

Instructions for Writing B. Tech. Project Report

It is important that the procedures listed below be carefully followed.

1. Number of manuscripts to be printed:
 - a. Students copy one each
 - b. Copy for the guide/s
 - c. Copy for the department
 - d. Copy for industry (*if applicable*)
2. Submit soft copy of manuscript in the CD
3. Limit your project report to preferably 60-70 manuscript pages.
4. The footer should be included institute's name and B. Tech. mechanical engineering
5. The header should contain Name of Project.
6. Both header and footer should be TIMES NEW ROMAN and 10pt
7. Please number the pages on the front side, centrally below the footer.
8. Print the manuscript using letter quality computer printing.
9. The main part of manuscript should be TIMES ROMAN 12pt and justified. Use 1.5 line spacing and justify aligned
10. Use paper size 8.5" X 11" or A-4(210X197mm). Please follow following margins

Margin Location	Paper A4 (210X197mm)
Top	25.4 mm
Left	37 mm
Bottom	32 mm
Right	25.4 mm

11. All paragraphs will be 1.5 lines spaced with a one blank line between each paragraph. Each paragraph will begin with without any indentation.
12. Chapter titles should be bold with 16 pt. typed in all capital letters and should be aligned at the center of the page.

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13. Section heading should be aligned at the left with 14 pt. and bold and title case.
14. Sub-Section heading should be aligned at the left with 12 pt. and bold and title case.
15. Illustrations (Charts, drawings photographs, figures) are to be in the text. Use only illustrations pertinent to the text. Illustrations must be sharp, clear, black, and white. Illustrations downloaded from internet are not acceptable.
 - a. Illustrations should not be more than two per page. One could be ideal
 - b. Figure No. and title at bottom with 12pt.
 - c. Table No. and Title at top with 12 pt.
 - d. Legends below the title in 10pt.
 - e. Proper margin in all sides.
 - f. Illustrations as far as possible should not be Xeroxed (photocopy)
16. Photographs if any should be of glossy prints.
17. Please use SI system for units.
18. References should be either in order as they appear in the paper or in alphabetical order by last name of first author.
19. Symbols and notations if any should be included in nomenclature section only.
20. All chapters, section heading, and subheadings should be numbered. For chapters use numbers 1, 2,..... And for subheadings 1.1, 1.2 etc. and section subheadings 2.1.1, 2.2.2, 2.3.1 etc.
21. Following will be the order of report
 - Cover page and Front page
 - Certificate from the Institute
 - Certificate from the Industry
 - Acknowledgements
 - Abstract
 - Table of Contents
 - List of Figures
 - List of Table
 - Nomenclature
 - Introduction
 - Literature Review

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- Problem Definition
 - Need of the project
 - Problem statement
 - Objectives
 - Scope
 - Methodology
- Add chapters as to cover work done under project (like, design, analysis, simulation, experimentation, testing, manufacturing, results and discussion etc.)
- Conclusions
- References

22. References should be given in the body of the text and well spread. No verbatim copy or excessive text from only one or two reference should be used. If figures and tables are taken from any reference, then indicate its source. Please follow following procedure for references.

Reference Format

Journal

1. Curran, S., "Relationship of functional leg-length discrepancy to abnormal pronation: commentary," *Journal of American Podiatric Medical Association*, 96 (6) (2006), 505-506.
2. Besl, P.J. and Jain, R.C., "Segmentation through variable-order surface fitting," *IEEE Pattern Analysis and Machine Intelligence*, 10 (2) (1988), 167-192.
3. Bottros, J., Klika, A.K., Lee, H.H., Polousky, J., and Barsoum, W.K., "The use of navigation in total knee arthroplasty for patients with extra-articular deformity," *The Journal of Arthroplasty*, 23 (1) (2008), 74-78.

Conference

4. Nikou, C., Jaramaz, B., DiGioia, A.M., and Levison, T.J., "Description of anatomic coordinate systems and rationale for use in an image-guided total hip replacement system," in *Proceedings of Medical Image Computing and Computer Assisted Intervention*, Delp, DiGioia, and Jaramaz (Eds.), Springer, Heidelberg, (2000), 1188-1194.

Book Chapter

5. Ravi, B. and Agarwal, M.G., "Computer-aided development of mega Endoprostheses," in *Bio-Materials and Prototyping Applications in Medicine*, Bidanda, B. and Bartolo, P. (Eds.), Springer, USA, (2007), 191-207.

Book

6. Foley, J.D., van Dam, A., Feiner, S., and Hughes, J., "Computer graphics: principles and practice," *Addison-Wesley Publishing Company, Massachusetts*, 2nd Edition, 1990.

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7. Taylor, R., Lavalee, S., Burdea, G., and Moesges, R., (Eds.) "Computer integrated surgery," MIT Press, 1995.

Reports Handbooks etc.

8. United Nations Environmental Programme, Report of the refrigeration, Air Conditioning and heat pumps, Technical option Committee, 2002 Assessment, 2002
9. ASHRAE handbook: Refrigeration, 1994 (chapter 44)

Patent

10. Patent no. Country (In parenthesis), date of application, title, year. If taken from "Abstract" give cross reference as CF, CA.....

Internet

11. Author or organization name, 'Webpage Title', Year Published, Online Available: <http://Website URL>. (Accessed: 10- Oct- 2013)