SOFTWARE ENGINEERING PROJECT

| SOFTWARE ENGINEERING

SERL WEBSITE

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CHAPTER NAME

LOGO

01

PURPOSE AND SCOPE

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CHAPTER NAME

PURPOSE AND SCOPE

02

PURPOSE AND SCOPE

Purpose

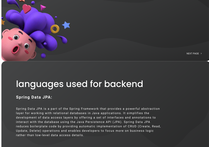
The purpose of the website is to give all of the necessary information about SERL. From year's point of view to all aspiring researchers to join the website. It contains details related to everything. It includes several sections such as about, contact details, projects, and many more. It has crisp to provide it. Should be able to add publications on the website from anyone's point of view.

Scope

The scope of the website is to provide information to the people who want to know about SERL. It describes what features are in the scope and what are not in the scope of the software to be developed.

It Includes:

1. Information about all the faculty and research scholars in SERL.
2. Accomplishments of SERL and performance by SERL.
3. Information about ongoing and upcoming IT Applications for internships/projects under SERL. 4. Applications for research scholarship under SERL.



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CHAPTER NAME

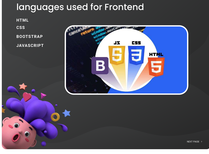
BACKEND

03

languages used for backend

Spring Data JPA:

Spring Data JPA is a part of the Spring Framework that provides a powerful abstraction layer for interacting with relational databases. It simplifies the process of data access and management by offering a set of interfaces and annotations to interact with the database using the Java Persistence API (JPA). Spring Data JPA automates many tasks, such as generating queries, managing transactions, and handling CRUD (Create, Read, Update, Delete) operations and implies developers to focus more on business logic rather than low-level data access details.



03

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CHAPTER NAME

FRONTEND

04

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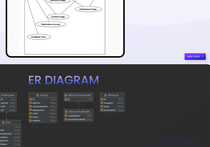
languages used for Frontend

HTML
CSS
BOOTSTRAP
JAVASCRIPT



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USE CASE DIAGRAM

SERL
Admin
Faculty
Student
Visitor
Admin Login
Faculty Login
Student Login
Visitor Login
Add Faculty
Add Student
Add Projects
Add Internships
Add Publications
Add Research Papers
Add Research Scholarships
Add Accomplishments
Add Blogs
Add Events
Add Notifications
Add Alumni
Add Alumni Info
Add Alumni Jobs
Add Alumni Blogs
Add Alumni Events
Add Alumni Notifications