9. Appendices:

In this, additional information like, definitions of some specific terms, acronyms, abbreviations, etc. are given and explained.

10. References:

Papers, text books, URLs , that are referred to carry out the work

Requirement template for Research based Project

1. Overview of the work:

Different stages or steps of the proposed model e.g. In a classification work, image enhancement, segmentation, feature extraction, feature selection, classification etc.

2. Detailed literature survey:

On all stages of the proposed model like image enhancement, segmentation etc.

(minimum 10 papers)

3. Datasets:

Datasets used and their attributes in detail (Source of the dataset, size, attribute, constraints if any etc.)

4. References:

Different papers referred which are relevant to the work