1. **Introduction**
   1. **Purpose**

The purpose of making this SRS is

* To have record of documentation
* To get detailed explanation of working modules
* To get acquaintance with working environment
  1. **Document Convention**

The following document conventions are followed in preparing this SRS:

* All key-words related to the academics are formatted in italics.
* SRS – Software Requirement Specifications

**1.3 Intended Audience**

This document is created for,

* The instructors of the course ‘Software Design Lab’ for their review and monitoring progress of the project.
* The software development team for their use in analysing the requirements.

**1.4 Project Scope**

The scope of the to-be-developed ‘Online Feedback System’ software package is:

* To maintain a system which will collect feedbacks from students regarding college management and teachers.
* To enable teachers to get views of student about their teaching experience.
* To enable college management to get views of student about facilities provided by college.
* To improve quality of education and college facilities.

**1.5 References**

The following references are used in preparing this SRS:

1. <https://www.softwaretestingclass.com/software-requirement-specification-srs/>
2. SRS Template by IEEE <https://web.cs.dal.ca/~hawkey/3130/srs_template-ieee.doc>
3. SRS document for Online Feedback System <https://www.ques10.com/p/8437/what-is-srs-document-build-an-srs-document-for-o-1/>
4. SRS document specification <https://www.academia.edu/24648944/SOFTWARE_REQUIREMENTS_SPECIFICATION_SRS_FOR_STUDENT_INFORMATION_MANAGEMENT_SYSTEM>
5. **Overall Description** 
   1. **Product Perspective**

This project will be work as “Online Feedback System”. It will have mainly four modules as administrators, students, teachers and management. Administrators will create feedback questions and they will ask students to give response. After collecting response from students they will separate responses for teachers and for management. Later they will transfer responses to teacher and management respectively.

The following diagram describes the high-level business-process of the Online Feedback System of FAMT:

**Part – I: Creation of student account**

Admin will submit data and new student account created

Admin will fill all the details of the student

Admin will login and create new student.

S2

S1

S3

**Part – II: Creation of feedback questions**

Admin will submit data and new feedback set will be created

Admin will set the questions for feedback

Admin will login using assigned username and password

S2

S1

S3

**Part – III: Submitting feedback to system**

Student will submit feedback

Student will opt all the questions

Student will login using assigned username and password

S2

S1

S3

**Part – IV: Collecting feedback from system and transferring to**

Admin will collect feedbacks from students

Admin will transfer feedbacks to teachers

Admin will transfer feedbacks to management

S2

S1

S3

* 1. **Product features**

This software package is expected to offer the following services:

1. For Administrators of FAMT:
2. To facilitate the maintenance of college.
3. To maintain services provided by college and to improve education process.
4. For faculties of FAMT:
5. To get reports of their teaching process.
6. To get recommendations on teaching process.
7. For students of FAMT:
8. To report problems which are they facing.
9. To acknowledge teachers about their teaching process.
   1. **User classes and characteristics**
10. Administrators: In the aspect of student, this will create profile for new students, assign him/her username and password. This user will also set questions for feedback. After collecting feedbacks from student it will transfer feedbacks to teachers and managements.
11. Student: This user will give feedbacks for the questions set by administrator.
12. Teacher: This user will get feedbacks from student through administrators.
13. Management: This user will get feedbacks from student through administrators.
    1. **Operating Environment**

This software package is expected to run in following atmosphere:

i) Microsoft Stack consisting of,

a) Windows 10

b) NetBeans IDE

c) Java, PHP, HTML

d) MySQL for RDBMS on Apache Server

**2.5 Design and implementation constraint**

The design time constraints are:

a) The software package should be designed so as to handle the access by ~130 Teachers, ~5 Admin and ~1000 Students.

**2.6 User documentation**

a) This software package will come with a user’s manual as a guide to its interface actions.

b) The details of the (i) Analysis, (ii) Design and (iii) Test Cases of this software package will be delivered along with this software.

**2.7 Assumption and dependencies**

There are no assumptions made

**3 System features**

The requirements of this software package are described per each category of User:

i) All requirements of the FAMT feedback Administrators

ii) All requirements of the FAMT Students

iii) All requirements of the FAMT Faculties

iv) All requirements of the FAMT Managements

**Business Use Case #1: All the Requirements of the FAMT feedback Administrators:**

3.1 Adding Student and Faculty details in the database and setting questions for Feedbacks

The to-be-developed software package should facilitate the FAMT Administrators to,

i) To add new Student and Teachers details.

ii) Setting questions for feedback.

**Business Use Case #2: All the Requirements of the FAMT Students:**

3.2 Student can give answers to the questions set by Administrators

The to-be-developed software package should facilitate the FAMT Students to,

i) To login authorized Student.

ii) Answering to questions asked for feedback.

**Business Use Case #3: All the Requirements of the FAMT Faculties:**

3.3 Faculties can get the feedbacks given by Students

The to-be-developed software package should facilitate the FAMT Faculties to,

i) To login authorized Faculties.

ii) Faculties can view the feedbacks given by students.

**Business Use Case #4: All the Requirements of the FAMT Managements:**

3.4 Managements can get the feedbacks given by Students

The to-be-developed software package should facilitate the FAMT Managements to,

i) Managements can view the feedbacks given by students.

**4 External interface requirements**

**4.1 User interface**

The set of user interfaces can consist of,

a) To log in to their respective accounts by user.

b) Students can give answers to questions set by administrators.

c) Teachers can get feedback given by students.

d) Managements can get feedback given by students.

**4.2 Hardware interfaces**

NIL

**4.3 Software interfaces**

a) JDBC

b) MySQL server

c) Xamp Server

**4.4 Communication interfaces**

This software package should be securely accessible through intranet communication channels.

**5** **Other non-functional requirements**

**5.1 Performance requirements**

The software should be able to handle following tasks:

a) At least 130 faculties can log in on an average of four hours a day for five days a week.

b) At least 150 students can login to their accounts for three hours for five days of the week.

c) It should be able to handle the MySQL database of 130 faculties and 1000 students.

**5.2 Safety requirements**

The system should be protected from outside users.

**5.3 Security requirements**

This software will,

a) Authenticate each user, who logs in.

b) When the user performs any action, authorize him/her to perform the actions allowed for the user and displays an error message if found to be unauthorized.

**5.4 Software quality attributes**

a) Reliability – Reliability can be guaranteed due to wired connectivity.

b) Availability – The system should be available during college hours.

c) Maintainability – There should be a facility to add and delete feedback form for different purpose.

d) Reusability – The system will be used in each semester.

**6 Other requirements**

NIL