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Your report should meet following standards:

Font Name: Times New Roman

Left Margin: 1 inch

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Header and Footer: 0.5 inch

Line Spacing: 1.5

Paragraph Spacing: 18 pt

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Follow following standard for headings

1. Heading1 (16 pt, Bold)

1.1 Heading2 (14 pt, Bold)

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1.1.1.1 Heading4 (12 pt, Bold)

1. ARRANGEMENT OF CONTENTS:

The sequence in which the project report material should be arranged and bound should be as follows:

1. Cover Page
2. Title Page
3. Certificate of Approval
4. Corporate Certificate
5. Acknowledgment
6. Abstract
7. Table of Contents
8. List of Figures (if any)
9. List of Tables (if any)
10. List of Symbols (if any)
11. Abbreviations (if any)
12. Chapters
13. References
14. Appendices (if any)

** Students can add their own topics or sub-topics as per necessity.*

** Justify (alignment) the report for clean look at both left and right side of page.*

**The level of English writing must be appropriate to the level of the respective classes.*

Normally, there should be no first person references (e.g., I, we, us) in the report. If self-reference is required, reference may be made to “the author” or “this study”.

MAHENDRA VIDYA ASHRAM

Peeth-Barahisthan, Bhaktapur - 03



Project Report on “Project Title”

A Terminal Project Report submitted in the partial fulfillment of the requirements for
Grade in <Subject Name>

**Under the supervision of
“Supervisor Name”
“Designation”**

**Submitted by
Full Name**

**Submitted to
MAHENDRA VIDYA ASHRAM
Peeth-Barahisthan, Bhaktapur, Nepal
October ____, 2017**

Project Title
[Subject Name]

A Terminal Project Report submitted in the partial fulfillment of the requirements for Grade in <Subject Name>

Submitted by
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Submitted to
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Peeth-Barahisthan, Bhaktapur, Nepal
October ____, 2017



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CERTIFICATE OF APPROVAL

The undersigned certify that they have read and recommended to the Department of Environment, Health and Population for acceptance, a project report entitled “**SAFE DRINKING WATER IN THIMI**” submitted by **Alok Dhonju, Ayush Basnet and Aayush Kayastha** in the partial fulfillment of the requirement for Grade Nine.

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Supervisor's Name
Supervisor
Department's Name

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ACKNOWLEDGEMENT

It gives us immense pleasure to express our deepest sense of gratitude and sincere thanks to our highly respected and esteemed guide Er./Mr.(Supervisor name with full designation if any), for his/ her valuable guidance, encouragement and help for completing this work. His/ her useful suggestions for this whole work and co-operative behavior are sincerely acknowledged.

We would like to express our sincere thank to Er./Mr(with full designation and department), for giving us this opportunity to undertake this project. We would also like to thank Er./Mr.(Head of Department name with full designation) for whole hearted support.

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At the end we would like to express our sincere thanks to all our friends and others who helped us directly or indirectly during this project work.

Student(s) Name

Full Name

ABSTRACT

The use of wastewater has been a great issue worldwide. Despite the issue of wastewater the generation of electricity has also been crucial for the current scientific and technological world. . So, 'Microbial Fuel Cell (MFC)' can be used for the reuse of the wastewater to generate electricity.

Although the water that is used and thrown out; wastewater, is considered to be useless despite its use in irrigation. But it can later on carry the risk of damaging the environment. So, 'MFC' can be used for the reuse of the wastewater prior to irrigation. The MFC can be used effectively in Bhaktapur district as well. The Hanumante River has more than enough waste water to supply electricity to a small town perhaps. Unlike the hydroelectric plants which take ages to complete and require sophisticated technology, the MFC is cost effective and time saving.

In this research project, the anaerobic bacteria were studied in order to generate electricity. The MFC simply uses the bacteria which throw out electron. The electrons are harvested in order to convert it into energy. A simple MFC was prepared with the help of top soil, wastewater, salt bridge, wires and bulb. The top soil was used as a source of bacteria (anode) and the wastewater as cathode. After completing the task, the bulb lit that showed that the electricity is being produced.

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ABBREVIATIONS

AES	Advance Encryption Standard
DES	Data Encryption Standard
GF	Galois Field
QoS	Quality of Service
RMI	Remote Method Invocation
S – Box	Substitution Box
GTPBE	Grid and Thread Pool Based Cryptography

CHAPTER 1: INTRODUCTION

1. 1 Background

The protection of sensitive data that has to be transmitted on the computer network has been the most challenging issue in the field of computer. Cryptographic algorithms play a crucial role in the information society by providing protection from unauthorized access to sensitive data.

Although the security of encryption algorithm like Advanced Encryption Algorithm (AES) is beyond doubt, the limitations in computing power of a personal computer has caused the difficulties for encrypting the data file which is large in size. Hence this system allows encrypting the large files with the existing computational power of the personal computers by the use of grid based computation.

In this research work, a Grid-Based Cryptography application was studied and developed. It is an application that uses the computational resources and power of multiple personal computers in order to encrypt large files. The encryption standard Advanced Encryption Standard (AES) was used as the encryption. Grid nodes were generated for the computation. Grid manager splits the large text file into small file size and distributes them among the available grid nodes. Grid manager constantly checks for untreated file and failure of any grid node. After completing the task, the grid nodes return the cipher text back to the grid manager.

CHAPTER 7 : REFERENCES

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