1.0

Project

Title **Design Specification**

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Date

Prepared By:

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**ISSUE HISTORY**

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# BACKGROUND

## Proposed System

### The details of the quality of service requirements of the GES Application as follows:

|  |  |
| --- | --- |
| Project Code |  |
| Project Name |  |
| System Classification |  |
|
| User Information |  |
| Estimated maximum concurrent users |  |
| Peak Periods |  |
|
| User Categories |  |
|
| Estimated User Size |  |
| Estimated volumes of transactions per year |  |
| External Source |  |

# SYSTEM FLOW

## Proposed System Workflow

# LAYOUT/DESCRIPTION OF INPUT/OUTPUT

## Login Screen Layout

### A sample Login screen layout with color schemes is presented below

### Figure 2

## Main Screen Layout

### A sample GES application main screen layout with color schemes is presented below

### Figure 3

## General Page Characteristics

## Standard Buttons

### The standard buttons and Page Navigation keys will be used throughout GES application are shown in the table below

| **S/N** | **Button** | **Remarks** |
| --- | --- | --- |
| 1 | Login |  |
| 2 | Search |  |
| 3 | Submit |  |
| 4 | Add |  |
| 5 | Update (Hyperlink) |  |
| 6 | Save |  |
| 7 | Delete |  |
| 8 | Ok |  |
| 9 | Cancel |  |
| 10 | Upload |  |
| 11 | Download |  |
| 12 | Generate |  |
| **Page Navigation** | | |
| 1 | << Previous |  |
| 2 | Next >> |  |
| 3 | Page iterator |  |
| 4 | Export Excel |  |

## Error Handling and Pages

### Field-level Validation Errors

### Field level error messages:- In Red below each field in error. No message if the field is not in error. Errors are displayed at one time against each field and not one by one

### Figure 4

### Common Error Page

### A sample Common Error Page with color schemes is presented below

### Figure 5

## Input Data

## Output Data

## Data Validation

# DATABASE/FILE DESIGN

## Database Design Concepts

## File Names and Locations

### The following table lists the file suffixes and locations

|  |  |  |
| --- | --- | --- |
| **File Type** | **File Suffix** | **Recommended Location** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Configuration Files

| **Filename** | **Description** | **Remarks** |
| --- | --- | --- |
|  |  |  |

# PERFORMANCE SPECIFICATIONS

## Baseline Requirement for Online Transactions

### The application will support ?? concurrent users for all scenarios.

### The expected responses for all the online transactions are shown in the table below:

|  |  |  |
| --- | --- | --- |
| **Type of Transactions** | **Performance Indicator** | |
| **(Expected Response Time)** | |
| **MOE HQ** | **Schools** |
|
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# INTERFACE WITH OTHER SYSTEMS

## System Interface

### The following list of interfaces will be used for GEP Stage 1 & Stage 2 Processing:-

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/N** | **Source System** | **File Type** | **Frequency** | **Information** | **ReMarks** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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### The following list of interfaces will be used for GEP Tracking & Monitoring:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/N** | **Source System** | **File****Type** | **Frequency** | **Information** | **ReMarks** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

### The following list of interfaces will be used for GES Administration:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/N** | **Source System** | **File Type** | **Frequency** | **Information** | **ReMarks** |
|  |  |  |  |  |  |

## Work Flow

### The components involved in the GES interface architecture are listed below.

| **S/N** | **Component** | **Remarks** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# ARCHIVAL, BACKUP, RECOVERY AND FALLBACK SPECIFICATIONS

## Archival/Housekeeping Approach

## Backup Approach

## Recovery & Fallback Approach

# SYSTEM CONSTRAINTS & LIMITATIONS

### Nil

# SYSTEM SOFTWARE

### The details of the software\Open source will be used for the GES Application as follows:

| **TYPE OF SERVICE** | **SOFTWARE** | **VERSION** | **REMARKS** |
| --- | --- | --- | --- |
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# OPERATIONAL REQUIREMENTS

## Server Details

### The Server details for system are as follows:

| **S/N** | **Server** | **Details** |
| --- | --- | --- |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

## Batch Operations

## System Error Messages and Diagnostics

### The table below shows the error message and its diagnostics purpose.

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **Error Message** | **Explanation** | **Recommended Action** |
| 1 |  |  |  |
| 2 |  |  |  |

# SECURITY REQUIREMENTS

## Application Classification

## Access Control (Authentication & Authorisation)

### .

## Data Security

## Application Logs

## Audit Logs