

Software Requirements Specifications

Project Title = Event Registration and Management portal

Project Team= 3 members

1. Zainab Iftikhar
2. Aena Faakhir
3. Emaan Naeem

Document Information

Category	Information
Customer	University of Sargodha
Project	Event Registration and Management Portal
Document	Requirement Specifications
Author(s)	Aena Faakhir Zainab Iftikhar Emaan naeem
Approver(s)	Dr.Ilyas

Definition of Terms, Acronyms and Abbreviations

Term	Description
ERMP	Event Registration and Management Portal
IT	Information Technology
LAN	Local Area Network
DBMS	Database Management System
OS	Operating system
MySQL	My Structured Query Language

Table of Contents

1. Introduction

1.1 Purpose of Document

1.2 Project Overview

1.3 Scope

2. Overall System Description

2.1 User characteristics

2.2 Operating environment

2.3 System constraints

3. External Interface Requirements

3.1 Hardware Interfaces

3.2 Software Interfaces

3.3 Communications Interfaces

4. Functional Requirements

5. Non-functional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

5.3 Security Requirements

5.4 User Documentation

6. Assumptions and Dependencies

1. Introduction

The Event Registration and Management Portal is designed to make the process of planning events and managing registrations simple and organized. Instead of handling everything manually, this system keeps all event information, participants details, and schedules in digital form. It helps event organizers save time, reduce mistakes, and manage events more efficiently.

1.1 Purpose of Document

The purpose of this SRS document is to explain all requirements of the Event Registration and Management Portal in a clear and simple way. It describes what the system will do, who will use it, how it should work, and what features it will include.

This document helps developers, teachers, and project members understand the complete system so the final software meets the needs of all users.

1.2 Project Overview

The Event Registration and Management Portal is a software application that helps organize events by handling tasks like event creation, online registration, participant management, schedules, and notifications.

It replaces manual registration forms and helps event organizers manage all event details easily in one place

1.3 Scope

The Event Registration and Management portal will allow event organizers to:

- Create and manage different events
- Open online registration for participants
- Collect participant data and store it safely
- Manage event schedules and activities
- Send notifications or updates to participants
- Keep record of confirmed registrations
- Generate simple reports

The system makes event management faster, more accurate, and more organized

2. Overall System Description

The Event Registration and Management portal will be a computer-based application used by institutes, organizations, or event teams to manage event-related tasks. It will store

participant information, event details, and registration data in a database. The system reduces manual workload, helps avoid errors, and makes it easy to track event progress at any time.

2.1 User characteristics

The system will have the following types of users:

Event Organizer (Primary User):

- Creates and manages events
- Views and approves participant registrations
- Manages schedules, updates, and event data
- Requires full access to all features
- Basic to average computer skills needed

Participants / Attendees (Secondary Users):

- Register online for events
- View event details, timing, and updates
- Basic computer or mobile skills
- Cannot access admin features

Admin (Optional):

- Manages system settings and users
- Oversees overall system performance

2.2 Operating environment:

The system will run in a normal office or computer lab environment.

- **Hardware:** PC or laptop with keyboard and mouse
- **Software:** Windows or Linux OS, web browser
- **Database:** MySQL or any DBMS
- **Network:** LAN or Internet (for online registration)

2.3 System constraints

- The system must run on the selected OS and database
- Requires a stable internet connection for online features
- Users must enter correct information for proper working
- Works best on modern browsers and devices
- Only authorized event organizers can access admin features
- Should follow data protection rules for participant information

3) External Interface Requirements

The system will interact with computers hardware, software and network services.

3.1 Hardware Interfaces

- Works with standard PCs, laptops, or mobile devices
- Uses keyboard, mouse, and display screen for input/output

3.2 Software Interfaces

- Uses a database (e.g., MySQL) to store event and participant data
- Runs on Windows/Linux OS
- Accessible through a web browser or application interface

3.3 Communications Interfaces

- Uses LAN or internet for communication
- Data transfer must be safe and reliable
- Supports email or notification services for updates

4. Functional Requirements

The system will allow:

- Creating and managing events
- Managing participant registrations
- Viewing participant lists
- Creating event schedules

- Sending reminders or notifications
 - Generating simple event reports
 - Editing or deleting event information
-

5. Non-functional Requirements

5.1 Performance Requirements

- System should load pages quickly
- Should support multiple users at the same time
- Data must be stored and updated instantly

5.2 Safety Requirements

- Regular backups of event and registration data
- System should not crash during normal use

5.3 Security Requirements

- Only authorized organizers can access admin features
- Participant data must be protected
- Login should require username and password

5.4 User Documentation

- User manual for organizers
 - On-screen help tips
 - Small guide on how to register for events
-

6. Assumptions and Dependencies

- Organizers will have basic computer knowledge
- Computers, internet, and required software will be available
- Database and OS must be compatible with the system
- System performance depends on network speed for online features

