**UE22CS320A – CAPSTONE PROJECT WORK PHASE - 1**

**GUIDELINES FOR THE PREPARATION OF THE REPORT**

1. The project report should be formatted with 1.5 line spacing on an A4 size. The margins should be: Left and Right– 2.00 cm, Top and Bottom– 2.00 cm
2. The organization of the report should be as follows:

* Inner title page Certificate
* Company Certificate (if applicable)
* Acknowledgement
* Abstract
* Table of contents
* List of tables and figures

1. Table of content should contain the following

* Topics Introduction
* Problem Definition
* Literature survey
* Research/ Technology Gaps And Challenges
* Objectives
* Data Exploration(if any)
* Conclusion of Capstone Project Phase-1
* Plan of work for Capstone Project Phase-2
* References User Manual (Optional)

1. (**Chapters are to be numbered in Arabic**) containing an introduction that usually specifies the scope of work and its importance and relation to previous work and present development. The main body of the report is divided approximately into chapters. sections and subsections
2. Chapter sections and subsections may be numbered in decimal form e.g. Chapter 2, sections as 2.1, 2.2 etc and subsections as 2.2.1, 2.2.1etc.
3. Chapter number & the chapter title centered (font size 18), section/subsection numbers along with their headings must be left justified with section number and its heading in font size 16 and subsection and its heading in font size 14. The body or the text of the report should have font size12.
4. Details:

| Default Font | Times new roman |
| --- | --- |
| Line spacing | 1.5units [applies only for text] |
| Size of the  Section/Subsection | 16(section) (Bold)  14(subsection) (Bold) |
| Section/Subsection:  Justification: | Left Justified |
| Paragraph Justification | Justified |
| Body of the text | 12 |

**Content organization**

* Chapter
* Section
* Sub-section
* Chapter Number, Chapter title centered (font size18),
* Section number & section title in chapters to left justified (font size16)
* Subsection number & Sub section title in chapters to left justified (font size14)
* Body of the text (font size12)

1. The figures and tables must be numbered chapter wise.
2. The Conclusion chapter should contain the summary of the work carried and their utility along with the plan of work carried out in Capstone-2.
3. Reference or Bibliography: The reference should be numbered serially in the order or their occurrence in the text and their numbers should be indicated within square brackets for example:

[1] W. M. Dorsey, A. Stumme, K. M. Charipar and N. A. Charipar, "3-D-Printed Circular Array for WiMAX Base Station," in IEEE Antennas and Wireless Propagation Letters, vol. 18, no. 6, pp. 1159-1163, June 2019, doi: 10.1109/LAWP.2019.2911354.

1. Only SI units are to be used in the report. Important equations must be numbered in decimal form for e.g. Q = C.A.2……….
2. Reproduction of material in verbatim available elsewhere should be strictly avoided. If short excerpts from published work are to be included, they should be within quotation marks and appropriately referenced.
3. Attention is to be given to the technical contents, organization of the report and clarity of the expression. Grammatical errors to be taken care of (including spelling and typing errors).
4. Projects based on Hardware must include: the component layout, complete circuit with the component list containing the name of the component, numbers used, etc. and the main component data sheets as Appendix.
5. The beginning page of the chapter (that particular page) should not have a header, but it should have only a footer.
   * + - Header and Footer should start from the Introduction chapter.
6. The Project report should be submitted along with the plagiarism-check report (done only at the PESU library). Maximum plagiarism allowed is 15%.
7. The project documentation should be uploaded onto the project repository server provided. Final Project presentation, User Manual must be uploaded as well compulsorily.