

ABSTRACT

Crime Prevention Through Environmental Design (CPTED) is a widely used approach to physical security and architectural design. Over the years, urban areas continue to evolve and the population in cities grows. When developing a security strategy, whether for an existing building or new construction, it is important to know the common security threats and vulnerabilities and how to address the different types of security threats. However, physical security is always neglected as most organizations focus on technology oriented security measures. Therefore, this study will take a closer look at the security issues in the IT organization and make an assessment of the CPTED framework to protect the organization's assets from various security threats. In addition, the study will also rely on the design of the environment and measurement of the physical security controls that are assessed and applied to manage the expected risks to effectiveness and operations on a regular basis and prevent the organization from losing assets due to theft, intentional or unintentional destruction, natural disasters, or cyber attacks.

INTRODUCTION

CPTED is a collection of design guidelines used to fight crime, improve building protection, and promote physical security. The ideas provide the guidelines for structures and buildings that should be built to withstand weather conditions and natural disasters and also prevent crime. Physical security is meant to protect hardware, software, networks, data, and even human lives from serious damage if security mechanisms are not properly planned and managed. This includes natural disasters such as fires and floods, as well as burglaries, theft, vandalism, and terrorism.

The importance of physical security in businesses cannot be underestimated. Its main goal is to protect the company's assets and infrastructure. When it comes to information security, it is important to keep in mind the defense and protection of the company from physical threats. However, physical security is always overlooked as most companies focus on security technology, but firewalls and digital security would be useless if someone could break into the company and steal sensitive information.

While CPTED is primarily used in the design of new buildings or new urban areas, it can also be used in the remodeling of existing buildings or landscapes within the budget and time frame.

So the organization has reasons to protect the building from criminal attacks to protect the organization's assets and information, and also the security of the employees must be ensured as part of the physical security of the organization.

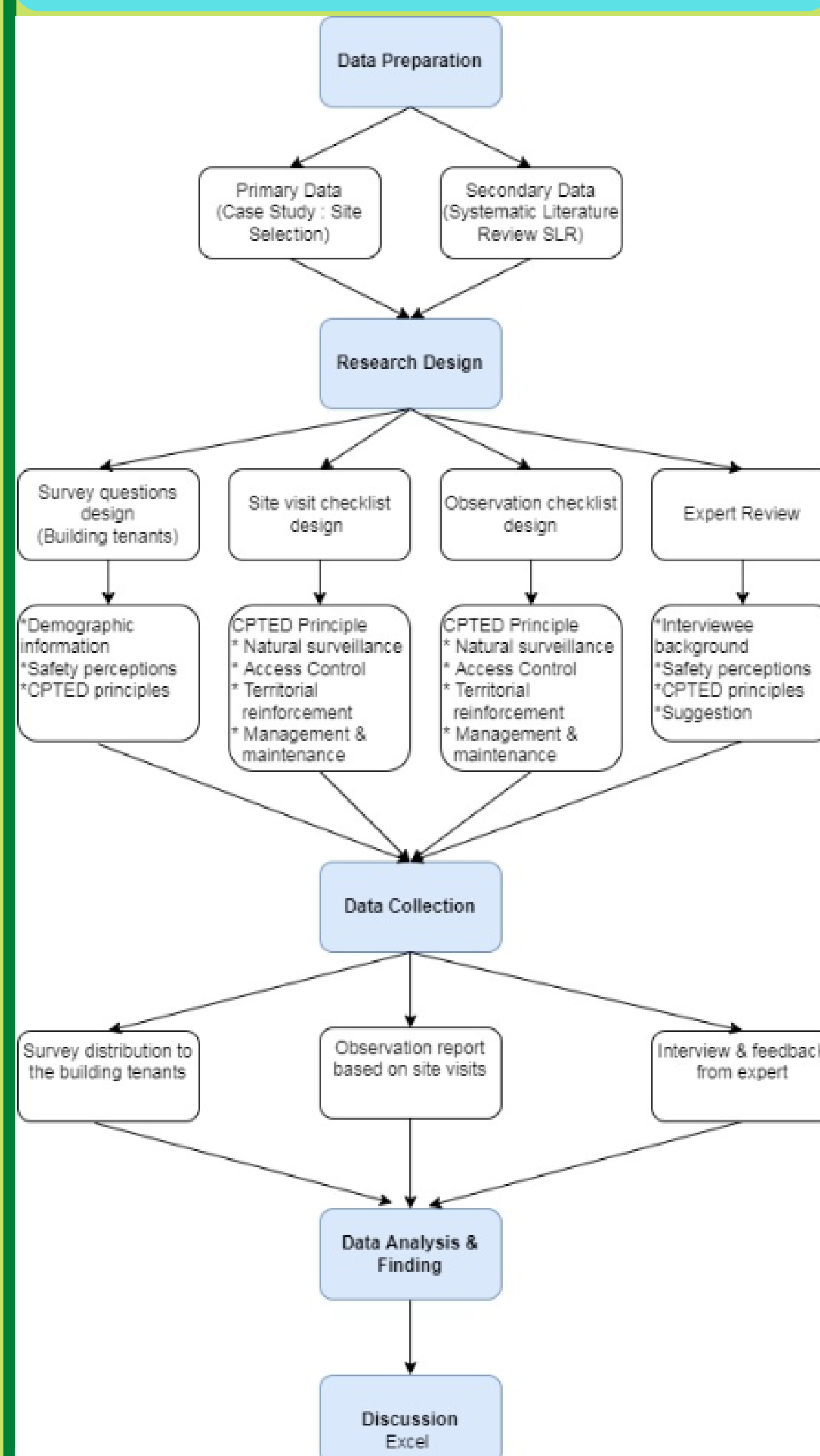
RESEARCH OBJECTIVE

- To identify the CPTED security issues in the IT Organization.
- To analyze the CPTED security issues faced by the IT Organization.
- To design CPTED framework for the IT Organization.

RESULT & ANALYSIS



METHODOLOGY



CONCLUSION

Vulnerabilities and threats related to building security must be addressed as a priority. Security concepts, architectural features, and security technologies must now be integrated and combined into a balanced, holistic solution. The application of CPTED principles can best be achieved by understanding the fundamental concepts, principles and techniques of security design in any industry, rather than being limited to the planning and design of new urban areas. The research provides information on the current state of physical security in the IT organization. From the data collected, it is evident that the organization has a number of physical and environmental policies in place. However, management is committed to reviewing the physical security and CPTED checklist to ensure physical security and safety within the organization.

References

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