Project Title: PassPolicyCheck - Custom Password Policy Enforcer

Cybersecurity Mini Project Presentation

Presented By:

- Pratham Sangam (Roll No. 45)

- Sahil Avere (Roll No. 02)

Sathaye College

Introduction

In today's digital world, passwords are our first defense.

But "strong" means different things in different systems.

Our project, PassPolicyCheck, allows users to define and enforce their own custom password rules.

It helps ensure password security based on specific organizational needs.

Objective

To create a tool that checks if a password meets customized policy criteria.

To promote awareness of proper password construction.

To apply basic Python programming for a practical cybersecurity use case.

Technology Used

- Python - Core programming language

- string module - For character type checks

- Basic Input/Output - No external libraries used

How It Works

User enters a password.

System checks for:

- Minimum length

- At least one uppercase letter

- At least one lowercase letter

- At least one digit

- At least one special character

Gives result: PASS or FAIL with detailed reasons

Output Examples

Example 1:

Input: Atul@123

Output: PASS

- Meets all criteria

Example 2:

Input: atul123

Output: FAIL

- Missing uppercase letter

- Missing special character

Conclusion

Our project helps users create passwords that are actually secure-not just assumed secure.

Simple, effective, and customizable for any organization.

Can be extended into GUI apps, web forms, or integrated into signup systems.

Thank You

Presented by:

- Pratham Sangam (Roll No. 45)

- Sahil Avere (Roll No. 02)

Sathaye College