**PROJECT TITLE**

*Mini Project report submitted*

*in partial fulfilment of the requirement for the degree of*

**Bachelor of Technology**

By

**Name of the student (Roll No.)**

Under the guidance

of

**GUIDE NAME**

**

**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**

**ASSAM ENGINEERING COLLEGE**

JALUKBARI- 781013, GUWAHATI

**Month, Year**

****

**ASSAM ENGINEERING COLLEGE, GUWAHATI**

**CERTIFICATE**

This is to certify that the report entitled “Project Title” submitted by Student Name (Roll No.) of B. Tech 6th semester, Electronics & Telecommunication Engineering, is an authentic work carried out by them under my supervision and guidance.

To the best of my knowledge, the matter embodied in the report has not been submitted to any other University/Institute for the award of any Degree or Diploma.

**Signature of Supervisor(s)**

**Name(s)**

**Department(s)**

**Assam Engineering College**

Month, Year

**DECLARATION**

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

(Signature)

(Name of the student)

(Roll No.)

Date: \_\_\_\_\_\_\_\_\_\_

**ACKNOWLEDGMENT**

This section should contain the acknowledgements due to the Dept HOD, Project supervisor, Department guide, Laboratory Incharge (where the work was carried out), faculty members or any other person whose assistance was sought during the project work.

STUDENT NAME (ROLL NO.)

**ABSTRACT**

The abstract is brief synopsis of the project work and should be written in four paragraphs. The first paragraph should introduce the area of the topic and give importance of the work / topic in the present day scenario, hence leading to the objective of the project work. The second paragraph should briefly discuss the methodology that was adopted in the work. The third paragraph should discuss briefly the important results that were obtained and its significance. The fourth paragraph should discuss the important conclusion(s) of the project work. If you have used some software tools/packages or hardware/systems, indicate them in the last line. (The abstract should fit in one page only)

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**CHAPTER 1**

**INTRODUCTION**

This chapter should include

* Introduction (1 paragraph brief of what is going to be discussed in this chapter)
* Introduction to the area of work (general discussion)
* Brief present day scenario with regard to the work area
* Motivation to do the project work
* *Shortcomings in the previous work / reference paper*
* *Brief importance of the work in the present context*
* *Uniqueness of the methodology that will be adopted*
* *Significance of the possible end result*
* Objective of the work
* *Main work objective*
* *Secondary objective if any*
* Target Specifications
* *Importance of the end result*
* Organization of the project report (chapter wise)

**CHAPTER 2**

**LITERATURE REVIEW**

This chapter should include

* Introduction (1 paragraph brief of what is going to be discussed in this chapter)
* Introduction to the project title (specific discussion)
* Literature review
* *Present state / recent developments in the work area*
* *Brief background theory*
* *Literature Survey*
* Summarized outcome of the literature review
* Theoretical discussions
* General analysis
* Mathematical derivations

**CHAPTER 3**

**METHODOLOGY**

This chapter should include

* Introduction (1 paragraph brief of what is going to be discussed in this chapter)
* Methodology
* Detailed methodology
* Assumptions made
* Circuit layout / one-line / block diagrams
* Component specifications
* Justification for component selection
* Tools used
* Detailed specification / listing of the various components, measuring devices, software tool boxes, reference data sheets etc

**CHAPTER 4**

**RESULT ANALYSIS**

This chapter should include

* Introduction (1 paragraph brief of what is going to be discussed in this chapter)
* Result analysis
* Graphical / tabular form
* Explanation for the graphical / tabulated results
* Significance of the result obtained

**CHAPTER 5**

**CONCLUSION AND FUTURE SCOPE OF WORK**

This chapter should include

* Brief summary of the work
* Problem statement / objective, in brief
* Work methodology adopted, in brief
* Conclusions
* General conclusions
* Significance of the results obtained
* Future scope of work.

**REFERENCES**

*Journal / Conference Papers*

[1] Name 1 and Name 2, “Paper Title”, Full Journal Name, volume no, publication year, page numbers

[2] Name 1 and Name 2, “Paper Title”, Proceedings of the International / National Conference on \_\_\_, Institution, Country, Date, page numbers

*Reference / Hand Books*

[1] Name 1, “Book Title”, Publication Name, Edition, ISBN number

*Web*

[1] Topic 1, website name (do not include long URL’s)

**ANNEXURES (optional)**

Annexure to include

* Product Data sheets
* Design drawings
* Standard diagrams
* Lengthy codes / algorithms etc

General Guidelines (Delete this page when making the report submission)

* Paper Size: A4; Left = Right = Top = Bottom Margins = 1”
* **Page Numbering Position: Bottom with right justified and continuous numbering from the Introduction Chapter**
* Use Times New Roman Font with Normal Style, paragraph justified and 1.50 line spacing
* **Paragraph Heading: Times New Roman Font, Bold, Font Size 14; Paragraph Matter: Times New Roman Font, Normal, Font Size 12;**
* Sub-paragraphs be appropriately numbered as in 1.1, 1.2, 1.3 etc; Sub-paragraph Heading: Times New Roman Font, Italics, Font Size 12; Sub-paragraph Matter: Times New Roman Font, Normal, Font Size 12;
* Figure captions below Figure with chapter wise numbering
* Tables captions above Table with chapter wise numbering
* All references must be quoted in ascending order (follow IEEE format for referencing)
* **Hard copy of the report (spiral bind) will be accepted**.
* **Arrangement of contents**

[1] Cover page (same as inner page)

[2] Inner page

[3] A transparent cover

[4] Candidate’s declaration

[5] Acknowledgement

[6] Abstract

[7] List of Figures

[8] List of Tables

[9] Table of contents

[10] Chapters 1, 2, 3, 4, 5

[11] References (follow IEEE format)

[12] Annexure

* Report formatting should not be disturbed in any form
* **Project students are requested to discuss with their department guides regarding the contents of the project report**
* Hard Copies to be submitted: 1
* Soft copy (both word and pdf format) to be submitted via email to project coordinators before due date.