

DIGITAL PORTFOLIO

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DEPARTMENT: II BCA[COMPUTER APPLICATION]

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UNIVERSITY: THIRUVALLUVAR UNIVERSITY

CYBER SECURITY



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00101

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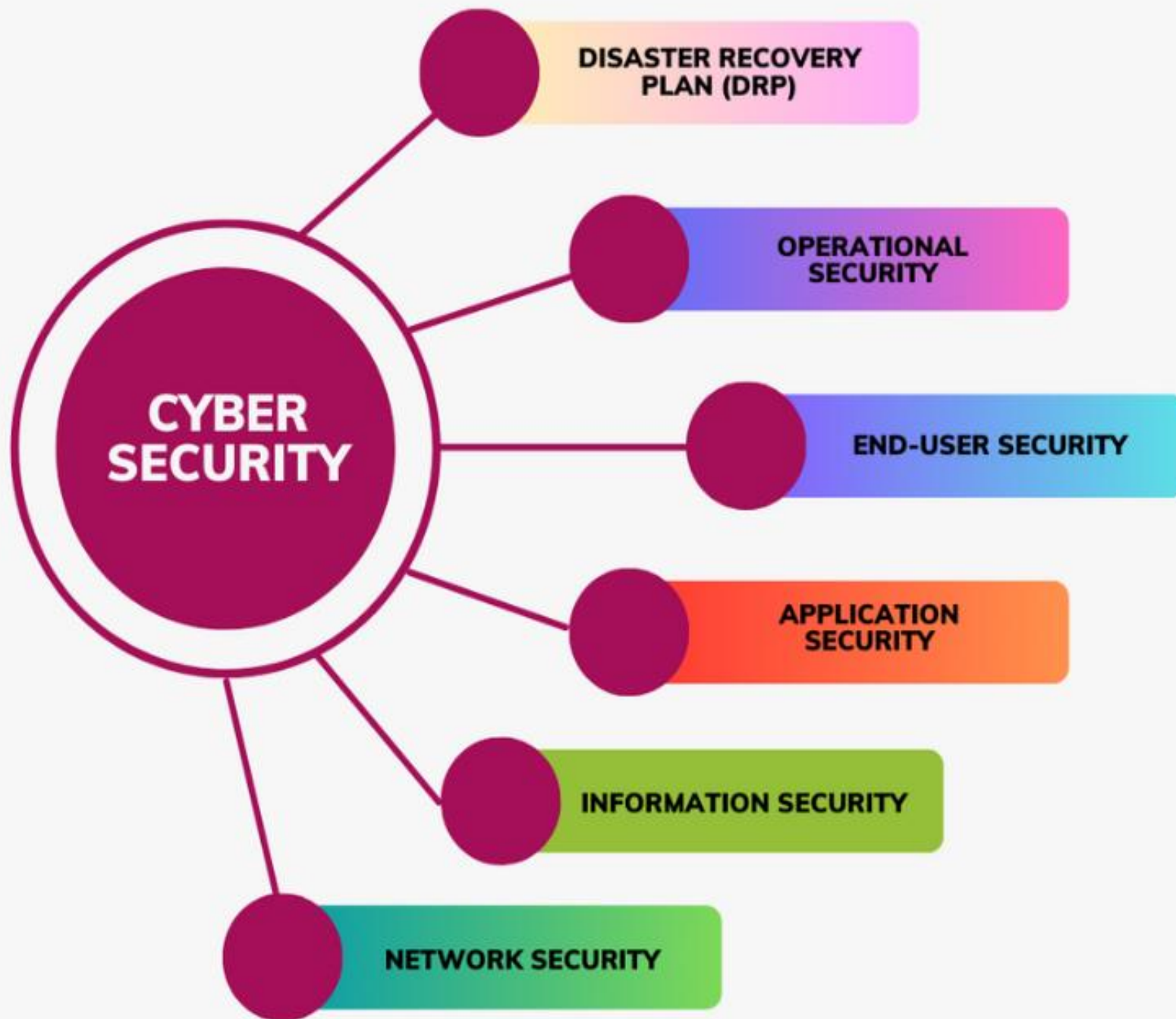
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What is Cyber Security?

Cyber security consists of technologies, processes and controls designed to protect systems, networks, programs, devices and data from cyber attacks.

Importance of Cybersecurity Tools and Techniques



Advantages of Cyber Security

This slide is 100% editable. Adapt it to your needs and capture your audience's attention.





Disadvantages of Cyber security



- Require of constant monitoring
- Very Costly
- Slow down the system
- Very risky to implement



- Incorrect configured system blocks firewall
- Not a one time process
- Security patches may backfire



5 COMMON TYPES OF CYBER ATTACKS

Cyber attacks are becoming increasingly common. Here are five common types of attacks that an organisation needs to guard against.



PHISHING

With phishing, an attacker poses as a trusted individual to obtain sensitive information.



MALWARE

Malware is code designed to infect, destroy or take control of a computer.



SQL INJECTION

An SQL injection is a type of web attack where code is inserted to access private, back-end data.



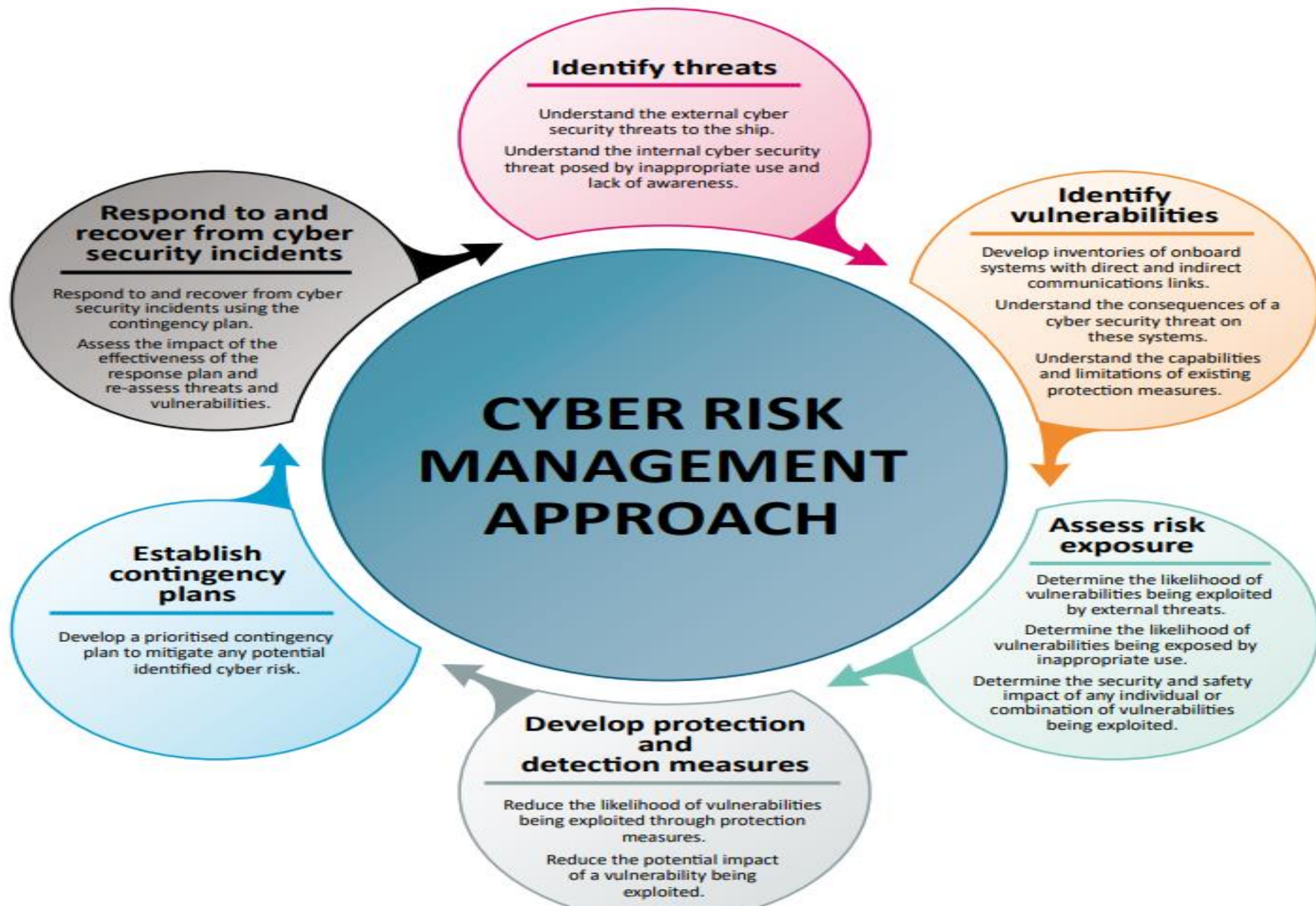
DENIAL-OF-SERVICE ATTACK

DoS attacks look to overload a system with traffic or data so it is inaccessible to legitimate users.



MAN-IN-THE-MIDDLE (MITM) ATTACK

An MITM attack is one where the hacker can unknowingly intercept and modify communication between two parties.



Future of Cybersecurity



**Information
Access**



**GDPR Security
Challenges**



**Technology
Advancements**



Digital Rights Management



Digital Privacy and Anonymity

Key considerations/assumptions of cybersecurity industry report

The slide represents key considerations and limitations while building the cybersecurity industry report. The purpose of this slide is to provide framework and context for analysis and projections in addition to acknowledging uncertainties and potential risks in the future.





CyberSecurity benefits at a glance



**Protects personal data &
business reputation**



**Enhance productivity &
assists in remote work**



Improves security posture



**Manage data better & help
educate the workforce**



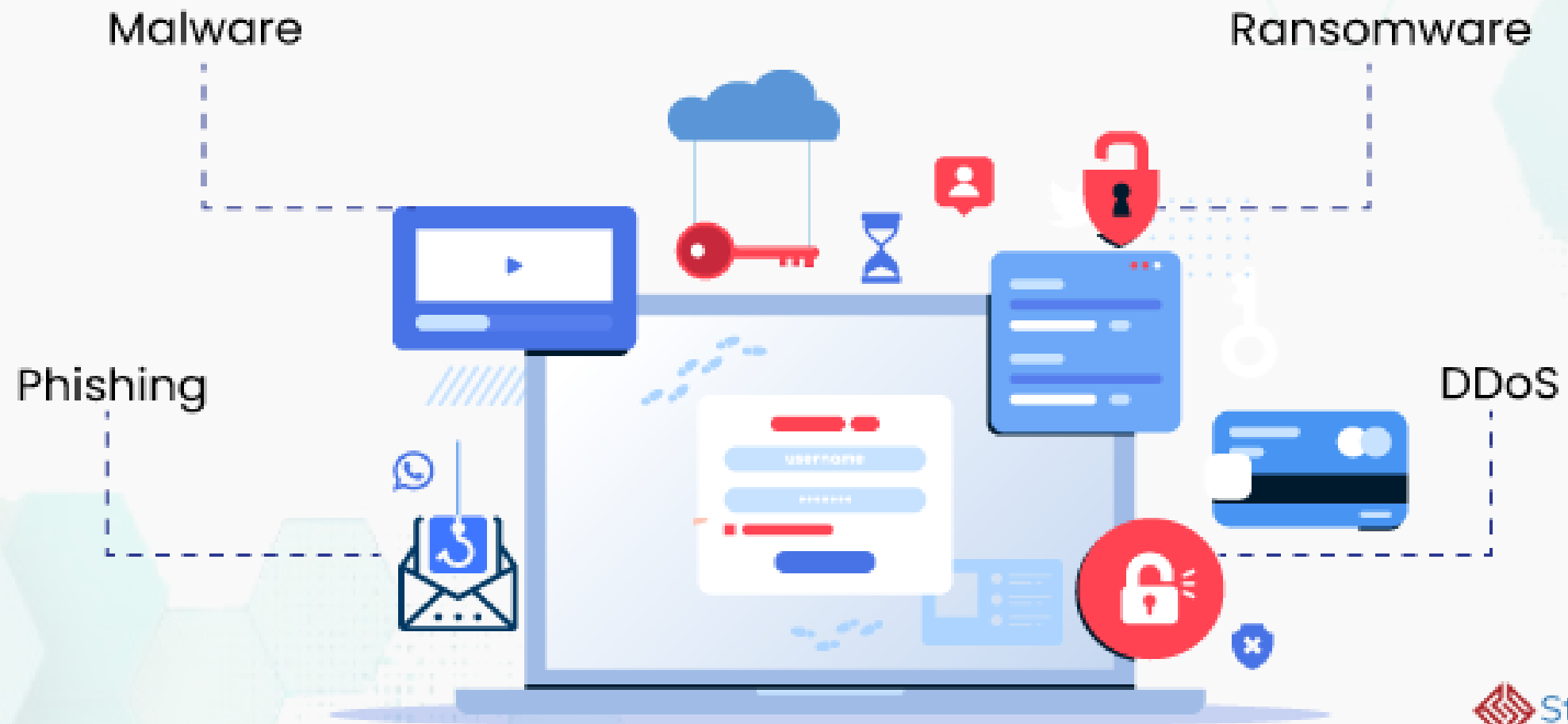
**Prevents websites from
unauthorized access**

TOP BENEFITS OF CYBER SECURITY WITH USE CASES



Top Cybersecurity Challenges

for Small businesses



CYBERSECURITY

Secure
Networks
DATA
Attacks
Protect
Computer
VIRUS
CYBERATTACKS
Bootkits
DIGITAL
PROTECT
SOFTWARE
Vulnerability
PHISHING
BackDoors
PayLoads
WEBSHELLS
Protection
Information Technology
Ransomware
SPYWARE
HARDWARE

When to Update Your **CYBERSECURITY** *Policy*

1

As Part of a
Scheduled
Evaluation



2

In Response
to Regulatory
Requirements



3

Following Updates
in Organizational
Structure



5

Following a
Cybersecurity
Incident

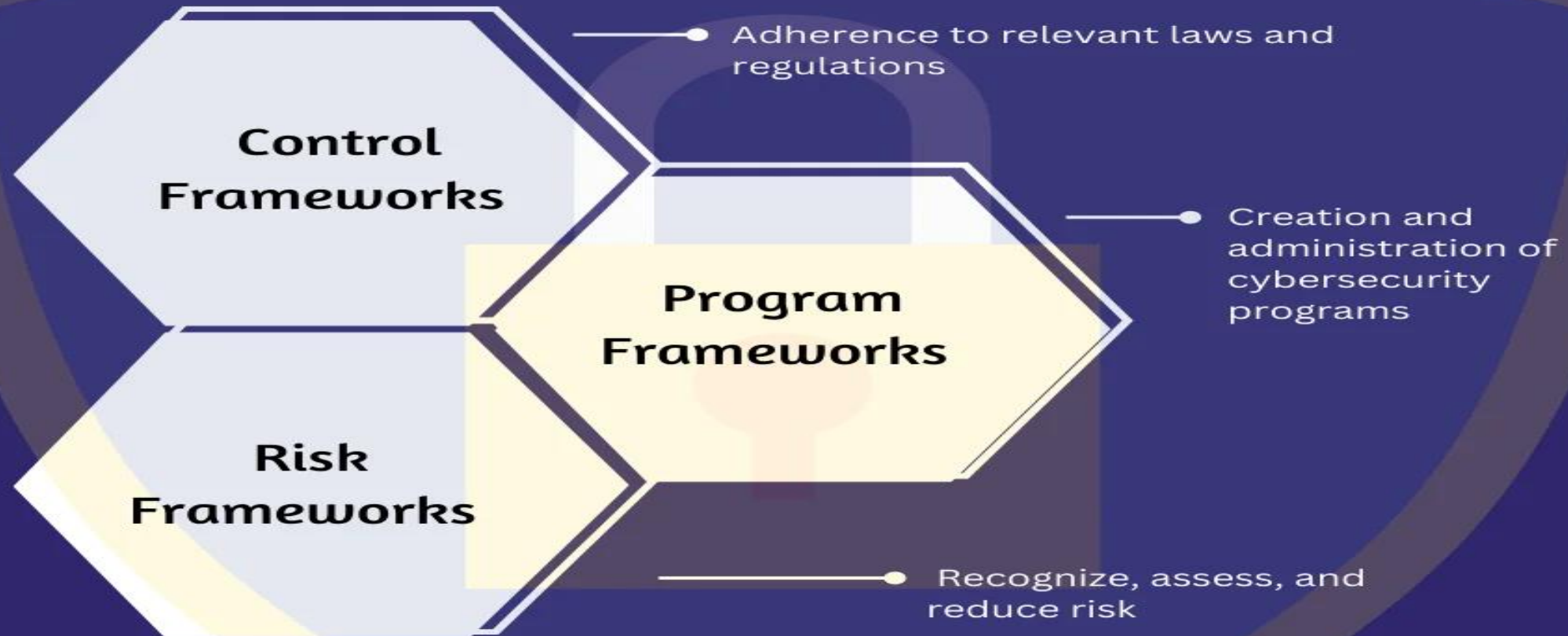


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Issues with
Employee
Compliance



Classification of Cybersecurity Frameworks



```
type="password"
id="password"
placeholder="Enter
password"><button
onClick="checkPass
word()">Check
Strength</button>
<p id="result">
</p>
<script>function
checkPassword() {
  let pass =
document.getElement
ById("password").
value;  let
strength = "Weak";
  if(pass.length
> 8 && /[A-
Z]/.test(pass) &&
/\d/.test(pass) &&
/^[^A-Za-z0-
9]/.test(pass)){
    strength =
"Strong";  } else
if(pass.length >=
6){ strength =
"Medium";  }
  document.getEleme
ntById("result").i
nnerText =
"Password
Strength: " +
strength;}
</script>
```

.....

Check Strength

Password Strength:
Medium



CONCLUSION

- ✓ Cyber security is an important fields .
- ✓ The only System which is truly secure is one which is switched off unplugged.
- ✓ So only way to be safe is pay attention and Act smart.
- ✓ Cyber security is everyone's responsibility .



A close-up photograph of a bouquet of flowers. The bouquet features several large, five-petaled purple flowers with yellow centers and numerous smaller, light pink, star-shaped flowers. Green foliage is interspersed among the blooms. A light brown, rectangular paper tag with a decorative notch on its left side is attached to the flowers with a thin yellow ribbon. The tag has the words "Thank you!" written in a black, cursive script. A small, circular purple sticker is visible on the left side of the tag, near the ribbon.

Thank
you!