**Phishing Simulation & Cybersecurity Awareness Solution**

**Objectives**

The primary objectives of the proposed solution are to:

* Increase cybersecurity awareness among employees.
* Simulate realistic phishing attacks to identify vulnerabilities.
* Provide targeted training to empower staff in recognizing and responding to phishing . attempts.
* Ensure compliance with industry standards and regulatory requirements.
* Ensure phishing defense mechanisms and streamline incident response . workflows.

**Scope of Work**

**Phishing Simulation**

**Realistic Scenarios:**

* Customizable phishing templates to simulate various types of phishing attacks (email . phishing, spear-phishing, smishing).

**Automated Testing:**

* Schedule and automate phishing tests at regular intervals.

**Targeted Simulations:**

* Tailor simulations to specific user groups within the organization.

**Cyber Awareness Training**

**Interactive Training Modules:**

* Engaging, multimedia training content covering a broad range of cybersecurity . topics.

**Customization:**

* Allow customization of training modules to align with specific needs and policies.

**Continuous Learning:**

* Provide ongoing training opportunities and refresh content regularly to reflect the . latest threat landscape.

**Analytics & Reporting**

**Detailed Analytics:**

* Comprehensive analytics and reports on user engagement, phishing test results, and . training effectiveness.

**Compliance Reporting:**

* Generate detailed audit trails and compliance reports to demonstrate adherence to . cybersecurity standards and regulatory requirements.

**Dashboard:**

* An intuitive dashboard for administrators to monitor and analyze the performance of . simulations and training programs.

**Deliverables**

**Implementation Plan:**

* A detailed plan outlining the steps for deploying the solution, including timelines and . resource requirements.

**Training and Documentation:**

* Comprehensive training for administrators and end-users, along with detailed . documentation.

**User Interface (UI) Components**

**Main Menu**

* Dashboard
* Phishing Simulation
* Cybersecurity Training
* Analytics & Reports
* Compliance
* User Management
* Settings

**Dashboard**

* Overview of recent activities.
* Quick access to phishing test results and training progress.
* Alerts and notifications.

**Phishing Simulation**

* Create New Simulation
* Manage Templates
* Schedule Tests
* Simulation Results

**Cybersecurity Training**

* Training Modules
* Assign Training
* Track Progress
* Customize Content

**Analytics & Reports**

* User Engagement
* Phishing Test Results
* Training Effectiveness
* Generate Compliance Reports

**Compliance**

* Compliance Overview
* Generate Audit Trails
* Regulatory Requirements

**User Management**

* Manage Users
* User Groups
* Assign Roles

**Settings**

* General Settings
* Notification Settings
* Security Settings
* Integration Settings

**User Roles**

1. **Administrator**

* Full access to all modules and settings.
* Manage users and roles.
* Configure system settings.

1. **Security Team**

* Access to phishing simulations, results, and analytics.

○ Manage automated defense and response tools.

1. **Training Manager**

* Access to training modules and customization.

○ Track user progress and assign training.

1. **Regular User**

* Access assigned training modules.

○ Participate in phishing simulations.

○ View personal progress and reports.

**Key Pages and Functionalities**

**Login Page**

* User authentication (username, password).
* Forgot password option.

**Dashboard**

* Summary of key metrics and activities.
* Quick links to important features.

**Phishing Simulation Page**

* Create and manage phishing templates.
* Schedule phishing tests.
* View detailed results and analytics.

**Training Page**

* Access interactive training modules.
* Customize and assign training.
* Monitor training completion and effectiveness.

**Analytics & Reports Page**

* Generate detailed analytics reports.
* Track user engagement and performance.

**Compliance Page**

* Overview of compliance status.
* Generate and view audit trails.
* Ensure adherence to regulatory requirements.

**User Management Page**

* Add, edit, and delete users.
* Assign roles and permissions.
* Organize users into groups.

**Settings Page**

* Configure system settings.
* Manage notification preferences.
* Set up security and integration options.

**Milestones**

**Login Section**

* Login Page Construction.
* Integration with the Database.

**Dashboard Section**

* Create and manage phishing templates.
* Schedule phishing tests.
* View detailed results and analytics.

**Content Section**

* Make training material page with the following features:

1. Implement interactive training modules.
2. Customize and assign training.
3. Monitor training completion and effectiveness.

**Phishing Template Section**

* Campaign sub page with features:

Campaign Types, Clause, Targets, Users, Options, Summary, Completion

* Template sub page with features:
* Sample Customization, ready-made Templates

**Training Manager Section**

* Landing Page with the following features:
* Campaign Types, Clause, Targets, Users, Options
* Generate and view audit trails.
* Ensure users are adhering to the recommended training.

**User Account Section**

* Add, edit, and delete users.
* Assign roles and permissions.
* Organize users into groups.

**Quiz Manager Section**

* Landing Page with the following features:
* Assign test to specific users or departments.
* Create specific attack types and tests from the ready-made teplates.

**Reporting Section**

* Landing Page
* Summary Page
* Analysis Page
* Training Due Page.

**Team Member Roles**

**Ali Kayani**

* Managing team issues
* Assisting team members
* Guiding project development
* Creating Tests
* Creating Training Modules
* Creating Learning Material
* Creating Training Videos, if need be

**Hafsa Rehman**

* Manage team learning
* Creating the Apex pages
* Creating analytical charts and statistics

**Eman Hafeez**

* Creating Apex Pages
* Making Phishing Templates
* Care taking of the Project GUI/Aesthetics/User Friendliness

**Manahil Khan**

* Managing Database
* Assisting few elements of front-end