*Sarath M- Functional Requirement Document Assignment*

*The functional requirements document (FRD) is a formal statement of an application’s functional requirements. It serves the same purpose as a contract. The developers agree to provide the capabilities specified. The client agrees to find the product satisfactory if it provides the capabilities specified in the FRD. Quality is meeting requirements. For that reason, the FRD is the central document in system development. It is used for the following:*

* *Designing and developing tile application system.*
* *Evaluating the product in all subsequent phases of the life cycle.*
* *Determining the success of the project.*

*The FRD has the following characteristics:*

* *It demonstrates that the application provides value to the State in terms of the business objectives and business processes in the 5-year plan.*
* *It contains a complete set of requirements for the application. It leaves no room for anyone to assume anything not stated in the FRD.*
* *It is solution independent. The ERD is a statement of what the application is to do—not of how it works. The FRD does not commit the developers to a design. For that reason, any reference to the use of a specific technology is entirely inappropriate in an FRD.*

A typical Functional Requirements Document comprises of following components and their sub-components:

* 1. Project Description
     1. Background
     2. Purpose
     3. Assumptions and Constraints
     4. Interfaces to External Systems
  2. Points of Contact
  3. Document References

1. Functional Requirements

The functional requirements describe the core functionality of the application. This section includes the data and functional process requirements.

* 1. Data Requirements
  2. Functional Process Requirements

1. Operational Requirements
   1. Security
   2. Audit Trail
   3. Data Currency
   4. Reliability
   5. Recoverability
   6. System Availability
   7. Fault Tolerance
   8. Performance
   9. Capacity
   10. Data Retention
2. Requirement Traceability Matrix
3. Glossary