**SOFTWARE SPECIFICATION**

## FUNCTIONAL REQUIREMENTS:

The services that this system should support for these users are summarized below:

This system should provide the administrator with the convenience such as adding a new faculty, view and manage the information about the faculty; students view the next information:

Admin maintain all the information about the project.

* Admin can add the students’ details and staff details.
* Admin can add department, view the staff details, and student details.
* Admin view the staff feedbacks and search the feedbacks by branch-wise, year-wise, and semester-wise.

This system should help the Faculty also.

* Faculty can login and he gets user id and password.
* Faculty can view the self details and search the feedback details by year-wise, semester-wise, and branch-wise.

This system should help the student’s also.

* Student can login and he gets the student id and password
* Student can view the self details and send to the feedbacks to administrator.

## Non-Functional Requirements:

The system should be web-based system. Each user should have a user account. The system should ask the username and password to users. It doesn’t permit to unregistered user to access for Integrated Claim Settlement Services. The system should have Role based System functions access. Approval Process has to be defined. The system should have Modular customization components so that they can be reused across the implementation

# These are the mainly following:

* 24 X 7 availability
* Better component design to get better performance at peak time
* Flexible service based architecture will be highly desirable for future extension

**Performance**

They understand the importance of timing, of getting there before the competition. A rich portfolio of reusable, modular frameworks helps jump-start projects. Tried and tested methodology ensures that we follow a predictable, low - risk path to achieve results. Our track record is testimony to complex projects delivered within and evens before schedule.

**Security**

Its provides more security by setting username and password.

**Safety**

This application provides more safety to the users for accessing the databases and for performing the operations on the databases.

**Interfaces**

It provides the interface for accessing the database and also allows the user to do the manipulations on the databases.

**Reliability**

This entire project is depends on the Oracle.

**Accuracy**

Since the same table is created at different users account, the

Possibility of retrieving data wrongly increases. Also if the data is more,

Validations become difficult. This may result in loss of accuracy of data.

**Ease of Use**

Ever user should be comfortable of working with computer and internet browsing. He must have basic knowledge of English.

**Interoperability**

This provides the import and export facilities for sending one database to another database.

**Maintainability**

The key to reducing need for maintenance, while working, if possible to do essential tasks.

1. More accurately defining user requirement during system development.
2. Assembling better systems documentation.
3. Using more effective methods for designing, processing, and login and communicating information with project team members.
4. Making better use of existing tools and techniques.
5. Managing system engineering process effectively.

**Testability**

Testing is done in various ways such as testing the algorithm, programming code; sample data debugging is also one of following the above testing.

**Design Constraints**

During system testing the system is used experimentally used to ensure that the software does not fail, i.e., it will run according to its specification and in the way the users expect. Special test data are input for processing and the results examined. A limited number of users may be allowed to use the system to see whether they try to use it in unforeseen ways. It is preferable to discover any surprises before the organization implements the system.

**Cost Estimates**

**Preliminary Estimates**.

The project is decomposed into major structural systems or production equipment items, e.g. the entire floor of a building or a cooling system for a processing plant.

**Detailed Estimates**.

The project is decomposed into components of various major systems, i.e., a single floor panel for a building or a heat exchanger for a cooling system.

**Engineer's Estimates**.

The project is decomposed into detailed items of various components as warranted by the available cost data. Examples of detailed items are slabs and beams in a floor panel, or the piping and connections for a heat exchanger.