**REPORT OF FOUR WEEKS TRAINING**<Font size:18 times new roman-bold>

**(COURSE CODE)** <Font size:14 times new roman-bold>

***Submitted in partial fulfillment of the****<Font size:14 Italic-bold>*

***requirements for the award of the degree****<Font size:14 Italic-bold>*

***of*** *<Font size:14 Italic-bold>*

**BACHELOR OF TECHNOLOGY** <Font size:14 times new roman-bold>

**IN** <Font size:14 times new roman-bold>

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**<Font size:14 times new roman-bold>



***Submitted by:***

***STUDENT NAME (Roll. No.)***



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜਲੰਧਰ

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## REPORT GUIDELINES

1. The report shall be computer typed (English- British, Font -Times Roman, Size-12 point, Double spacing between lines) and printed on A4 size paper.
2. The report shall be hard bound with cover page in white color. The name of the candidate, degree, month of training, college name shall be printed in black on the cover [refer sample sheet (title page/front page)].
3. The report shall be typed on one side only with double space with a margin 3.5 cm on the left, 2.5 cm on the top, and 1.25 cm on the right and at bottom.
4. In the report, the title page [Refer sample sheet (title Page/front page)] should be given first then the Certificate by Company/Industry/Institute and then candidate‟s declaration, followed by an abstract of the report (not exceeding one page). This should be followed by the acknowledgment, list of figures/list of tables, notations/nomenclature, and then contents with page nos.
5. The diagrams should be printed on a light/white background, Tabular matter should be clearly arranged and the font of the Tabular matter should be Font –Times New Roman, Size-10 point, Single spacing between lines. Decimal point may be indicated by full stop(.). The caption for figure must be given at the BOTTOM(center aligned) of the figure and Caption for the Table must be given at the TOP(center aligned) of the Table. The font for the captions should be Times New Roman, *Italics*, Size-10 point.
6. The font for the chapter title should be Times New Roman, Bold, Capital, Size-16 point and center aligned.

The font for the Headings should be Times New Roman, Bold, and Size-14 point. The font for the sub- headings should be Times New Roman, Bold, and Size-12 point.

1. Equations should be numbered as 1.1, 1.2, 1.3 etc in chapter 1. Similarly as 2.1, 2.2, 2.3 etc in chapter 2 and so on.
2. Figures should be numbered as Figure1.1, Figure 1.2, Figure 1.3 etc in chapter 1. Similarly as Figure 2.1, Figure 2.2, Figure 2.3 etc in chapter 2 and so on.
3. Tables should be numbered as Table 1.1, Table 1.2, Table 1.3 etc in chapter 1. Similarly as Table 2.1, Table 2.2, Table 2.3 etc in chapter 2 and so on.
4. Conclusions must not exceed more than one page.
5. The graphs (optional) should be combined for the same parameters for proper comparison. Single graph should be avoided as far as possible.
6. The training report must consist of following chapters:

[Chapter-1] INTRODUCTION

[Chapter-2] TRAINING WORK UNDERTAKEN

[Chapter-3] RESULTS AND DISCUSSIONS / OBSERVATIONS [Chapter-4] CONCLUSION

1. References (For style of references follow the instructions attached)
2. Appendix (Any additional information regarding training, (If any) e.g. program, is supposed to be included in appendix

**CANDIDATE'S DECLARATION**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### I, “**NAME OF THE STUDENT**”, hereby declare that I have undertaken four week training at “**Name of** **Company/ Industry / Institute**” during a period from \_\_ to \_\_ in partial fulfillment of requirements for the award of degree of B.Tech. (Computer Science and Engineering) at Gulzar Group of Institutes, Khanna, Punjab. The work which is being presented in the training report submitted to Department of Computer Science and Engineering at Gulzar Group of Institutes, Khanna, Punjab is an authentic record of training work.

**Candidate Signature**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge and belief.

**Signature of Internal Examiner Signature of External Examiner**

# **ACKNOWLEDGMENT**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This training was a quite a learning experience for me at each and every step. It is my pleasure to acknowledge the contributions of all who have helped me and supported me during the completion of this Project report.

First, I thank God for helping us in one way or another and providing strength and endurance to us. I wish to express my sincere gratitude and indebtedness to our supervisor, **Supervisor Name**, **Name of Institute/Organization, CityName**; for her/his intuitive and meticulous guidance and perpetual inspiration in completion of this report. In spite of his/her busy schedule, he/she rendered help whenever needed, giving useful suggestions and holding informal discussions. His/Her invaluable guidance and support throughout this work cannot be written down in few words.

I am also humbly obliged by the support of my friends for their love and caring attitude. The sentimental support they rendered to me is invaluable and everlasting. They have helped me through thick and thin and enabled me to complete the work with joy and vigor.

I am also thankful to my parents, elders and all family members for their blessing, motivation and inspiration throughout my work and bearing with me even during stress and bad temper. They have always provided me a high moral support and contributed in all possible ways in completion of this Capstone report.

Sample Copy\*

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# Sample Copy\*

# LIST OF SYMBOLS

**SYMBOLS DESCRIPTION**

Ag Gross area of the section

Ac Net area of concrete

Ast Area of tensile steel in flexible member

Asc Area of compression steel

Asv Area of vertical stirrups

B Breadth of the beam

D Overall depth of the beam or slab

Φ Diameter of the bar

d Effective depth if the beam or slab

Sample copy\* **LIST OF ABBREVIATIONS**

**Abbreviations Description**

ed edition

et al and others

No. number (series)

p page/pages (book)

Vol volume (book)

AI Artificial Intelligence

|  |  |
| --- | --- |
|  |  |
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|  |  |
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(This chapter should include any results and the related discussions for the projects made during training. If no project has been made the results and snapshots for the tools learnt should be included)

#### 3.1

**3.2**

#### 3.3

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**4.1** Conclusion

#### REFERENCES

**-**

**APPENDIX** (Program or any additional information regarding training)

## (Note: Page No.s for different topics in report may vary according to the contents.

**Headings within the chapters should be numbered as 1.1, 1.2, 1.3 and so on for chapter 1. Similarly as 2.1,2.2, 2.3 and so on for chapter 2. The corresponding subheadings as 1.1.1, 1.1.2,**

## and so on.)

**CHAPTER 1**

**INTRODUCTION**

**REFERENCES**

**(References should be in the following format)**

*Basic Format:*

## Books

[1] J. K. Author, *Title of His Published Book, x*th ed. City of Publisher, Country: Abbrev. of Publisher, year*.*

*Examples:*

1. B. Klaus and P. Horn, *Robot Vision.* Cambridge, USA: MIT Press, 1986.
2. L. Stein, *Computers and You,* J. S. Brake, Ed. New York, USA: Wiley, 1994.
3. M. Abramowitz and I. A. Stegun, Eds., *Handbook of Mathematical Functions* (Applied Mathematics Series 55). Washington, DC, USA: NBS, 1964.

## Conference Technical Articles/Papers

*Basic Format:*

[1] J. K. Author, “Title of paper,” *Unabbreviated Name of Conference*, City of Conference, Country, year, pp. *xxx- xxx.*

*Example:*

[1] H. Chen, S. C. Laroiya, and M. Adithan, “Precision Machining of Advanced Ceremics” *International Conference on Advanced Manufacturing Technology (ICMAT - 94)*, Johor Bahru, Malaysia, 1994, pp. 203-210.

*Basic Format:*

## Periodicals (Journals/ Transaction/Magazines/Letters)

[1] J. K. Author, “Name of paper,” *Unabbreviated Title of Periodical*, vol. *x,* no. *x,* pp*. xxx-xxx,* Abbrev. Month, year.

*Examples:*

1. R. E. Kalman, “New results in linear filtering and prediction theory,” *Journal of Electrical Engineering*, vol. 83, no. 5, pp. 95-108, Mar. 1961.
2. Y. V. Lavrova, “Geographic distribution of ionospheric disturbances in the F2 layer,” *IET Microwaves, Antennas and Propagation*, vol. 19, no. 29, pp. 31–43, Feb. 1961.
3. E. P. Wigner, “On a modification of the Rayleigh–Schrodinger perturbation theory,” (in German), *International Journal of Computational Intelligence Studies*, vol. 53, p. 475, Sep. 1935.
4. W. Rafferty, “Ground antennas in NASA‟s deep space telecommunications,” *IEEE Transactions on Antennas and Propagation*, vol. 82, pp. 636-640, May 1994.

## Reports:

The general form for citing technical reports is to place the name and location of the company or institution after the author and title and to give the report number and date at the end of the reference.

*Basic Format:*

[1] J. K. Author, “Title of report,” Name of Company, City of Company, Country, Report No., *xxx*, year.

*Examples:*

[1] E. E. Reber “Oxygen absorption in the earth‟s atmosphere,” Aerospace Corporation, Los Angeles, USA, Tech. Rep. TR-0200 (4230-46)-3, Nov., 1988.

## Online Sources

***FTP***

*Basic Format:*

[1] J. K. Author. (year). *Title* (edition) [Type of medium]. Available FTP: Directory: File: *Example:*

[1] R. J. Vidmar. (1994). *On the use of atmospheric plasmas as electromagnetic reflectors* [Online]. Available FTP:atmnext.usc.edu Directory: pub/etext/1994 File: atmosplasma.txt

***WWW***

*Basic Format:*

[1] J. K. Author. (year, month day). *Title* (edition) [Type of medium]. Available: http://www.(URL) *Example:*

[1] J. Jones. (1991, May 10). *Networks (2nd ed.)* [Online]. Available: [http://www.atm.com](http://www.atm.com/)

## Patents, Standards, Thesis (M.S.) and Dissertations (Ph.D.)

***Patents***

*Basic Format:*

[1] J. K. Author, “Title of patent,” U.S. Patent *x xxx xxx*, Abbrev. Month, day, year. *Example:*

[1] J. P. Wilkinson, “Nonlinear resonant circuit devices,” U.S. Patent 3 624 125, July 16, 1990.

**NOTE:** Use “issued date” if several dates are given.

***Standards***

Basic Format:

[1] *Title of Standard*, Standard number, date. Examples:

1. *IEEE Criteria for Class IE Electric Systems*, IEEE Standard 308, 1969.
2. *Letter Symbols for Quantities*, ANSI Standard Y10.5-1968.

***Thesis (Master) and Dissertations (Ph.D.)***

*Basic Format:*

1. J. K. Author, “Title of thesis,” M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Country, year.
2. J. K. Author, “Title of dissertation,” Ph.D. dissertation, Abbrev. Dept., Abbrev. Univ., City of Univ., Country, year.

*Examples:*

1. J. O. Williams, “Narrow-band analyzer,” Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.
2. N. Kawasaki, “Parametric study of thermal and chemical non equilibrium nozzle flow,” M.S. thesis, Dept. Electron. Eng., Osaka Univ., Osaka, Japan, 1993.

*References in Text:*

***References in Text***

References are needed be cited in the text and they should appear on the line, in square *inside the punctuation.*

Grammatically, they may be treated as if they were footnote numbers, e.g.,

as shown by Brown [4], [5]; as mentioned earlier [2], [4]–[7], [9]; Smith [4] and Brown and Jones [5]; Wood et

al. [7] or as nouns:

as demonstrated in [3]; according to [4] and [6]–[9].

**NOTE:** Use *et al.* when three or more names are given.

***Reference List Style***

Reference numbers are set flush left and form a column of their own, hanging out beyond the body of the reference. The reference numbers are on the line, enclosed in square brackets. In all references, the given name of the author or editor is abbreviated to the initial only and precedes the last name. There must be only one reference with each number.

1. R. E. Kalman, “New results in linear filtering and prediction theory,” *Journal of Electrical Engineering*, vol. 83, no. 5, pp. 95-108, Mar. 1961.
2. Ye. V. Lavrova, “Geographic distribution of ionospheric disturbances in the F2 layer,” *Applied Soft Computing*, vol. 19, no. 29, pp. 31–43, Feb. 1961.
3. E. P. Wigner, “On a modification of the Rayleigh–Schrodinger perturbation theory,” (in German), *International Journal of Computational Intelligence Studies*, vol. 53, p. 475, Sep. 1935.
4. W. Rafferty, “Ground antennas in NASA‟s deep space telecommunications,” *IEEE Transactions on Antennas and Propagation*, vol. 82, no. 3, pp. 636-640, May 1994.

**Important:** Editing of references may entail careful renumbering of references, as well as the citations in text.