# FORMAT FOR PREPARATION OF
# B.TECH. PROJECT REPORT

## Department of Electrical Engineering
## Narula Institute of Technology
## 81, Nilgunj Road, Agarpara, Kolkata – 700 109
## West Bengal, India

# GENERAL INSTRUCTIONS

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

1. Title Page
2. Recommendation by Project Supervisor
3. Certificate of Approval
4. Acknowledgement
5. Table of Contents
6. List of Tables *
7. List of Figures *
8. List of Symbols, Abbreviations and Nomenclature *
9. Chapters
   a) Introduction
   b) Literature Review
   c) Theoretical Background
   d) System Specifications
   e) Design of Proposed System
   f) Testing
   g) Results and Discussion
   h) Conclusion
   i) Future Scope
10. Appendices: specification sheet / data sheet / coding.
11. References: Should be as per IEEE format of papers / journals / books.

**Note:**

I. In case of literature review, reference numbers should be cited in appropriate place.

II. The table and figures are to be included in the appropriate places and to be referred in the body of the report.

III. The project report should have a minimum of 40 pages excluding the content pages.

IV. All the project reports should be hard binded.

V. Each report should be furnished for the individual student along with two copies (one for department and one for project supervisor) of the report are to be submitted mentioning the entire group member's name.

*6, 7, 8 as applicable

# PROJECT REPORT FORMAT

| | |
|---|---|
| Quality | White bond paper |
| Size | A4: height 297 mm, width 210 mm |
| Word Processor | Microsoft Word or equivalent |
| Equations | Microsoft Equation Editor |
| Page Margin | Top Margin: 1 inch<br>Bottom Margin: 1 inch<br>Left Margin: 1 inch<br>Right Margin: 1 inch |
| Font | Times New Roman |
| Chapter Title | 16 pt. font size in bold face using both upper and lower case (all capitals or small letters shall not be used) |
| Vertical gap between chapter title line and the first paragraph | 1 inch |
| Font Size for Sub-Headings | 12 pt. font size in bold Title Case |
| Font size for Text | 12 pt. |
| Line Space for Text | 1.5 line space |
| Paragraph | 6 pt. Space before and after paragraph and Alignment "Justify". |
| Tables and Figures | Small size table and figures (less than half of writing area of a page) should be incorporated within the text, while larger ones may be presented on separate pages. |
| Table and Figure Number | Table and figures shall be numbered chapter wise, e.g., the second figure in Chapter 3 will bear the number Figure 3.2 |
| Location of Table and Figure Number | Table number: above the table<br>Figure number: below the figure. |
| Reference | Line Space should be single and 6 pt. space before the next reference and Alignment "Justify". |
| Footer in each page of the main body of the report | Name of institution: Centre<br>Page No.: Right |

# PROJECT REPORT

# ON

<Title of the Project in Bold and Uppercase>

Project Report submitted for partial fulfillment of the requirements for the

Degree of B. Tech.

in

Electrical Engineering

**Submitted by**

Name of the Student                              University Roll No.

<Name>                                           <Roll No>

Under the Guidance of

<Project Supervisor>

<Designation of the project supervisor>

Department of Electrical Engineering

Narula Institute of Technology

An Autonomous Institute under

Maulana Abul Kalam Azad University

(Formerly West Bengal University Technology)

81, Nilgunj Road, Agarpara, Kolkata – 700 109

West Bengal, India

<Academic Year>

**N.B.:   To be inserted as front page of the project report / thesis.**

# RECOMMENDATION

I hereby recommend that the project titled "<Title of the project>" submitted by <Name of project group members> be accepted in partial fulfillment of the requirement for the Degree of B. Tech. in Electrical Engineering from the Department of Electrical Engineering, Narula Institute of Technology, an autonomous institute under Maulana Abul Kalam Azad University of Technology (Formerly West Bengal University Technology).

Place:

Date:

_____

Project Supervisor

# CERTIFICATE OF APPROVAL

The seminar report entitled "<Title of the project>" prepared by <Name of individual project member / group members (for common report)>, is hereby approved and certified as a creditable study in technology subjects performed in a way sufficient for acceptance for partial fulfillment of the degree for which it is submitted.

It is to be understood that by this approval, the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the seminar only for the purpose for which it is submitted. The content of this project report, in full or in parts, has not been submitted to any other institution or university for the award of any Degree or Diploma.

Place:

Date:

_____

Project Supervisor

_____

External Examiner

_____

Head of the Department

# ACKNOWLWDGEMENT

I/we would like to extend my/our sincere and profound gratitude to my/our Potential Supervisor, <Name of the project supervisor>, <Designation of the project supervisor>, Department of Electrical Engineering, Narula Institute of Technology, Kolkata for his/her experienced guidance, perseverance and hospitality.

In this connection, I/we would also like to thank those people, directly or indirectly, attached to the department without whose help and support, I/we could not have done it.

Though utmost care has been taken to make the report error free, a few inadvertent errors have crept in which is regretted. Any technical suggestion regarding this report will be highly appreciated.

**\* To be duly signed by individual / group member of the project.**

# CONTENT

and so on.

# FORMATTING OF REFERENCES

List and number all references in 12 pt. Times New Roman, single-spaced, at the end of your paper. When referenced in the text, enclose the citation number in square brackets, e.g., [1].

Journal:

[1]     K. Chatterjee, D. V. Ghodke, A. Chandra, K. Al-Haddad (<Author Name(s)>), "<Title of the paper>", <Journal name>, <Publication year>, <Volume No.>, pp. x-y (page no.).

Conference:

[2]     G. Wei, J. Hongchao, Y. Xingwu, (<Author Name(s)>), "<Title of the paper>", <Conference name>, <Publication year>, pp. x-y (page no.).

Books:

[3]     N. Mohan, T. M. Undeland, W. P. Robbins (<Author Name(s)>), "<Title of the book>", <No. of edition>, <Publisher>.

Webpage:

[4]     Refer exact URL. Don't write as "www.google.com", "www.wikipedia.org" etc.