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In Collaboration with
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“FMCT”

**Implementing a Framework for Mitigate Cybersecurity Threats
for Sri Lankan Private Sector Organizations based on the
Evaluation of Penetration Testing/Ethical Hacking**

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ABSTRACT

Cybersecurity threats dominated among the world than ever before with help of the Covid-19 because moreover people tend to perform the task remotely instead of the physical activities hence these approaches motivated the malicious intruder to gain access for the unauthorized network, furthermore this gap now evolving with the technologies and dragging with the time. Business needs to pay much attention for cybersecurity threats as it now more like to hitting with the different angle which never faced before for the organizations. In addition, some type of approaches cannot be stopped via any techniques when it comes with, the zero-day attack where infiltrate through via vulnerabilities are much worse that it has great obstructed to put it down in immediate manner because attacker studied the vulnerabilities over the time and learned the backup plan in the event of the preventive actions performed against to the intended attack. Deter is the great option to prevent these attacks but new framework worth multi defense approach even it become the smoothest strongest solution as it prevent the attack by the layer by layer even one layer divided to the subcategories to adjust with foundation of the security breaches prevention mechanism, specially designed to the Sri Lankan private sector organizations.