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| Mar Athanasius College of EngineeringKothamangalam | *E:\MACE\Mini project lab\MACE Logo.png* |

**Guidelines for preparing the Project Report**

***Facing Page***:

The title of the Project , author, department, month and year of submission along with the emblem of the institute shall be included on the first cover. This may be made in special quality paper (plastic coated Light Blue (2016 Batch).

***Inner cover***:

(Second Page) Contents can be the same as that of the front cover but an ordinary A4 size sheet.

* **Use single column format , double side printing for department**

**copy and personal copy**

* **Full justification of all texts**
* **Ensure that each new paragraph is clearly indicated with Single tab**
* **Ensure that each new section heading is separated by single**

**Space**

* **Each chapter should be started with few introductory sentences,**

**(3 to 4) before the section heading**

* **Each chapter should be ended with few concluding statements (3 to 4) as summary**
* **Use MS Word or equivalent LATEX.**

**Margins:**

Left Margin : 1.5 inch (To accommodate binding area)

Right Margin : 1.25 inch

Top : 2 inch on pages on which chapter begins

1 inch other pages

Header : Right Justified (Name of the project)

Footer : Left (B-Tech 2016) Center (Page Number) Right(Department of XX)

* The **preliminary pages** are numbered in *roman numerals* (i,ii, etc.). The first page of chapter 1 onwards shall be numbered in *Arabic* numerals (1,2,3…..).
* **Number the equations consecutively** and it shall be referred in the text as shown in the example.

5x + 8 = 20 (3.1)

It shall be referred in the text as Eqn. (3.1)

* Indicate references by number in **square bracket** in line with the text.
* All publication sited in the text should be presented in the list of references.
* Number the references (number in the square bracket) in the reference list, in the order in which they appear in the text/alphabetical order, suggested by the department .

If more than 2 authors, the first should be listed followed by ‘*et al*[1]’ in literature survey.

* Tables should be numbered ( Example: Table 2.2 Comparison of Costs) consecutively and given suitable captions above the table. Referred in the text as Table 2.2
* Graphs/plots shall be clear with axes information and number them(Example: Fig 2.2 Variation of Temperature in a typical day) consecutively and suitable captions shall be given below the plot/graph. Referred in the text as Fig.2.2
* Figure axis labels are often a source of confusion. Try to use words rather than symbols. As an example, write the quantity “Magnetization,” or “Magnetization, *M*,” not just “*M.”* Put units in parentheses. Do not label axes only with units.

**Copy paste or import from the simulated sheets of software packages will not produce clear graphs/plots and shall not be produced in the thesis.**

* Colour illustrations and photos are allowed ***only if it is clear and necessary***. Same shall also be numbered and titled at the bottom.
* All figures and tables must be placed in the text near, but not before, where they are first mentioned.
* If there are some appendices, these can be numbered as A*1*, A*2*, A*3* etc. The equations in these appendices can be numbered as (A*1.1*), (A*2.3*) etc.

**All reports shall be soft bound (Light Blue Colour (2016 Batch)) only with plastic laminated cover.**

**Important**

**Soft copy of the complete project report shall be handed over to HOD by the faculty advisor/project coordinator (collected through class representatives) after the approval.**

**Hard copies : Dept. office -1, Guide(s)- 1 each, student(s)- 1 each**

Project title

Capital, Bold 18

All letters are Times New Roman

*A Project Report*

*Submitted by*

Italics, 12

NAME 1

Italics,12

NAME 2

Capital, Bold 14

NAME 3

*In partial fulfillment for the award of the Degree of*

Italics,12

BACHELOR OF TECHNOLOGY

IN

Capital, Bold 14

XXXXXXXXXXX ENGINEERING

******

#### Department Of XXXXXXXXXXXX

#### Mar Athanasius College of Engineering

#### Kothamangalam, KERALA,INDIA 686666

Capital, Bold, 14

Capital, Bold, 14

#### *Affiliated to*

**Mahatma Gandhi University**

Italics, 12

**Kottayam, Kerala, India**

**March 2016**

Bold, 16

Project title

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Italics, 12

**Kottayam, Kerala, India**

**March 2016**

Bold, 16

Department of XXXXXXXXXXXXXXXXXXXXXXXXXXX

#### Mar Athanasius College of Engineering

Kothamangalam

Capital, Bold, 14

**

**Colour Print**

CERTIFICATE

Bold Capital 18

Italics,12

# 

## *This is to certify that the project report entitled*

Capital Bold,14

Italics,12

## **PROJECT TITLE**

## *Submitted by Mr./Ms. Tom Joseph Reg. No.EE1306 towards partial fulfillment of the requirements for the award of Degree of Bachelor of technology in xxxxxx Engineering is a bonafide record of the work carried out by him/her under our supervision and guidance.*

Prof./Dr.……………… Prof./Dr…………………. Prof./Dr.………………

**Name of Project Guide Name of Project Coordinator Head of the Department**

Bold ,12

Bold ,12

***Place:***

***Date:*** ***(Office Seal)***

Font:-Times New Roman Size :- 12

Italics Letters

ACKNOWLEDGEMENT

Bold ,16,Captial

First and foremost, I sincerely thank the ‘God Almighty’ for his grace for the successful and timely completion of the seminar.

I express my sincere gratitude and thanks to Dr. Soosan George T, our Principal and Dr. Xxxxx, Head Of the Department, Xxxxxxxxx, for providing the facilities and all the encouragement and support.

**Acknowledgement to guide and to all others( if any)**

Finally, I would like to acknowledge the heartfelt efforts, comments, criticisms, co-operation and tremendous support given to me by my dear friends during the preparation of the seminar and also during the presentation without whose support this work would have been all the more difficult to accomplish*.*

**Note:**

The student name should not be typed at the end of the acknowledgement.

Name of staff-in-charge should be suitably substituted.

i

**ABSTRACT**

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An abstract should briefly describe **motivation, statement of the concept, relevance in the present scenario, brief methodology results and conclusion**. The abstract should not exceed more than one paragraph. Bullets and numberings should be avoided. The word limit for the abstract is 250 words. Keywords should be in italics.

Maximum 250 words

iiCONTENTS

**LIST OF FIGURES** …………**…………………………………………......…i**

Bold ,16,Captial

**LIST OF TABLES** (optional)**……………………………………………..…..ii**

**LIST OF ABBREVIATIONS** (optional)**.. …………….……………………...iii**

**LIST OF SYMBOL(**optional**)………………………………………………….iv**

1. **CHAPTER 1(INTRODUCTION)(12,Bold)..................................................1**
2. **CHAPTER 2(LITERATURE SURVEY, EXISTING SYSTEM)...............2**
3. **CHAPTER 3 …………....................................................................................3**
   1. **Heading(Capital 12,Bold)................................................................** 4
   2. **Heading(Capital 12,Bold)................................................................** 5
4. **CHAPTER 4 ………………………………………………………................6**
   1. **Heading(Capital 12,Bold)............................................................... 6**
   2. **Heading(Capital 12,Bold)...............................................................** 10
      1. **Subheading (Lower case,10 bold)………….………………………………….**10
5. **CHAPTER 5…………………………………................................................ 11**
   1. **Heading(Capital 12,Bold)............................................................... 11**
   2. **Heading(Capital 12,Bold)............................................................... 12**
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6. **CHAPTER 6 ………………………………………………………….………15**
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**Annexures (source code,data sheet ….etc)**

iiiLIST OF FIGURES

Bold ,16,Captial

Figure 1.1 <title of the figure> <page no>

Figure 2.1

Figure 3.1

<screenshots in annexure II should be numbered as screenshots 1,2 etc and should not be included in the list of figures>

ivLIST OF TABLES

Bold ,16,Captial

Table 1.1 <title of the Table> <page no>

Table 1.2

Table 1.3

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Table 2.1

vLIST OF ABBREVIATIONS

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# MPOP - Maximum Power Operating Point

MPPT - Maximum Power Point tracking

viLIST OF SYMBOLS

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# I0 **-** Output Current in A

# V0 **-** Output Voltage in V

# vii**CHAPTER**

**INTRODUCTION**

Header from this point onwards : Name of the project (10, Times New Roman)

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.Each chapter should start with **few introductory sentences** (3 to 4) before the section heading

* 1. **[SECTION HEADING]**
     + Use single column format , double side printing for department
     + copy and personal copy
     + Full justification of all texts
     + Ensure that each new paragraph is clearly indicated with Single tab
     + Ensure that each new section heading is separated by single

Space

* + - * Use MS Word or equivalent LATEX

Left Margin : 1.5 inch (To accommodate binding area)

Right Margin : 1.25 inch

Top : 2 inch on pages on which chapter begins

1 inch other pages

Header : Right Justified (Name of the project)

Footer : Left (B-Tech 2016 Center (Page Number) Right(Department of CSE)

Line Spacing : 1.5

* + 1. **[Sub-Section Heading]**

Footer from this page onwards:( 10, Times New Roman)

B.Tech 2016 Page Number Dept. of CSE

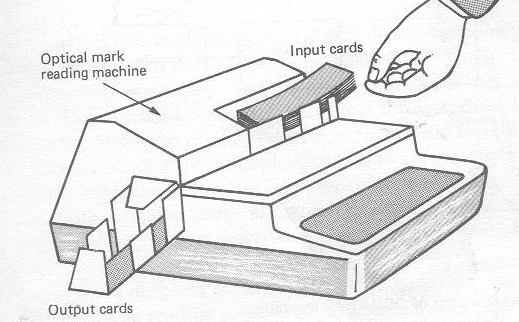
**Table 1.1 Table Name**

Table caption should be given above the table

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**Figure 1.1 Figure Name**

Figure caption should be given bottom of the figure

**\* Each chapter should be ended with few concluding statement(3 to 4) as summary**

**REFERENCES**

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[1] J. F. Fuller and K. J. Roesler, “ Influence of harmonics on power distribution system protection,” ***IEEE Trans. On Power Delivery***, Vol. 3, No 2, Apr. 1988, pp. 549-557.

[2] J. F. Fuller and K. J. Roesler, “ Influence of harmonics on power distribution system protection,” ***IEEE-PES Conference on Power Quality***, held at IIT Bombay, 20-23 Dec. 2003, pp.549-557.

[3] E. Clarke, ***Circuit Analysis of AC Power Systems***, Vol. I. 2nd ed, New York: Wiley Publications, 1950, p.81.

[4] ***www. doe.hov.org***/fundamental Series Item Power Quality and Harmonics.htm (as on 23-3-07)

**Note:**

* All publication sited in the text should be presented in the list of references.
* Number the references (number in the square bracket) in the reference list, in the order in which they appear in the text/alphabetical order, suggested by the department .

**Annexures(if any)**

Bold ,16,Captial