**FSD**

**(Fundamental of Software Development)**

**Mini Project**

**Title: Defense Management System**

* **Introduction:**

This system provides information regarding guidelines, acts and rules which are provided by government that is useful for defense person.

By this system, Chief of Defense can manage secret operations, Tenders and Committee of Department of Defense

* **Modules:**
  1. Admin:

An Admin is the person who organizes his/her work and manages whole system.

He delegates responsibility and authority.

* 1. Chief Of Defense:

A Chief of Defense is the person who has all the responsibilities of maintaining all the guidelines and information which is provided by government.

* 1. Defense Person:

A Defense person is a person who uses the services of system as per his/her requirement.

* **Purpose:**
* To provide information and guidelines to the defense person easily.
* To secure the secret operations.
* To manage diff. tenders, publications, acts & rules easily.

**Software Requirement Specification (SRS)**

* **Functional requirements:**

1. **Admin**

R1: LOGIN

Input: Username , Password

Process: Check whether given username and Password is Right or Not.

Output: Valid Or Not….

R2: Manage Categories d

Input: Name , id , User type like Army , Navy or Air Force.

Process: Check whether He/She is Chief of Defense or Defense Person.

Output: Valid Or Not….

R3 : Manage Acts and Rules

Input : year wise reports , manuals , etc.

Process : Check whether it is in proper format or not.

Output : Acts and Rules are updated or not……..

R4: Manage Photo , Video Gallery

Input : Photo , Video

Process : Insert , Update , Delete Photo and Video.

Output : Updated Or Not….

R5 : Manage Publications

Input : Year Wise Publications Which is provided by chief of defense

Process : Check whether it is in proper format or not.

Output : Annual Reports Updated Or Not…

R6 : Manage Employee Corner

Input : Details of defense person

Process : Insert , Update , Delete Employee Name , Address , Contact no , Etc.

Output : Updated Or Not…

R7 : Manage Website Policies

Input : Website Policies

Process : Insert , Update , Delete Website Policies.

Output : Updated Or Not…

R8 : Manage FAQs

Input : FAQs

Process : Insert , Update , Delete FAQs.

Output : Updated Or Not…

R9 : Manage Feedback

Input : Feedback which is given by user

Process : Insert , Update , Delete FAQs.

Output : Updated Or Not…

R10 : Logout

Input : Username , Password

Process : Check whether given username and Password is Correct or Not.

Output : Valid Or Not….

1. **Chief of Defense**

R1 : Login

Input : Username , Password

Process : Check whether given username and Password is Right or Not.

Output : Valid Or Not….

R2 : Press Releases

Input : diff. News , Policies , Celebrations , etc.

Process : Check whether it is correct and in proper format or not.

Output : Valid Or Not…

R3 : Tenders

Input : Active tenders , Bid Opening & Closing Dates , Results , Etc.

Process : Modifications In tenders if required.

Output : Updated Or Not…

R4 : Important Guidelines

Input : Guidelines like Tele-communication items , flight safety items , repairing services , etc.

Process : Insert , Update , Delete diff. Guidelines which is Provided by Gov.

Output : Updated Or Not…

R5 : Departmental Committee

Input : Members of Lok-Sabha and Rajya-Sabha , other members etc.

Process : Insert , Update , Delete Members.

Output : Updated Or Not…

R6 : Manage Secret operations

Input : Operation name , dates , other details

Process : Insert , Update , Delete FAQs.

Output : Updated Or Not…

R7 : Facilities

Input : diff. Schemes , services

Process : Confirm diff. facilities and services to Employees which is provided by Gov.

Output : Provided Or Not…

R8 : Logout

Input : Username , Password

Process : Check whether given username and Password is Correct or Not.

Output : Valid Or Not….

1. **Defense Person**

R1 : Login

Input : Username , Password

Process : Check whether given username and Password is Right or Not.

Output : Valid Or Not….

R2 : Sign-Up

Input : Username , Password , address , contact no , email id and other personal info.

Process : Check whether given Information is Correct or Not.

Output : Valid Or Invalid….

R3 : My Profile

Input : Username , Password.

Process : Update his/her Profile details.

Output : Updated Or Not….

R4 : View Acts and Rules

Input : year wise reports , manuals , etc.

Process : Understand Acts and Rules Carefully.

Output : Display Successfully or not…

R5 : View Gallery

Input : Photos , Videos

Process : Display Photo and Video.

Output : Displayed Or Not….

R6 : View Publications

Input : Year Wise Publications

Process : Display Annual reports.

Output : Display successfully Or Not…

R7: secret info.

Input : Username , Password , id

Process : Check whether given username , Password and id which provided by chief is Correct or Not.

Output : Valid Or Not….

R8: View Website Policies

Input : Website Policies

Process : Display Website Policies.

Output : Displayed Or Not…

R9: View FAQs

Input : Ask Question

Process : View FAQs and Ask question.

Output : Question sent Or Not…

R10: Give Feedback

Input : Name , address , Contact no.

Process : Give Ratings and Suggestions.

Output : Feedback sent Or Not…

R11: Logout

Input : Username , Password

Process : Check whether given username and Password is Correct or Not.

Output : Valid Or Not….

* **Non - Functional requirements:**

A Non – functional requirements define the performance attribute of a software system.

* **Security:**

The System will protect the sensitive information of nation.

The System will be capable of restoring itself to its previous state if there is a system failure.

* **Portability:**

The system will effectively work in any environment.

* **Reliability:**

The system will have minimum failure rate.

There are less number of critical failure.

**DATA FLOW DIAGRAM**

**LEVEL 0**:

VIEW

DETAILS &

OPRATIONS

**CHIEF OF**

**DEFENSE**

MANAGE

INFORMATION

**ADMIN**

MANAGE

OPRATIONS & GUIDELINES

**DEFENSE**

**PERSON**

**LEVEL – 1 (For Admin):**

User\_Name &

Password

**ADMIN**

Emp\_Info

Important\_Info

Login\_Info

Catagory\_Info

Other\_Info

**LEVEL – 1(For Chief of Defence):**

Login\_Info

Press\_info

Tender\_Info

**Chief of**

**Defence**

Facilities\_Info

Operation\_Info

Committee\_Info

Guidelines\_Info

**LEVEL – 1 (For Defence Person):**

User\_Name &

Password

**Defence**

**Person**

Secret\_Info

MY\_Info

IMP\_Info

Login\_Info

Catagory\_Info

Web\_Info

Logout\_Info

**USE CASE DIAGRAM**

**FOR ADMIN:**

**ADMIN**

**DEFENCE MANAGEMENT SYSTEM**

**FOR CHIEF OF DEFENCE:**

**FOR DEFENCE PERSON:**

**CHIEF OF**

**DEFENCE**

**DEFENCE MANAGEMENT SYSTEM**

**DEFENCE MANAGEMENT SYSTEM**

**DEFENCE**

**PERSON**

* **Conclusion:**
* The System Requirement Specifications (SRS) specifies requirement for Defence Management System.

* This document will be used by several users such as Admin, Chief of Defence and Defence person to ensure all the specifications are correct and proper.
* This SRS would be used by following users:
  + Admin : The person who controls whole system.
  + Chief Of Defence : The one who provides specific functionalities.
  + Defence Person : The actual user or the End – User of the system

* **References:**

https://www.mod.gov.in/dod/