

Thesis Format

The final thesis shall be presented in accordance with the following specifications:

- i. The paper used for printing shall be of A4 size of good quality (minimum 80 gsm);
- ii. Printing shall be in a standardized form on both sides of the paper and in 1.5 lines spacing using Times New Roman, font size 12. Font size on title page should be 16 Times New Roman (colored)
- iii. Footnotes, quotations, references (in text and bibliography as prescribed to the Faculty) and photographic captions may be single-spaced.
- iv. A margin of 1.5 inches must be on the left hand side, 1 inch each on top, bottom and 0.75 on outer edge. Paragraph aligned should be justified.
- v. The card for cover shall not be more than 330 GSM;
- vi. The title of the thesis, name of the candidate, degree, name of the Research Supervisor, place of research and the month and year of submission shall be printed on the title page and the front covers;

S. No.	Faculty Name	Colour	Referencing Style in Text and bibliography
a.	GBS	Blue	APA
b.	SCS	Green	IEEE
c.	SEDA	Red	IEEE
d.	SNS/SAHS	Magenta	Harvard
e.	SOH	Navy Blue/Midnight	APA
f.	SLA	Cayenne	MLA
g.	SPES		MLA

- vii. The hard-bound thesis cover shall be of the colour allocated to each Faculty. Spine of the binding [side cover] should mention 'Ph.D. thesis' on the top, name of the candidate and month and year.
- a. The thesis shall include a Certificate by the supervisor and a declaration by the candidate that the work reported in the thesis has been carried out by the candidate himself/herself and that the material from other sources, if any, is duly cited/ acknowledged.
- b. The thesis shall be written in English except when it is related to Modern European or Indian languages. Exceptional cases may be considered by Research Committee for writing the thesis in any other language.
- d. Subject wise citation Style:

S. No.	Faculty Name	Referencing Style in Text and bibliography
1.	GBS	APA
2.	SCS	IEEE
3.	SEDA	IEEE
4.	SNS/SAHS	Harvard
5.	SOH	APA
6.	SLA	MLA
7.	SPES	MLA

After successful PhD Viva, Submit a soft copy of Thesis in the following Sequence for Shodh Ganga

Submission:- Separate Pdf Files

Abstract and Keywords in one page and the following in addition:-

Prelim pages are to be clubbed as..... the **declaration+certificate+acknowledgment+list of table+graphs files** together in one file and name them as **02_prelim pages**.












Also combine the **bibliography+references+questionnaire+maps+publications, etc** files together as a single file and name them as e.g. **10_annexures**.

Also combine the **title + recommendations** files together as a single file and name them as e.g. **80_Recommendation**.

90_Plagiarism_Report must include One page plagiarism /summary report

An example of split files along with chapter-wise naming is given below:

Example of Split files for Upload in " Shodhganga"

Name	Date modified	Type	Size
 01_title.pdf	12-03-2022 11:46	Adobe Acrobat D...	45 KB
 02_prelim pages.pdf	12-03-2022 11:48	Adobe Acrobat D...	17 KB
 03_content.pdf	12-03-2022 11:51	Adobe Acrobat D...	12 KB
 04_abstract.pdf	12-03-2022 11:52	Adobe Acrobat D...	25 KB
 05_chapter 1.pdf	12-03-2022 11:55	Adobe Acrobat D...	13 KB
 06_chapter 2.pdf	12-03-2022 11:57	Adobe Acrobat D...	18 KB
 07_chapter 3.pdf	12-03-2022 12:00	Adobe Acrobat D...	881 KB
 08_chapter 4.pdf	12-03-2022 12:02	Adobe Acrobat D...	5,259 KB
 09_chapter 5.pdf	12-03-2022 12:04	Adobe Acrobat D...	123 KB
 10_annexures.pdf	12-03-2022 12:06	Adobe Acrobat D...	56 KB
 80_Recommendation.pdf	13-03-2022 16:32	Adobe Acrobat D...	352 KB

90_Plagiarism_Report

Note:- Add more files as per requirement, following the Thesis Files/ chapter order.



TITLE OF PHD THESIS

Thesis submitted in fulfillment of the requirements for the

Degree of

DOCTOR OF PHILOSOPHY

IN

COMPUTER APPLICATION

By

.....Name.....

Registration No: - GU-20XX-

Under the Supervision of

Dr.

(Supervisor Designation)

FACULTY/SCHOOL OF COMPUTATIONAL SCIENCE
SRI HARGOBINDGARH, PHAGWARA, PUNJAB-144401
MONTH, 202X

DECLARATION

I, s/o Sh..... and Smt..... certify that the work embodied in this PhD thesis on title “.....” is my own bona-fide work carried out by me under the supervision of Dr., Professor, GNA University, Punjab and Dr., Professor,Address.....
The work embodied in this Ph.D. thesis has not been submitted for the award of any other degree / diploma/ certificate except where due acknowledgement has been made in the text.

I hereby declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of thesis. I further certify that there is no plagiarism and I have not willfully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, thesis, etc. or available at websites and included them in this Ph.D. thesis and cited as my own work.

Date : 26.11.2021

Rajesh Sharma

Place : Ludhiana

Registration No. : GU-2016-0294

CERTIFICATE FROM SUPERVISOR

This is to certify that Mr. has completed the Ph.D. thesis entitled "....." under my supervision and guidance in Faculty ofGNA University, Phagwara, Punjab. To the best of my knowledge, it is his original piece of work and it has not been submitted in parts or in full for any degree/diploma elsewhere. It is worthy for the submission to be evaluated for the award of the degree of Doctor of Philosophy.

Dr.,

Professor,

GNA Business School,

GNA University,

Date :

CERTIFICATE FROM CO-SUPERVISOR

This is to certify that Mr. has completed the Ph.D. thesis entitled "....." under my supervision and guidance in Faculty of....., GNA University, Phagwara, Punjab. To the best of my knowledge, it is his original piece of work and it has not been submitted in parts or in full for any degree elsewhere. It is worthy for the submission to be evaluated for the award of the degree/diploma of Doctor of Philosophy.

Dr.....,

Professor,

University Business School,

Panjab University Regional Centre,

Ludhiana, Punjab

Date : 26.11.2021

ACKNOWLEDGEMENT

Dated:

(Name and Signature)

TABLE OF CONTENTS

Declaration Certificate.....	i
Certificate from Supervisor.....	ii
Certificate from Co-Supervisor.....	iii
Acknowledgement.....	give page nos
Abstract.....	
Contents.....	
List of Tables.....	xv-xviii
List of Figures.....	xix
List of Appendices.....	xx
List of Acronyms & Abbreviations.....	xxi-xxiii
CHAPTER-1	1- 24
CHAPTER-2	25-46
CHAPTER-3	47-67
CHAPTER-4	68-133
CHAPTER-5	page nos
BIBLIOGRAPHY.....	168-182
LIST OF PUBLICATIONS.....	
ANNEXUREs.....	183-185

ABSTARCT (one page only)

(Not More than 400 words/2000 characters)

ALL CHAPTERS 1, 2, 3 SO ON (page numbers from chapter one should be in numeric

RECOMMENDATIONS OF THE PRESENT STUDY

LIST OF ANNEXURES

Sr. No.	Particulars

LIST OF ACRONYMS & ABBRIVATIONS

AIR	
ANOVA	
ASI	
BG	
BIFR	
BSE	
CA	
CAGR	
CAPEX	
CAS	
CD	
CEO	
CF	
CFO	
CL	
CLB	
COD	
CR	
CR	
DNA	
EBB	
EBR	
EBIT	
EBITDA	
EMS	
EPS	
ERP	
EU	
FB	
FCM	
FG	
FMB	
FTA	
GDP	

List of Publications