

# **Information Security**

## **(Lab-Project)**



### **Submitted By:**

Sufwan Masood	2023-CS-710
Hamna Nasir	2023-CS-714
Muhammad Abdul Rehman Wahla	2023-CS-717

### **Submitted To:**

Ms. Zoha Sohail

**Course:** IS LAB

**Department of Computer Science**  
**University of Engineering and Technology, Lahore**  
**New Campus**

# 1. Introduction

Creating privacy policies that comply with data protection laws such as GDPR, CCPA, and LGPD is a challenge for many website owners, especially those without legal or technical backgrounds. Our project solves this by offering a simple and secure web-based Privacy Policy Generator.

# 2. Problem Statement

Manual creation of privacy policies is time-consuming, error-prone, and costly. Existing tools often lack customization and are not user-friendly. There is a need for an accessible solution tailored to non-technical users.

# 3. Objectives

- **User-Friendly Interface:** Allow easy policy generation with compliance options.
- **Secure Authentication:** Password hashing and session handling for login/signup.
- **Custom Policies:** Generate downloadable privacy policies in Markdown format.
- **Responsive UI:** Dark theme with frosted glass effects using Bootstrap and CSS.
- **Scalable Backend:** MongoDB for storing user accounts and policies.

# 3. Key Features

- Secure login and signup with hashed passwords
- Custom policy generation based on user inputs

- Support for GDPR, CCPA, LGPD compliance
- Downloadable policies in plain text
- Modern, responsive UI with dark mode and effects

## **7. Conclusion**

The Privacy Policy Generator simplifies the creation of legally compliant privacy policies through a modern and secure web application. It is especially useful for small businesses and individual website owners, offering them a free and user-friendly alternative to legal consultations.