

**KONERU LAKSHMAIAH EDUCATION FOUNDATION**  
(Deemed to be University u/s 3 of UGC Act, 1956)

**Ph.D. THESIS**

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**PREPARATION MANUAL**

**2019**



## **Koneru Lakshmaiah Education Foundation**

(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as 'A++' Grade University ♦ Approved by **AICTE** ♦ **ISO 9001-2015** Certified

**Campus:** Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.

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### **Ph.D. THESIS PREPARATION MANUAL (Prescribed layout and requirement)**

#### **1. GENERAL:**

The manual is intended to provide general guidelines to the research scholars in thesis preparation. The Dissertation should be submitted in A4 size bond paper and 6 copies of the thesis and a soft copy on CD to be submitted to the Controller of Examination through Dean (R&D). In general, the thesis shall report the original research work of the research scholar in an ordered manner.

#### **2. LENGTH OF THESIS:**

The length of thesis may vary across disciplines but which would normally not exceed 100,000 words.

#### **3. ARRANGEMENT OF CONTENTS OF THESIS:**

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

1. Cover Page & Title page
2. Declaration by Scholar
3. Bonafide Certificate
4. Acknowledgement
5. Abstract
6. Table of Contents
7. List of Tables (if any)
8. List of Figures (if any)
9. List of Symbols and Abbreviations
10. Chapters (Main Body)
11. References
12. Appendices
13. List of Publications

The Tables and Figures shall be introduced in the appropriate places.

#### 4. PAGE DIMENSIONS AND MARGIN

The dimensions of the final bound copies of the thesis report should be 297mm × 210mm  
(Standard A4 size).

The Thesis should have the following page margins

Top edge	:	<b>1 inch</b>
Bottom edge	:	<b>1 inch</b>
Left side	:	<b>1 ½ inch</b>
Right side	:	<b>1 inch</b>

The thesis should be prepared on good quality white paper preferably not lower than 80 gsm. Tables and figures should conform to the margin specifications. Large size figures should be photographically or otherwise reduced to the appropriate size before insertion. Fresh Para should commence after five spaces. **One and half (1.5) spacing** shall be provided throughout the dissertation / thesis. The page number shall be indicated at the top middle of each page. **The general text shall be typed in Font Style “Times New Roman” and Font Size 12.**

#### 5. BINDING SPECIFICATIONS

The Dissertation / thesis shall be properly bound, using hard cover of **maroon color**. The bound front cover should indicate in **Golden Embossed** letter as shown in the ANNEXURE-I.

Two plain blank papers should be provided at the beginning and at the end.

## 6. THIRD PAGE

Third page should contain the following:

1. ....(Title)
2. A thesis / dissertation submitted in partial fulfillment of the requirements for the award of the degree of Ph.D./ M. Phil./ M.Tech (By Research)

by

.....

< Name of the candidate >

< Reg.No: >



Under the guidance of

< Name of the Guide >

< Designation >

< address >

3. Bottom

**DEPARTMENT OF CIVIL ENGINEERING  
KONERU LAKSHMAIAH EDUCATION FOUNDATION  
(Deemed to be University u/s 3 of UGC Act 1956)  
K L Deemed to be University  
VADESWAREM- 522 502 <Font Size 14>  
ANDHRA PRADESH INDIA  
Year 2013-14<Font Size 14>**

**7. FOURTH PAGE**

The fourth page should contain a declaration signed by the scholar in the following format.

**DECLARATION**

I hereby declare that the thesis entitled “ \_\_\_\_\_ ” submitted for the award of Degree of Doctor of Philosophy is my original work and the thesis has not formed the basis for the award of any degree, diploma, associateship or fellowship of similar other titles. It has not been submitted to any other University or Institution for the award of any degree or diploma.

Place: <<Signature of the Scholar>>

Date: <<Name>>

**8. FIFTH PAGE**

The fifth page should contain a certificate signed by the Supervisor in the following format.

**CERTIFICATE**

This is to certify that the thesis / dissertation entitled .....that is being submitted by Sri / Smt. / Ms..... in partial fulfillment for the award of Ph.D. / M. Phil/ M.Tech. (by Research) in ..... to the K L deemed to be University is a record of bonafide work carried out by him / her under my/our guidance and supervision.

The results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

**Signature of Co-Supervisor**

**Signature of Supervisor**

**Name and Designation**

**Name and Designation**

**Head of the Department**

## **9. SIXTH PAGE**

The sixth page may include the ‘Acknowledgement’

## **10. SEVENTH PAGE**

The seventh page may contain an abstract of the Dissertation / Thesis. It is not an introduction and should summarize the main highlights of your thesis, including the results. The abstract should not exceed 4 pages typed with double line spacing. The candidate may emphasize here his/her contributions. The reader/reviewer should be able to get the gist of the work in the abstract itself, without having to go into the main body of the text. In short, the abstract should stand alone and self-explanatory of the entire work.

## **11. EIGHTH to TENTH PAGES**

In these pages the candidate must provide a table of contents, List of Tables, List of Figures and List of Abbreviations and photographs (if any).

**NOTE: All the above pages are to be numbered in Roman numerals of lower case and the rest of the thesis should have English numerical numbers.**

## **12. ARRANGEMENT OF MAIN BODY**

The following is suggested format for arranging the Thesis work into various chapters. However, this arrangement can be changed to suit the particular Research work.

1. Introduction
2. Literature Survey
3. Theoretical Analysis/Framework
4. Methodology/Experimental Investigations
5. Experimental Results/Observations
6. Discussion of Results
7. Summary, Conclusion and Recommendations  
(Original Contribution to be Highlighted)
8. Reference / bibliography
9. Appendices (if any)

## **13. THE ARRANGEMENT OF PARAGRAPH IN A CHAPTER**

Each topic Title in a chapter should be properly numbered for example: 2.1, 2.2. etc., (Bold and Upper case) where, the first digit represents the Chapter number, and second digit, the topic Title number.

Sub-topic titles, if any, may be indicated as 1.1.1, 1.1.2, etc. (Bold and title case) i.e. The first digit representing the chapter, the second representing the topic title and the third representing the sub-topic title.

## 14. PHOTOGRAPHS AND TABLES

The photographs and tables occurring in a chapter may be serially numbered as Fig: 1.1, 1.2 etc., along with suitable CAPTION where the first digit represents the chapter, the second digit represents figure number.

The photograph may be represented as: plate 1.1, 1.2 etc., the first digit representing chapter and the second representing the photograph number.

## 15. GRAPHS

The graph should clearly indicate the points which are used for drawing the curve or curves along with the error bars. The axes (X, Y and Z) should have CAPTIONS.

## 16. REFERENCES

Within the text, references should be cited in **numerical order** according to their order of appearance. The numbered reference citation within text should be enclosed in square brackets. Example: It was shown by Prusa [1] that the width of the plume decreases under these conditions. In the case of two citations, the numbers should be separated by a comma [1,2]. In the case of more than two references, the numbers should be separated by a dash [5-7].

A typical illustrative list is given below.

Blackburn, J.D. and Scudder, G.D., (1996) Improving Speed and Productivity of Software Development: A Global Survey of Software Developers, *IEEE Transactions on Software Engineering*, vol. 22, No. 12, 875-884.

Pressman, R.S., (2000). *Software Engineering: A Practitioners Approach*, Fifth Edition, McGraw Hill, Maidenhead.

SILVER, K.,1989. Electronic mail the new way to communicate. *In: D.I. RAITT, ed. 9th International Information Meeting, London 3-5 December 1988*. Oxford: Learned

Grant, R. M. (2002). *Contemporary strategy analysis : Concepts, techniques, applications* (4th ed.). Blackwell Publisher, Malden, MA:

## 17. APPENDICES:

Appendices are provided to give supplementary information, which if included in the main text may serve as a distraction and cloud the central theme under discussion. Common examples of information included in appendices are listing of computer programs used to obtain your results, documentation of experimental setups, standards required for your work, tables of raw data, and part drawings.

Appendices should be numbered using English numerals, e.g. Appendix 1, Appendix 2, etc. Each appendix must be given a descriptive title. Most appendices require at least an introductory paragraph explaining what the appendix contains and why.

#### **18. LIST OF PUBLICATIONS:**

The list of papers published by research scholar during the period of research shall be given under the heading “List of Publications”. The listing as per the format specified in section 6.12 should be typed 4 spaces below the heading “LIST OF PUBLICATIONS” in single spacing left-justified.

**ANNEXURE - I**

(A typical Specimen of Cover Page & Title Page)

<Font Style Times New Roman – Bold>

**APPLICATION OF MATRICES IN REMOTE SENSING**

<Font Size 16><1.5 line spacing>

<Font Size 14><Italic>

*A thesis submitted in partial fulfillment of the requirements*

*for*

*the award of the degree of*

<Font size 14> <1.5 line spacing><Italic>

**DOCTOR OF PHILOSOPHY** <Font Size 16>

By

**K. VENKATA SAI** <Font Size 16>

[Reg. No. 10190290] <Font Size 16>



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**VADDESARAM- 522 502** <Font Size 14>

**ANDHRA PRADESH INDIA**

**Year 2013-14**<Font Size 14>