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*A thesis submitted to the Department of EEE for the partial fulfillment of the degree of
B.Sc. in Electrical & Electronic Engineering*

Under the Supervision of

Teacher Name
Designation
Department of EEE



Department of Electrical and Electronic Engineering



GREEN UNIVERSITY OF BANGLADESH

Semester-Year

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Supervisor

We declare that this thesis/project entitled “**Title**” is the result of our own work except as cited in the references. The thesis/project has not been accepted for any degree and it's not concurrently submitted in candidature of any other degree.

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Acknowledgments

First and foremost, we would want to give thanks and appreciation to "Almighty God," the most benevolent source of information and wisdom given to humankind, he gave us the mental capacity and aptitude to pursue this study of the fascinating ocean of information. Following that, we would want to express our gratitude to my parents for their unwavering support and concern during my whole academic career. It is a great honor for us to work under the guidance of our honorable supervisor **Supervisor Name**, Designation, Department of Electrical and Electronic Engineering, Green University of Bangladesh. This study on "**Thesis Title**" would not have been feasible without his tireless assistance, academic advice, and kind collaboration.

Additionally, we appreciate the collaboration and assistance of all the esteemed EEE Department faculty members, especially **Dr. Md. Hasan Maruf**, chairperson of the Departmental of Electrical and Electronic Engineering, Green University of Bangladesh for their unwavering support and kind assistance provided in a cordial and enjoyable manner during the project process. Although the speed of this job prevents us from thanking everyone by name, we really appreciate their contributions. We also want to thank all of the department's staff members and instructors who were involved in their various periods of direct and indirect support.

Dedicated to

My beloved parents

Abstract

The abstract is typically a single paragraph. The abstract should be considered as an independent document, so that the abstract does not rely upon any material in the body of the report and, similarly, the body of the report does not rely upon any material in the abstract. In the first one or two sentences you should clearly state the usefulness/ need/ application of this research. Then present the objective of the thesis. If the experiment is based upon a hypothesis, which is greatly preferred, the hypothesis should be stated and followed with statements describing its basis and evaluation. The subsequent sentences describe how the investigation was carried out. The following sentences describe, with as much precision as possible without being verbose, the results of the experiment. The final sentences describe the significance of the results and the impact of this work on the general field of study. It should present the salient observation from the results. The thesis should also clearly present the main contribution along with the potential application.

Word Limit 300-350

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List of Symbols

β	Beta
α	Alpha
θ	Theta
γ	Gamma
ρ	Rho (Density)
π	Pi (3.1416)

List of Acronyms

WSN	Wireless Sensor Network
EH-WSN	Energy Harvesting Wireless Sensor Network
ORP	Optimal Relay Placement
SMRMC	Sustainable Minimum Relay Maximum Connectivity
MILP	Mixed Integer Linear Program
MATLAB	Matrix Laboratory

Chapter 1

Introduction

The introduction requires a short review of the literature pertaining to the research topic. The introduction is then best constructed as a descriptive funnel, starting with broad topics and slowly focusing on the work at hand. Perhaps three to four paragraphs are needed. One approach may be to start with one or two paragraphs that introduce the reader to the general field of study. The subsequent paragraphs then describe how an aspect of this field could be improved. The final paragraph is critical. It clearly states, most likely in the first sentence of the paragraph, what experimental question will be answered by the present study. The hypothesis is then stated. Next, briefly describe the approach that was taken to test the hypothesis. Finally, a summary sentence may be added stating how the answer of your question will contribute to the overall field of study.

1.1 Introduction

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1.2 Objective

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1.3 Problem Statement

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Video provides a powerful way to help you prove your point. When you click Online Video, you can paste in the embed code for the video you want to add. You can also type a keyword to search online for the video that best fits your document.

1.4 State-of-the-art Solution

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1.5 Practical Implementation (Additional)

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1.6 Design Goals

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1.7 Contribution

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1.8 Outline

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- **Chapter 2: Chapter name** When you work on a table, click where you want to add a row or a column, and then click the plus sign.
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- **Chapter 4: Chapter name** When you work on a table, click where you want to add a row or a column, and then click the plus sign.
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Chapter 2

Background and Motivation

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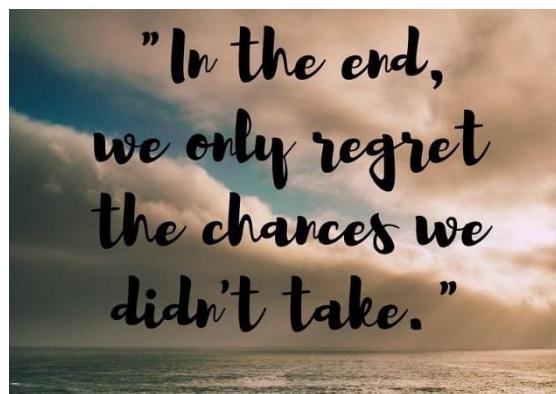


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2.2 Literature Review

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2.3 Comparison

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2.3.1 Sub Section of Discussion

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$$\text{Equation Format} \quad (1)$$

2.4 Summary

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Chapter 3

Methodology

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3.1 Introduction

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Figure 3.2: Figure Name

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$$(x + a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k} \quad (2)$$

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3.2 Propositions and Hypothesis

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3.2.1 Subsection 1

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- Item 1
- Item 2

3.2.2 Subsection 2

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- Item 1
- Item 2

3.3 Summary

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Chapter 4

Result Analysis

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4.1 Introduction

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4.2 Simulation Environment

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$$(1 + x)^n = 1 + \frac{nx}{1!} + \frac{n(n-1)x^2}{2!} + \dots \quad (3)$$

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4.3 Basic Data

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4.3.1 Data Collection Procedure

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4.3.2 Data Preprocessing

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Chapter 4: Result Analysis

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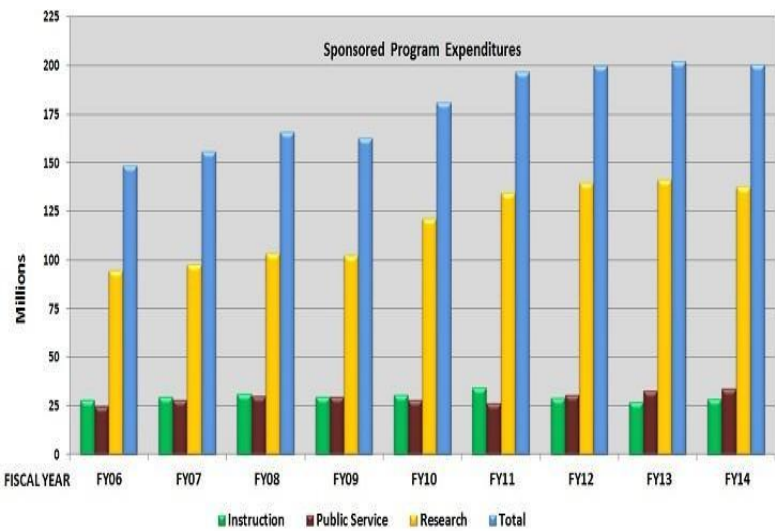


Figure 4.1: Figure Name



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4.4 Confusion Matrix

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$$f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \cos \frac{n\pi x}{L} + b_n \sin \sin \frac{n\pi x}{L} \right) \quad (4)$$

$$\sin \sin \alpha \pm \sin \sin \beta = 2 \sin \sin \frac{1}{2}(\alpha \pm \beta) \cos \cos \frac{1}{2}(\alpha \mp \beta) \quad (5)$$

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Table 4.1 Table Name

4.5 Result and Discussions

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Chapter 5

Conclusion

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5.1 Introduction

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5.2 Discussion

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5.3 Practical Implications

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5.4 Potential Application

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5.5 Future Scope

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Reference

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Annexure

If needed...