TOPIC OF THE PROJECT

# MINI PROJECT REPORT

***Submitted in partial fulfillment of th*e *requirements for the award of the degree***

***of***

**BACHELOR OF TECHNOLOGY**

***in***

**COMPUTER SCIENCE & ENGINEERING**

***by***

**Name of the Student Enrollment No: XXX**

**Name of the Student Enrollment No: XXX**

**Name of the Student Enrollment No: XXX**

***Guided by***

**Name of the Mentor Prof/Assoc. Professor/Assis. Prof**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**BHARATI VIDYAPEETH’S COLLEGE OF ENGINEERING**

**(AFFILIATED TO GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI)**

**DELHI – 110063**

**DECEMBER 2020**

**CANDIDATE’S DECLARATION**



It is hereby certified that the work which is being presented in the B. Tech Mini Project Report entitled **"NAME OF THE TOPIC"** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** and submitted in the **Department of Computer Science & Engineering** of **BHARATI VIDYAPEETH’S COLLEGE OF ENGINEERING, New**

**Delhi (Affiliated to Guru Gobind Singh Indraprastha University, Delhi)** is an authentic record of our own work carried out during a period from **August 2020 to December 2020** under the guidance of **Name of the Mentor, Designation.**

The matter presented in the B. Tech Mini Project Report has not been submitted by us for the award of any other degree of this or any other Institute.

|  |  |  |
| --- | --- | --- |
| **(Name of the Student)** | **(Name of the Student)** | **(Name of the Student)** |
| **(En. No: XXXXXX)** | **(En. No: XXXXXX)** | **(En. No: XXXXXX)** |

This is to certify that the above statement made by the candidate is correct to the best of my knowledge. He/She/They are permitted to appear in the External Major Project Examination

# (Name of the Mentor) Prof. Kirti Gupta

**Designation Head, CSE**

The B. Tech Mini Project Viva-Voce Examination of **Name of the Student (Enrollment No: XXX),** has been held on **……………………………….**

# (Signature of External Examiner)

**Project Coordinator Project Coordinator**

The abstract is maximum 200 words.It gives the summary of the work.

We express our deep gratitude to **Name of the Mentor**, Designation, Department of Computer Science & Engineering for his/her valuable guidance and suggestion throughout my project work. We are thankful to **Name of Project Coordinators,** Project Coordinators, for their valuable guidance.

We would like to extend my sincere thanks to **Head of the Department, Name** for her time to time suggestions to complete our project work. We are also thankful to **Name, Principal** for providing us the facilities to carry out our project work.

# Note: Students may thank to the persons whom they would like to acknowledge.

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| **Sign** | **Sign** | **Sign** |
| **(Name of the Student)** | **(Name of the Student)** | **(Name of the Student)** |
| **(En. No: XXXXXX)** | **(En. No: XXXXXX)** | **(En. No: XXXXXX)** |



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Figure 1.1

Figure 1.2

Figure 1.3

Figure 1.4

Figure 1.5

Figure 1.6

Figure 1.6

Figure 3.1

Figure 3.2

Figure 3.3

Figure 3.4

An Electrical Distribution System

Block Diagram Representation of the Distribution System Types of Distribution System Radial Distribution System.

Colored Coefficients for Terminal Nodes with WPT up to 3rd

Parallel Feeder

SaskPower in Saskatchewan (Canada) IEEE 13 – Node Feeder

Wavelet multi resolution analysis of fault signal o(q) 3rd level Wavelet Packet Transform Decomposition Tree Faulted Phase Current Waveform



Table 1.1 Zone-wise Categorization of Sample Distribution 1 (SD 1) Table 1.2 Zone-wise Categorization of Sample Distribution 2 (SD 2)

|  |  |
| --- | --- |
| SD 1 | Sample Distribution System 1 |
| SD 2 | Sample Distribution System 2 |
| ANN | Artificial Neural Network |
| WT | Wavelet Transform |
| WPT | Wavelet Packet Transform |
| DWT | Discrete Wavelet Transform |
| CWT | Continuous Wavelet Transform |
| ANN | Artificial Neural Network |
| GT | Gabor Transform |
| MBWT | M – Band Wavelet Transform |
| DTCWT | Dual Tree Complex Wavelet Transform |
| MLP | Multi-Layer Perceptron |

Total Classification Error (%) Number Of Misclassified Sample Total Number Of Samples Location Error

|  |  |
| --- | --- |
| *TC* | : |
| *err* | |
| *Nms* : | |
| *N S* : | |
| *Lerr* | : |
| *D* | : |
| *O* |  |

Output Distance Calculated

The student should write the chapters of the B. Tech Project Report in this format. The report may consist of maximum five (05) chapters.

# INTRODUCTION

The student should write introduction of the project.

# Electrical Engineering

The student should write sub- heading and explain the sub – topics in this format.

**1.3 MOTIVATION**

The motivation of the project includes the literature survey carried out to complete the project.

**1.4 OBJECTIVE**

The objective of the project should be in bullets.

**SUMMARY OF THE REPORT**

Student should write about the content of the report what is included in all chapters.

# Chapter 2: Related Work

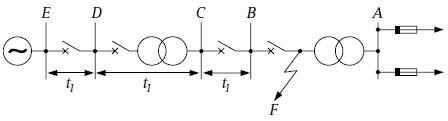
# Chapter 3: Research Methodology

**Chapter 4: Results & Analysis**

**Chapter 5: Conclusion**

❖

# Figures Should Be Represented in the following format:



**Figure 1.4: Radial Distribution System.**

* + - **Tables Should Be Represented in the following format:**

**TABLE 1.1: Zone-wise Categorization of Sample Distribution 1**

|  |  |  |
| --- | --- | --- |
| **Zone** | **Nodes** | |
| Zone 1 | 1 | - 4 |
| Zone 2 | 5, 6 | & 13 |

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