

Ph.D Thesis Format Guidelines 2024

Charotar University of Science and Technology Changa

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY (CHARUSAT) CHARUSAT Campus, Changa, Anand District, Gujarat – 388421.

Ph.D. Thesis Format Guidelines (Effective from 2024)

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PHD 1: Thesis Arrangement Order

- 1. Cover Page
- 2. Inside Cover Page
- 3. Dedication Page (if any) (Maximum one page)
- 4. Certificate
- 5. Declaration
- 6. Acknowledgements (Maximum two pages)
- 7. Abstract (Maximum two pages)
- 8. Table of Contents
- 9. List of Tables
- 10. List of Figures
- 11. Abbreviations (if any)
- 12. Notations (if Any)
- 13. Chapters
- 14. References (should be provided immediately after last Chapter (Conclusion)
- 15. Appendices
- 16. List of Publications (full length publications to be bound with the thesis)
- 17. Non Paper Material (if any)

Note: Format of the above pages are included in the Annexures

PHD 2: Thesis Formatting Details

Thesis size: Between 100 to 300 pages

Cover Page: There shall be **two** cover pages in the thesis, the first one shall contain a hard paper followed by a normal white cover page.

Paper: A4 size (210mm x 297 mm) bond unruled white paper (Use only **one side** for all the pages of spiral bound copies being submitted to the University)

(Note: After successful completion of the Viva Voce examination, Research Scholar has to submit a hard bound volume of thesis printed on both sides of paper to CHARUSAT Central Library after incorporating all corrections/suggestions given by the examiners during the evaluation of the thesis.)

Numbering: All pages are to be numbered except Thesis Cover Page.

The pages starting from Dedication to Notations are to be numbered in small Roman letters (i, ii, iii, ix)

All the Page numbers from Introductory Chapter (Chapter 1) are to be numbered using numerals (1, 2, 3...)

Numbering is to be done at the bottom center of the page

PHD 3: Thesis Chapter Details

Acknowledgement: Maximum 2 pages

Title: Centred (Capital, Arial 16, BOLD)

Text: Paragraphed, right and left justified (Arial 12, 1.5 spacing, NORMAL, **BLACK**)

Example:

Studies investigating recognition memory (RM) in schizophrenia report a selective deficit in *autonoetic* awareness and intact levels of *noetic* awareness for visual stimuli. It has been suggested that abnormalities in *autonoetic* awareness result from a breakdown in frontal strategic memory processes involved in encoding and retrieval and executive functions linked to reality monitoring and decision making.

The aims of this thesis were to investigate four predictions arising from these proposals: (1) If decrements in *autonoetic* awareness arise from a 'central' impairment, then these abnormalities should not be domain-specific; (2) if *autonoetic* awareness abnormalities arise from a breakdown in executive processes, then these abnormalities should correlate with executive dysfunction; (3) because *autonoetic* awareness is a necessary correlate of episodic memory, then patients with schizophrenia should also be impaired in contextual memory; and (4) *autonoetic* awareness abnormalities are likely to be more severe in schizophrenia, a condition associated with marked executive dysfunction relative to major depressive disorder, in which executive dysfunction is less marked.

Abstract: Maximum 2 Pages (Preferably)

Key words: Maximum Six (Leading Capitals, Single Space, Arial 12 Italic, NORMAL) Text: Paragraphed and fully justified on left and right (1.5 Spacing, Arial 12 Normal)

Table of Contents: This will include all content details except quotation, dedication, certificate, and declaration

Chapters: Chapter Number and Heading should be centred on the top of the page(Capital, Arial 16, BOLD)

1.5 Line Spacing between Chapter Number and Heading

Example:

CHAPTER 1 INTRODUCTION

Sections: Section numbering should be in Arabic numerals, left justified with Arial 14, BOLD CAPITAL)

Example:

1.2 MECHANICAL BEHAVIOUR

3.1

Sub Sections

Section Numbering should be in Arabic numerals up to two decimals, left justified with Arial 12, Bold Leading Capital)

Example:

1.1.2 Compressive Strength

2.1.2

Subsections beyond two decimals (eg. 1.1.3.1) should be avoided

Text

Colour: Black Print

General Text: Arial 12 Normal, Fully Justified, suitably paragraphed

Special Text: Arial Italic 12 Normal, Fully Justified

Paragraphs: All paragraphs should be fully justified (left and right) from first line to

last line

Text Margins

Left: 1.25" Right: 1.25" Top: 1.00" Bottom: 1.00"

Spacing:

1.5 Spacing shall be there between text Lines and Tripleline spacing shall be there between Paragraphs

Provide 3 Spaces between:

- Chapter Title and first sentence of the Chapter
- Last Line of a section/Subsection to title of next Section/Subsection

Use Single spacing for:

Footnotes/End notes of text, quotations, explanatory notes, text corresponding to bullets/numbered listings etc

Text corresponding to bullets/numbered listing should be left indented

- Xxx
- Yyy
- Zzz

OR

- 1) Xxxx
- 2) Yyyy
- 3) Zzzz

Quotations from Literature should be left and right intended. Shorter quotations can be part of regular text.

Orphans: At the bottom of the page, a paragraph must have at least two lines. At the beginning of the page, a paragraph must have at least two lines

Equation/Formula

Use Arabic numerals with single decimal right justified (<Chapter Number>.<Equation serial Number>)

Example:

$$f(x) = a_0 + \sum_{n=1}^{\infty} \left(a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$
 (2.1)

The equation should be referred in the text of thesis as Eq. 2.1

Tables: Table should follow immediately after it is referred for the first time in the text. Splitting of the paragraph for including a table should be avoided.

Table title should be provided at the top of the table. The style to write table number and heading shall be uniform throughout the thesis. Appropriate references must be given in the text for the tables. It shall be ensured that no repetition of the Table numbers are made.

Leave at least 3 spaces between paragraph and title of table at Top

Leave at least 3 spaces between Table bottom and next line

Leave 1.5 spaces between last line of Title and table

Format of Table: Table<Blank><Chapter Number>.<Table Number><Indent><Table Title

Tables and Table title should be centred and should keep single space between two lines of table title

Example:

•	Table 4.3 Properties of concrete under high temperature with varying curing conditions								

Figure: Figure should follow immediately after it is referred for the first time in the text. Splitting of the paragraph for including a Figure to be avoided.

Figure title should be provided at the bottom of the figure. The style to write figure number and heading shall be uniform throughout the thesis. Appropriate references must be given in the content for the figures. It shall be ensured that no repetition of the figure numbers are made.

Leave at least 3 spaces between paragraph and title of the Figure at bottom paragraph

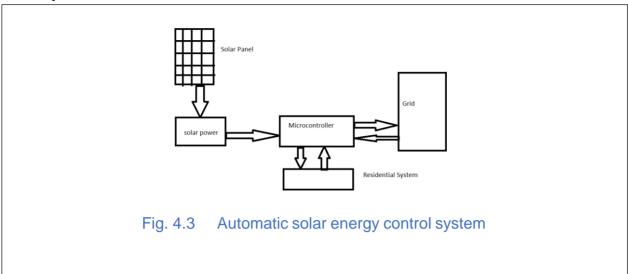
Leave at least 3 spaces between paragraph and top of the Figure

Leave 1.5 space between title and figure

Format of Figure: Fig.<Blank><Chapter Number>.<Figure Number><Indent><Figure Title

Figure and Figure title should be centred.

Example:



Citing References in Text

Single author:

Example

Albert (2007) developed this method of 111 Subsequently other researchers have adopted this technique (Premkrishna, 2009; Bhaskar, 2010).

Two Authors:

Example

Albert and Ram (2008) developed the model of 11.. Subsequently other researchers adopted this technique (Premkrishna, 2009; Rao and Ram, 2011)

Multiple Authors:

Example

Ram et al. (2008) have developed a model1. The efficiency of such model is questioned by many researchers further (Premkrishna et al., 2009; Robert, 2010)

When many authors are cited in a sentence it is given using semi-columns:

Example

Similar work was also proposed by Singh and Robin (2008); Ram et al. (2009); Prakash (2011).

More than one paper by the author in the same year:

Example

Albert (2007a) developed1

Listing of References

For listing, **Harvard referencing** only should be followed.

Listing of references should be after the last Chapter (in **alphabetical order** and should be numbered, right and left justified)

Single space between lines of reference and 1.5 spaces between references

Example:

REFERENCES

- 1. Adair, J. (1988) Effective time management: How to save time and spend it wisely, London: Pan Books.
- 2. Muller, V. (1994) 'Trapped in the body: Transsexualism, the law, sexual identity', *The Australian Feminist Law Journal*, vol. 3, August, pp. 103- 107.
- 3. Ram, R.and Peter, K. (2005) 'Risk assessment of australian domestic violences', *The Australian Feminist Law Journal*, vol. 5, August, pp. 100-105.

Format of Referencing from various sources (Harvard ReferencingSystem)

1. Journal article

Muller, V. (1994) 'Trapped in the body: Transsexualism, the law, sexual identity', *The Australian Feminist Law Journal*, vol. 3, August, pp. 103-107.

Ram, R.and Peter, K. (2005) 'Risk assessment of Australian domestic violence', *The Australian Feminist Law Journal*, vol. 5, August, pp. 100-105.

Ram, R., Krishna, S. and Peter, K. (2005a) 'Differential rectification using control points', *International Journal of Geoscience and Remote sensing*, vol. 3, August, pp. 10-18.

Ram, R., Krishna, S. and Peter, K. (2005b) 'Differential rectification using multiple control points', *IEEE Transactions on Geoscience and Remote sensing*, vol. 4, August, pp. 203-215.

2. Journal article with both volume and issue number

Muller, V. (1994) 'Trapped in the body: Transsexualism, the law, sexual identity', *The Australian Feminist Law Journal*, vol. 3, no. 2, August, pp. 103-107.

3. Journal article from CD-ROM, electronic database, or journal

Skargren, E.I. & Oberg, B. (1998) 'Predictive factors for 1-year outcome of low-back and neck pain in patients treated in primary care: Comparison between the treatment strategies chiropractic and physiotherapy', *Pain* [Electronic], vol. 77, no. 2, pp. 201-208, Available: Elsevier/ScienceDirect/ O304-3959(98)00101-8, [8 Feb 1999].

4. World Wide Web page

Young, C. (2001) English Heritage position statement on the Valletta Convention, [Online], Available: http://www.archaeol.freeuk.com/EHPostionStatement.htm [24 Aug 2001].

5. Book with one author

Adair, J. (1988) Effective time management: How to save time and spend it wisely, London: Pan Books.

6. Book with two authors

McCarthy, P. and Hatcher, C. (1996) *Speaking persuasively: Making the most of your presentations*, Sydney: Allen and Unwin.

7. Book with three or more authors

Fisher, R., Ury, W. and Patton, B. (1991) *Getting to yes: Negotiating an agreement without giving in*, 2nd edition, London: Century Business

8. Book with an editor

Danaher, P. (ed.) (1998) Beyond the ferris wheel, Rockhampton: CQU Press.

9. Chapter in a book written by someone other than the editor

Byrne, J. (1995) 'Disabilities in tertiary education', in Rowan, L. and McNamee, J. (ed.) *Voices of a Margin*, Rockhampton: CQU Press.

10. Online Books

Perfect, T.J. and Schwartz, B. L. (Eds.) (2002) *Applied metacognition*, Retrieved from http://www.questia.com/read/107598848

11. PhD Thesis

Mack, S. (2000) 'Desperate Optimism', PhD Thesis, University of Calgary, Canada.

12. Non Paper Materials

The inclusion of non-paper materials like CD etc. must be indicated in the Table of Contents. All non-paper materials (in a closed cover firmly secured to thesis) must have a label each clearly indicating the name of the candidate, student ID number and the date of submission.

ANNEXURES	

EPISODIC MEMORY, RECOGNITION MEMORY AND CONSCIOUS RECOLLECTION IN SCHIZOPHRENIA: AN INVESTIGATION ACROSS MODALITIES

A THESIS

Submitted by

PATEL ARAVID KESAV (15DRBIO001)

for the award of the degree of

DOCTOR OF PHILOSOPHY

Under the supervision of

Dr. Arabinda Ray



FACULTY OF APPLIED SCIENCES CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY CHANGA-388421, GUJARAT, INDIA

JANUARY

CERTIFICATE

This is to certify that the thesis entitled "Unified Approaches to Polynomial Identity Testing and Lower Bounds" submitted by Patel Aravind Kesav (ID Number) to the Charotar University of Science and Technology for the award of the Degree of Doctor of Philosophy is a bonafide record of research work carriedout by him under my/our supervision. The contents of this thesis, in full or in parts, have not been submitted to any other Institute or University for award of any degree, diploma or titles.

Research Supervisor (1) Research Supervisor (2)

Signature with Date: Signature with Date:

Name: Name:

Designation: Designation:

Organization: Organization:

Dean

Signature with Date:

Name:

Faculty of Applied Sciences

DECLARATION

I hereby declare that the thesis "Unified Approaches to Polynomial Identity Testing and Lower Bounds" submitted by me to Charotar University of Science and Technology for the degree of Doctor of Philosophy is the record of work carried out by me during the period from August 2007 to April 2013 under the guidance of 1111111111. (name of the guide). I also declare that this work has not formed the basis for the award of any degree, diploma or titles by any other Institution or University.

Signature
Date
Name of the Research Scholar
ID Number:

ABSTRACT

Key Words: Autonoetic Awareness, Depressive Disorder, Schizophrenia, Executive Dysfunction, Recognition Memory.

Studies investigating recognition memory (RM) in schizophrenia report a selective deficit in *autonoetic* awareness and intact levels of *noetic* awareness for visual stimuli. It has been suggested that abnormalities in *autonoetic* awareness result from a breakdown in frontal strategic memory processes involved in encoding and retrieval and executive functions linked to reality monitoring and decision making.

The aims of this thesis were to investigate four predictions arising from these proposals: (1) If decrements in *autonoetic* awareness arise from a 'central' impairment, then these abnormalities should not be domain-specific; (2) if *autonoetic* awareness abnormalities arise from a breakdown in executive processes, then these abnormalities should correlate with executive dysfunction; (3) because *autonoetic* awareness is a necessary correlate of episodic memory, then patients with schizophrenia should also be impaired in contextual memory; and (4) *autonoetic* awareness abnormalities are likely to be more severe in schizophrenia, a condition associated with marked executive dysfunction relative to major depressive disorder, in which executive dysfunction is less marked.

The *remember/know* paradigm was used to investigate RM across four modalities (verbal, visual, auditory and olfactory) in three groups: patients with schizophrenia (N=19), patients with major depressive disorder (N=21), and normal controls (N=24). A subgroup of the **same** schizophrenia patients (N=14) were also tested fortemporal-order memory for words, line drawings and abstract drawings. Autobiographical memory was assessed in patients using the Autobiographical Memory Interview. Executive function and working memory were assessed using the Wisconsin Card Sorting Test and the Letter-Number Sequencing Test, respectively.

Autonoetic awareness abnormalities were evident in patients with schizophrenia for voices (p<0.05) and smells (p<0.05). These deficits were restricted to schizophrenia, with patients with major depressive disorder performing intermediate to both schizophrenia patients and normal controls. A subgroup of the **same**

schizophrenia patients also exhibited impaired temporal-order memory (p<0.05), but this impairment was restricted to words and also evident in patients with major depressive disorder (p<0.05). Executive dysfunction and reduced working memory was restricted to patients with schizophrenia, but none of these measures correlated with decrements in *autonoetic* awareness or temporal-order memory. Autobiographical memory for both patient groups was within the normal range

Impaired *autonoetic* awareness for voices and smells in the **same** cohort of schizophrenia patients provide some support for proposals that abnormalities in *autonoetic* awareness stem from a breakdown in 'central' rather than domain-specific processes. Furthermore, these patients were also impaired for temporal-order memory, which suggests that strategic memory processes were also implicated in these schizophrenia patients.

Source: Drakeford, J. (2006). Episodic memory, recognition memory, and conscious recollection in schizophrenia: An investigation across modalities.

Unpublished PhD thesis, University of Birmingham, UK

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•		
•	LIST OF ABBREVITATIONS	
Abbreviatio	on Meaning	Page No.
ADB	Asian Development Bank11111111	1111.12
AVF	Anisotropic Volume Fraction111111	1111121
CDF	Cumulative Density Function111111	111143
CSF	Cerebrospinal Fluid1111111111	111125