NIST Function	Subcategory	Maturity Level	Target Level	Priority Level	Mitigation Strategy	Implementation Costs	Damage Costs
Identify	Asset Management **(ID.AM-1)**	Medium	High	Medium	Implement automated asset discovery tools to track digital assets.	$150,000.00	$500,000.00
Identify	Asset Management **(ID.AM-2)**	Low	Medium	Medium	Regularly update asset inventories and classify critical assets to prioritize security measures.	$50,000.00	$500,000.00
Identify	Asset Management **(ID.AM-3)**	Low	Medium	Medium	Conduct routine audits to identify unauthorized or outdated assets to remove from the network.	$50,000.00	$500,000.00
Identify	Business Environment **(ID.BE-5)**	Low	High	High	Train employees on business continuity and incident response procedures.	$150,000.00	$500,000.00
Identify	Governance **(ID.GV-1)**	Medium	Medium	Medium	Define and enforce cybersecurity policies to ensure regulatory compliance.	$50,000.00	$500,000.00
Identify	Governance **(ID.GV-3)**	Low	Medium	Medium	Assign cybersecurity responsibilities to relevant personnel and ensure accountability.	$50,000.00	$500,000.00
Identify	Governance **(ID.GV-4)**	Low	Medium	Medium	Maintain documentation of security policies and ensure they are easily accessible.	$50,000.00	$500,000.00

Identify	Risk Assessment **(ID.RA-1)**	Low	High	Medium	Conduct regular risk assessments and penetration testing.	$150,000.00	$500,000.00
Identify	Risk Assessment **(ID.RA-2)**	Low	Medium	Medium	Implement security best practices and continuous improvement.	$50,000.00	$500,000.00
Identify	Risk Assessment **(ID.RA-3)**	Low	Medium	Medium	Utilize vulnerability scanning tools to identify security weaknesses.	$50,000.00	$500,000.00
Identify	Supply Chain Risk Manageme nt **(ID.SC-4)**	Low	High	High	Develop contingency plans to address supply chain disruptions caused by cyber threats.	$150,000.00	$500,000.00
Protect	Access Control **(PR.AC-1)**	Medium	High	High	Implement multi-factor authentication to strengthen user access security	$300,000.00	$500,000.00
Protect	Access Control **(PR.AC-3)**	Medium	High	High	Regularly review and update access permissions based on job responsibilities.	$300,000.00	$500,000.00
Protect	Access Control **(PR.AC-4)**	Medium	High	High	Implement session timeouts and automatic logoff for inactive users.	$300,000.00	$500,000.00
Protect	Access Control **(PR.AC-5)**	Medium	High	High	Secure remote access using VPNs and endpoint authentication measures.	$300,000.00	$500,000.00

Protect	Access Control **(PR.AC-6)**	Medium	High	High	Establish account lockout policies to prevent brute-force attacks.	$300,000.00	$500,000.00
Protect	Access Control **(PR.AC-7)**	Medium	Medium	High	Require MFA for all sensitive access	$100,000.00	$500,000.00
Protect	Awareness & Training **(PR.AT-1)**	Low	Medium	Low	Conduct cybersecurity awareness training for all employees.	$100,000.00	$500,000.00
Protect	Awareness & Training **(PR.AT-2)**	Medium	High	Low	Provide specialized training for employees in security-critical roles.	$300,000.00	$500,000.00
Protect	Data Security **(PR.DS-1)**	Medium	High	Medium	Enforce data-at-rest encryption using industry-standard protocols. Implement key management best practices.	$300,000.00	$500,000.00
Protect	Data Security **(PR.DS-2)**	Medium	High	Medium	Utilize end-to-end encryption for data in transit. Employ TLS, VPNs, and secure network protocols.	$300,000.00	$500,000.00
Protect	Data Security **(PR.DS-3)**	Medium	High	Medium	Ensure asset sanitization procedures are in place before disposal or reuse. Follow NIST SP 800-88 guidelines.	$300,000.00	$500,000.00
Protect	Data Security **(PR.DS-5)**	Medium	High	Medium	Implement least privilege access to sensitive data. Regularly review and update access control policies.	$300,000.00	$500,000.00

Protect	Data Security **(PR.DS-6)**	Medium	High	Medium	Deploy data loss prevention (DLP) tools to monitor and prevent unauthorized data transfers.	$300,000.00	$500,000.00
Protect	Information Protection **(PR.IP-1)**	Medium	Medium	Medium	Establish and maintain baseline security policies and procedures. Ensure they are reviewed and updated regularly to	$100,000.00	$500,000.00
Protect	Information Protection **(PR.IP-3)**	Medium	High	Medium	Develop and enforce secure configuration management practices for all IT assets. Use automated tools to detect and remediate	$300,000.00	$500,000.00
Protect	Information Protection **(PR.IP-8)**	Medium	High	Medium	Conduct regular security awareness training programs. Ensure employees recognize and report security threats.	$300,000.00	$500,000.00
Protect	Information Protection **(PR.IP-9)**	Medium	High	Medium	Develop and maintain a secure software development lifecycle (SDLC) with regular code reviews and security testing.	$300,000.00	$500,000.00
Protect	Information Protection **(PR.IP-12)**	Medium	High	Medium	Ensure that the organization maintains and tests contingency plans for critical information systems.	$300,000.00	$500,000.00
Protect	Protective Technology **(PR.PT-1)**	High	High	Medium	Harden system configurations by disabling unnecessary services and enforcing security baselines.	$300,000.00	$500,000.00
Protect	Protective Technology **(PR.PT-2)**	Medium	High	Medium	Implement continuous monitoring tools to detect unauthorized changes and potential security breaches.	$300,000.00	$500,000.00

Protect	Protective Technology **(PR.PT-3)**	Medium	High	Medium	Regularly apply security patches and updates to mitigate vulnerabilities. Automate patch management where	$300,000.00	$500,000.00
Protect	Protective Technology **(PR.PT-4)**	Medium	High	Medium	Employ anti-malware and endpoint protection solutions to prevent, detect, and respond to threats.	$300,000.00	$500,000.00
Detect	Anomalies & Events **(DE.AE-1)**	Low	High	Medium	Implement continuous network monitoring to detect unauthorized activities.	$200,000.00	$300,000.00
Detect	Anomalies & Events **(DE.AE-2)**	Low	Medium	Medium	Use behavioral analytics to identify deviations from normal user activity.	$75,000.00	$300,000.00
Detect	Continuous Monitoring **(DE.CM-1)**	Medium	High	High	Implement endpoint detection and response (EDR) solutions for continuous monitoring.	$200,000.00	$300,000.00
Detect	Continuous Monitoring **(DE.CM-2)**	Low	Medium	High	Regularly update and tune intrusion detection and prevention systems (IDS/IPS).	$75,000.00	$300,000.00
Detect	Continuous Monitoring **(DE.CM-3)**	Low	Medium	High	Monitor privileged account activities for signs of compromise.	$75,000.00	$300,000.00
Detect	Continuous Monitoring **(DE.CM-4)**	Low	Medium	High	Continuously assess cloud and third-party environments for security gaps.	$75,000.00	$300,000.00

Detect	Continuous Monitoring **(DE.CM-7)**	Low	Medium	High	Conduct periodic security assessments and penetration testing.	$75,000.00	$300,000.00
Detect	Detection Processes **(DE.DP-1)**	Medium	High	Medium	Define and document formal detection processes for cyber threats.	$200,000.00	$300,000.00
Detect	Detection Processes **(DE.DP-3)**	Low	Medium	Medium	Regularly test and refine detection capabilities through simulations.	$75,000.00	$300,000.00
Respond	Response Planning **(RS.RP-1)**	Medium	Medium	Medium	Develop and maintain a cybersecurity incident response plan	$50,000.00	$300,000.00
Respond	Communications **(RS.CO-1)**	Low	High	Medium	Establish incident reporting procedures for internal and external stakeholders.	$150,000.00	$300,000.00
Respond	Communications **(RS.CO-2)**	Low	High	Medium	Conduct cybersecurity drills involving all relevant stakeholders.	$150,000.00	$300,000.00
Respond	Communications **(RS.CO-4)**	Low	High	Medium	Conduct cybersecurity drills involving all relevant stakeholders.	$150,000.00	$300,000.00
Respond	Analysis **(RS.AN-1)**	Medium	High	Medium	Perform root cause analysis for cybersecurity incidents.	$150,000.00	$300,000.00

Respond	Mitigation **(RS.MI-1)**	Medium	High	Medium	Implement immediate containment actions to prevent incident escalation.	$150,000.00	$300,000.00
Respond	Mitigation **(RS.MI-3)**	Low	High	Medium	Develop playbooks for responding to different types of security threats	$150,000.00	$300,000.00
Respond	Improvements **(RS.IM-1)**	Low	Medium	Medium	Review and update response plans based on lessons learned from incidents.	$50,000.00	$300,000.00
Recover	Recovery Planning **(RC.RP-1)**	Low	High	Medium	Develop a disaster recovery plan to restore operations after cyber incidents.	$200,000.00	$200,000.00
Recover	Improvements **(RC.IM-1)**	Low	Medium	Medium	Conduct regular testing of disaster recovery and business continuity plans.	$50,000.00	$200,000.00
Recover	Communications **(RC.CO-1)**	Medium	High	Medium	Establish communication strategies for internal teams and external stakeholders during recovery.	$200,000.00	$200,000.00
Recover	Communications **(RC.CO-2)**	Medium	High	Medium	Coordinate recovery efforts with law enforcement and regulatory bodies as needed.	$200,000.00	$200,000.00
Recover	Communications **(RC.CO-3)**	Medium	High	Medium	Develop a coordinated incident response strategy with internal and external stakeholders. Conduct periodic incident	$200,000.00	$200,000.00

Recover	Communications **(RC.CO-4)**	Low	High	Medium	Establish pre-defined communication protocols for breach incidents Conduct periodic incident response exercises	$200,000.00	$200,000.00