GUIDELINES FOR PREPARATION OF THESIS FOR Ph.D.



Research & Development Cell

NIRWAN UNIVERSITY, JAIPUR, (RAJ.)

Guidelines for preparation of Thesis

Thesis format should be as per following approved guidelines. Thesis should be print on both side pages from chapter Introduction to Bibliography. Any other format of Thesis will not be accepted.

Preamble

While utmost attention must be paid to the content of the thesis, which is being submitted in partial fulfillment of the requirements of the Ph.D. degree, it is imperative that a standard format be prescribed. The same format shall also be followed in preparation of the soft copy (single file in pdf form and each segment and chapter wise separate file in docx format for uploading on Shodhganga) which shall be submitted to the University Library. A candidate initially needs to submit three spiral bound copies of the thesis for evaluation, along with its soft copy (single file in pdf form). The hard bound four copies to be submitted at the time of final viva-voce examination in university approved format, along with its soft copy (single file in pdf form).

1. Organization of the Thesis

The thesis shall be presented in a number of chapters, starting with Introduction and ending with References and Bibliography. Each of the other chapters will have a precise title reflecting the contents of the chapter. A chapter can be subdivided into *sections*, *subsections* and *sub subsections* as to present the content discretely and with due emphasis.

2. Overall Order of Thesis

- o Title page (Specimen A)
- Approval Sheet (Specimen B)
- o Candidate's Declaration (Specimen -C)
- o Certificate by the Research Supervisor (Specimen D)
- o Certificate by the Research Co-Supervisor (Specimen E)
- o Plagiarism verification certificate (Specimen F)
- Copyright transfer certificate (Specimen G)

Dedication Sheet (optional)

Acknowledgements

Abstract

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List of Figures and Tables

Abbreviation, Notation and Nomenclature

Chapter 1: Introduction

Chapter 2: Review of Related Literature

Chapter-3 Research Methodology

Chapter-4 Results and Discussion

Chapter-5 Conclusions and future scope of work

Chapter-6 References are Bibliography

Annexures-

Publication by Candidate (Annexure -1)

Conference/ Seminar certificate copies (Annexure – 2)

Plagiarism Report (Annexure – 3)

Permission letters from organizations/institutions, etc. for Data Collection (Annexure 4)

Copy of Tools used for Data Collection (Annexure 5)

3 Thesis Format

Paper Quality

The Thesis shall be printed on both side of white bond paper from chapter – First to bibliography, whiteness 95% or above, weight 90 gram or more per square meter.

Size

The size of the paper shall be standard A 4; height 297 mm, width 210 mm.

Type Setting, Text Processing and Printing

The text shall be printed employing laser printer, the text having been processed using a standard text processor. The standard font shall be Times New Roman of 12 pts with 1.5 line spacing.

Page Format

The Printed Sheets shall have the following written area and margins:

- Top Margin 30 mm
- Bottom Margin 22 mm
- Footer 3 mm
- Foot Separation 10 mm
- Text Height 245 mm
- Text Width 160 mm

Left and Right Margins

- Left Margin 30mm
- Right Margin 20 mm
- Double sided even numbered page
- Left Margin 20 mm
- Right Margin 30 mm

Pagination

Page numbering in the text of the thesis shall be Hindu Arabic numerals at the center of the footer. But when the candidate opts for header style the page number shall appear at the right and left top corner for the odd and even number pages, respectively.

Page number "1" for the first page of the Introduction chapter shall not appear in print, only the second page will bear the number "2".

The subsequent chapters shall begin on a fresh page (fresh odd number page in case of double-sided printing). When header style is chosen the first page of each chapter will not have the header and the page number shall be printed at the center of the footer.

Pagination for pages before the Introduction chapter shall be in lower case Roman numerals, e.g., "iv".

Paragraph format

Vertical space between paragraphs shall be about 2.0 line spacing.

The first line of each paragraph should not be indented however sufficient paragraph separation may be provided.

A paragraph should normally comprise more than one line. A single line of a paragraph shallnot be left at the top or bottom of a page (that is, no windows or orphans should be left)

The word at the right end of the first line of a page or paragraph should, as far as possible, not be hyphenated.

Chapter and Section Format

Chapter

Each chapter shall begin on a fresh page odd number page with an additional top margin of about 75 mm. Chapter number and title shall be printed at the center of the line in 6 mm font size (18 pt) in bold face using both upper and lower case (all capitals or small capitals shall not be used). A vertical gap of about 25 mm shall be left between the Chapter number and Chapter title lines and between chapter title line and the first paragraph.

Sections and Subsections

A chapter can be divided into Sections, Subsections and Sub subsections so as to present different concepts separately. Sections and subsections can be numbered using decimal points, e.g. 2.2 for the second section in Chapter 2 and 2.3.4 for the fourth Subsection in third Section of Chapter 2. Chapters, Sections and Subsections shall be included in the contents with page numbers flushed to the right. Further subsections need not be numbered or included in the contents.

The Section and Subsection titles along with their numbers in 5 and 4 mm (16 and 14 pt) fonts, respectively, in bold face shall be flushed to the left (not centered) with 15 mm space above and below these lines.

In further subdivisions character size of 3 and 3.5 with bold face, small caps, all caps and italics may be used for the titles flushed left or centered. These shall not feature in the contents.

Table / Figure Format

As far as possible tables and figures should be presented in portrait style. Small size table and figures (less than half of writing area of a page) should be incorporated within the text, while larger ones may be presented on separate pages. Table and figures shall be numbered chapter wise. For example, the fourth figure in chapter 5 will bear the number Fig 5.4

Table number and title will be placed above the table while the figure number and caption will be located below the figure. Reference for Table and Figures reproduced from else where shall be cited in the last and separate line in the table and figure caption, e.g. (after Mc Gregor[12]). Coloured graph/figure/photo/tables, if any, should not be photocopied in black and White.

APA Reference List Examples

Book with Single Author:

Gore, A. (2006). An inconvenient truth: The planetary emergency of global warming and what we can do about it. Emmaus, PA: Rodale.

In-text reference:(Gore, 2006)

Book with Two Authors:

Michaels, P. J., & Balling, R. C., Jr. (2000). *The satanic gases: Clearing the air about global warming*. Washington, DC: Cato Institute.

In-text reference: (Michaels & Balling, 2000)

Book with Editor as Author:

Galley. K. E. (Ed.). (2004). Global climate change and wildlife in North America.

Bethesda MD: Wildlife Society.

In-text reference: (Galley, 2004)

Brochure or Pamphlet:

New York State Department of Health. (2002). After a sexual assault. [Brochure]. Albany, NY: Author.

In-text reference: (New York, 2002)

An Anonymous Book:

Environmental resource handbook. (2001). Millerton, NY: Grey House.

In-text reference: (Environmental Resource Handbook, 2001)

Articles in Reference Books (unsigned and signed):

Greenhouse effect. (2005). American heritage science dictionary. Boston, MA:Houghton Mifflin.

Schneider, S. H. (2000). Greenhouse effect. *World book encyclopedia* (Millennium ed. Vol.8, pp. 382-383). Chicago, IL: World Book.

In-text references: (Greenhouse effect, 2005) (Schneider, 2000)

Magazine Articles:

Allen, L. (2004, August). Will Tuvalu disappear beneath the sea? Global warming threatens toswamp a small island nation. *Smithsonian*, *35*(5), 44-52.

Begley, S., & Murr, A. (2007, July 2). Which of these is not causing global warming? A. Sportutility vehicles; B. Rice fields; C. Increased solar output. *Newsweek*, *150*(2), 48-50.

In-text references: (Allen, 2004) (Begley & Murr, 2007)

Newspaper Articles (unsigned and signed):

College officials agree to cut greenhouse gases. (2007, June 13). Albany Times Union, p. A4.

Landler, M. (2007, June 2). Bush's Greenhouse Gas Plan Throws Europe Off Guard. *New York Times*, p. A7.

In-text references: ("College Officials", 2007) (Landler, 2007)

Journal Article with Continuous Paging:

Miller-Rushing, A. J., Primack R.B., Primack, D., & Mukunda, S. (2006). Photographs and herbarium specimens as tools to document phonological changes in response to global warming. *American Journal of Botany*, 93, 1667-1674.

In-text reference: (Miller-Rushing, et.al., 2006)

Journal Article when each issue begins with p.1:

Bog don off, S., & Rubin, J. (2007). The regional greenhouse gas initiative: Taking action in Maine.

Environment, 49(2), 9-16.

In-text reference: (Bog don off & Rubin, 2007)

Journal Article from a Library Subscription Service Database withaDOI

(digital object identifier):

Mora, C., & Maya, M. F. (2006). Effect of the rate of temperature increase of the dynamic methodon the

heat tolerance of fishes. Journal of Thermal Biology, 31, 337-341.

doi: 10.101b/jtherbio.2006.01.055

In-text reference: (Mora & Maya, 2006)

Website:

United States Environmental Protection Agency. (2007, May 4). Climate Change. Retrieved from the

Environmental Protection Agency website: http://www.epa.gov/climate change

In-text reference: (United States Environmental, 2007)

Gelspan, R. (2007). The Heat Is Online. Lake Oswego, OR: Green House Network. Retrieved from The

Heat Is Online website: http://www.heatisonline.org

In-text reference: (Gelspan, 2007)

Publications by the candidate

Articles, technical notes etc. on the topic of the thesis published by the candidate must belisted after the

references/bibliography section. Entry of this section must also be included in the table of contents. Here

the candidates should also include reprints of his/her publications to fulfill the requirements of Ph.D.

ordinance of the University.

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4. Auxiliary Format

Binding

The evaluation copies of the thesis may be spiral bound or soft bound. The final hard bound copies to be submitted at the time of viva-voice examination will be accepted during the submission of thesis with the following colour specification:

Ph.D. Thesis Black with golden embossing of letters

S. No.	Name of Faculty	Color
1	School of Agriculture	Light Green
2	School of Applied Health Sciences	White
3	School of Arts, Humanities & Social Sciences	Olive Green
4	School of Basic & Applied Sciences	Navy Blue
5	School of Commerce & Management	Yellow
6	School of Computer Science & Engineering	Pink
7	School of Dental Sciences	Magenta
8	School of Law	Black
9	School of Nursing Sciences	Purple
10	School of Pharmaceutical Sciences	Light Blue
11	School of Yoga & Physical Education	Dark Grey

THESIS FONT SIZE FOR HINDI MEDIUM SCHOLARS

Font: Title : 26pt-Bold (For Hindi Font)

Headings : 18pt-Bold, Sub Headings – 14pt (For Hindi Font)

Running Text (Hindi): 14pt- (SG12, Kruti Dev 10)

Bold and Italics : be only used where ever necessary Paragraph Spacing: 1.5

Margin : Left 4cm; Top, Bottom, Right-2.5cm

Page Numbering: Properly Numbered

FOR ENGLISH MEDIUM

Font: Title – 18pt-Bold

Headings – 14pt-Bold, Sub Headings – 14pt

Running Text (English): 12pt-Times New Roman

(Title of Thesis) - Time New Roman Bold 18 pt

A THESIS - Time New Roman Bold 18 pt

Submitted to the Nirwan University, Jaipur

For the Award of - Time New Roman 16 pt

DOCTOR OF PHILOSOPHY - Time New Roman Bold 18 pt

In the School of - Time New Roman Bold 16 pt

 $\mathbf{B}\mathbf{y}$

Time New Roman 14 pt

(Name of the Student) - Time New Roman Bold 16 pt

(Enrolment No.____) - Time New Roman 14 pt

Supervisor

- Time New Roman 14 pt

- Time New Roman Bold 16 pt



- Hight 3.31 cm; width 3.49 cm

NIRWAN UNIVERSITY, JAIPUR

(Year)

- Time New Roman Bold 14 pt

Thesis Approval for Doctor of Philosophy

			Name)	
			Nirwan University Jaipur	is approv
e award of degree of	Doctor of Philosophy.			
			External Examine	rs
			Supervisor (s)	
		D	ean/Principal/Head of the	he Schoo
Date:				

Candidate's Declaration

I hereby certify that the work, which is being prese	ented in the thesis, entitled
	has fulfillment
all requirements for the award of the Degree of Doctor of	Philosophy, carried under the supervision of
Professor/Dr, and submitted to the	e (School of), Nirwan University
Jaipur, represents my ideas in my own words and where oth	ers' ideas or word shave been included, I have
adequately cited and referenced the original sources. The wor	rk presented in this thesis as not been submitted
elsewhere for the award of any other degree or diploma fro	om any Institutions. I also declare that I have
adhered to all principles of academic honesty and integrity	and have not misrepresented or fabricated or
falsified any idea/data/fact/source in my submission. I unde	erstand that any violation of the above will be
cause for disciplinary action by the University and can also e	voke penal action from the sources which have
thus not been properly cited or from whom properpermission	n has not been taken when needed.
	(Signature)
	(Signature)
	(Name of the student)
Date:	
Eni	rolment Number

Certificate by the Research Supervisor

Certified that the:
ii)Thesis entitled
and submitted by
is an original piece of Research Work carried out by the candidate under my supervision. The work presented in this thesis has not been submitted elsewhere for the award of any other degree or diploma Present work evinces the capacity of the candidate for critical examination and independent judgment.
This is also certified that candidate has also fulfilled all the requirements specified by Nirwan University Jaipur (Rajasthan).
iii)From the plagiarism test, it is found that the similarity index of whole thesis is under ten percent.
Signature of Supervisor with date

Certificate by the Research Co-Supervisor (If Any)

Certified that the:	
iv) Thesis entitled	
and submitted by	
is an original piece of Research Work carried out by the car presented in this thesis has not been submitted elsewhere for t Present work evinces the capacity of the candidate for critical	the award of any other degree or diploma.
This is also certified that candidate has also fulfilled all the requ Jaipur (Rajasthan).	nirements specified by Nirwan University,
v) From the plagiarism test, it is found that the similarity index	x of whole thesis is under ten percent.
	Signature of Co-Supervisor with date

Plagiarism Verification
(All information needs to be filled in capital letters)

		Date:
1. N	Name of the Research Scholar:	
2. T	Γitle of the Thesis:	
3. N	No. of Pages	
4. S	School:Subj	ect
5. N	Name of Supervisor:	
5. N	Name of Co-supervisor:	
Т	The above thesis was scanned for similarity detec	tion. The report is as follows:
S	Software used	
S	Similarity IndexTotal	Word count
T	The report is attached for review.	
		Signature of Research Scholar
Т	Γhe plagiarism report of the above thesis has been	reviewed by the undersigned:
	 The similarity index is below accepted norms The similarity index is above accepted norms 	
_	2. The similarity index is above accepted norms	, because of the following reasons.
_		
_		
	The thesis may be considered for submission to that attached for reference.	e University. The software report is

Supervisor

NIRWAN UNIVERSITY, JAIPUR COPYRIGHT TRANSFER CERTIFICATE

Programme:
Subject:
Title of the Thesis:
Name of the Research Scholar:
<u>COPYRIGHT TRANSFER</u>
The undersigned herby assigns to the 'The Nirwan University, Jaipur' all rights under copyright that may exist in and for the above thesis submitted by the undersigned for the award of the Ph.D. degree.
COPYRIGHT OF THE UNIVERSITY
Copyright @Name of the School
Date: Place:

्शीर्षक> (कृतिदेव 010 फॉन्ट साइज 26 बोल्ड,)

विद्या वाचस्पति

(कृतिदेव ०१० फॉन्ट साइज २६ बोल्ड,)

विषय का नाम (कृतिदेव 010 फॉन्ट साइज 26 बोल्ड,)

उपाधि हेतु निर्वाण विश्वविद्यालय जयपुर में प्रस्तुत (कृतिदेव 010 फॉन्ट साइज 20)

शोध प्रबंध

(कृतिदेव 010 फॉन्ट साइज 28 बोल्ड,)

शोधार्थी (कृतिदेव 010 फॉन्ट साइज 20) (कृतिदेव 010 फॉन्ट साइज 22 बोल्ड,)

नामांकन संख्याः (कृतिदेव 010 फॉन्ट साइज 18)



(लोगो की लंबाई 3.31 सेमी. चौढ़ाई 3.49)

निर्देशक

(कृतिदेव 010 फॉन्ट साइज 20)

(कृतिदेव 010 फॉन्ट साइज 22 बोल्ड,)

(कृतिदेव 010 फॉन्ट साइज 20 बोल्ड,)

निर्वाण विश्वविद्यालय

जयपुर, राजस्थान

(कृतिदेव 010 फॉन्ट साइज 18)

वर्ष

(कृतिदेव 010 फॉन्ट साइज 18 बोल्ड,)

विद्या वाचस्पति के लिए शोध प्रबंध का अनुमोदन

यह शोध प्रबंध (शीर्षक) द्वारा (उम्मीदवार का नाम) (नामांकन
संख्या) को (विश्वविद्यालय स्कूल) को प्रस्तुत किया गया। निर्वाण विश्वविद्यालय
जयपुर को विद्या वाचस्पति की डिग्री प्रदान करने की स्वीकृति दी गई है।
बाहय परीक्षक
पर्यवेक्षक
स्कूल के अधिष्ठात्। / प्राचार्य / विभागाध्यक्ष
तारीखः
स्थानः

आभार प्रकटीकरण

आभार प्रकटीकरण अधिकतम एक पृष्ठ का लिखें। इसमें शोधार्थी को अपने शोध कार्य को पूरा करने में भूमिका निभाने वाले सभी लोगों की सराहना करनी चाहिए। निर्देशक, सह—निर्देशक, स्कूल सदस्य, प्रयोगशाला साथी, परिवार के सदस्य आदि का आभार प्रकट किया जा सकता है। इस पृष्ठ पर कोई भी विवादास्पद बयान या गैर—शैक्षणिक/अपमानजनक भावनाओं का नहीं लिखा जा सकता है। अंत में शोधार्थी को अपना हस्ताक्षर करना चाहिए।

दिनांक:	शोधार्थी
	(हस्ताक्षर)
	नाम
	नामांकन संख्या :
	स्कूल
	निर्वाण विश्वविद्यालय जयपुर

घोषणा–पत्र

में घोषणा	करता / करती	हूँ कि मैंने		स्कूल, निव	र्गण
विश्वविद्यालय जयपुर में विद्या वाचस्प	ाति	उपाधि हेत्	Į	विषय	पर
के नियमित	। शोध निर्देशन मे	में यह शोध—प्रबंध प	पूर्ण किया है। प्रस्तुः	त शोध—प्रबंध मे	नेरा
मौलिक कार्य है। मेरे संज्ञान में इसे	अंशतः या पूर्णत	ः इस विश्वविद्याल	य या किसी अन्य	संस्थान में कि	सी
उपाधि हेतू प्रस्तुत नहीं किया गया है	I				
दिनांक:			शोधार्थी		
			(हस्ताक्षर)		
		नामा	कन संख्या :		
		स्कूल	ł		
		निर्वा	ण विश्वविद्यालय ज	नयपुर	

निर्देशक का प्रमाण पत्र

प्रमाणित किया जाता है कि श्री / सुश्री ने मेरे नियमित निर्देशन में	
विषय पर विद्या वाचस्पति उपाधि हेतू स्कूल, निर्वाण	ग
विश्वविद्यालय जयपुर में शोध—प्रबंध प्रस्तुत किया है। मेरे संज्ञान में प्रस्तुत शोध—प्रबंध उनका मौलिक का	र्घ
है एवं साहित्यिक चोरी से मुक्त है। इसे अंशतः या पूर्णतः इस विश्वविद्यालय या किसी उपाधि हेतू प्रस्तुत नह	त
किया गया है। अतः निर्वाण विश्वविद्यालय जयपुर द्वारा (शोधार्थी का नाम) के शोध प्रबंध का मूल्यांकन कर	ने
की अनुशंसा करता हूँ।	
साहित्यिक चोरी से परीक्षण, यह पाया गया कि संपूर्ण शोध प्रबंध का समानता सूचकांक 10 प्रतिशत से क	म
है ।	
(निर्देशक के हस्ताक्षर)	
दिनांकः नाम	
पदनाम	
स्कूल :	
निर्वाण विश्वविद्यालय जयपु	र

सह-निर्देशक का प्रमाण पत्र

(यदि सह–निर्देशक प्राप्त है)

प्रमाणित किया जाता है कि श्री/सुश्री	ने मेरे नियमित निर्देशन	में
विषय पर विद्या वाचस्पति उप	गाधि हेतू	विभाग, निर्वाण
विश्वविद्यालय जयपुर में शोध—प्रबंध प्रस्तुत किया है। मेरे संज्ञान	में प्रस्तुत शोध—प्रबंध उन	का मौलिक कार्य
है एवं साहित्यिक चोरी से मुक्त है। इसे अंशतः या पूर्णतः इस विश्	वविद्यालय या किसी उपाधि	ग्रे हेतू प्रस्तुत नहीं
किया गया है। अतः निर्वाण विश्वविद्यालय जयपुर द्वारा (शोधार्थी	का नाम) के शोध प्रबंध क	ग मूल्यांकन करने
की अनुशंसा करता हूँ।		
साहित्यिक चोरी से परीक्षण, यह पाया गया कि संपूर्ण शोध प्रबंध	का समानता सूचकांक १०) प्रतिशत से कम
है।		
	(सह–निर्दे	शक के हस्ताक्षर)
दिनांकः	नाम	
	पदनाम	
	संबंधन	

साहित्यिक चोरी सत्यापन

		दिनांक
1. शोध छात्र का नाम		
2. शोध प्रबंध का शीर्षक		
3. पृष्ठों की संख्या		
४. स्कूलः विषय		
5. पर्यवेक्षक का नाम		
6. सह–पर्यवेक्षक का नाम		
समानता का पता लगाने के लिए उपरोक्त शोध प्रबंध को स्कैन		
प्रयुक्त सॉफ्टवेयर	दिनांक	
समानता सुचकांक		
रिपोर्ट समीक्षा हेतू संलग्न है।		

शोधार्थी के हस्ताक्षर

उपरोक्त थीसिस की साहित्यिक चारी रिपोर्ट की समीक्षा अधोहस्ताक्षरी द्वारा की गई है:

1. समानता सुचकांक स्वीकृत मानदंडों से नीचे है।

शोध प्रबंध को विश्वविद्यालय में प्रस्तुत करने पर विचार किया जा सकता है। सॉफ्टवेयर रिपोर्ट संदर्भ के लिए संलग्न है।

शोध प्रर्यवेक्षक

निर्वाण विश्वविद्यालय,जयपुर कॉपीराइट स्थानांतरण प्रमाणपत्र

विषय
शोध प्रबंध का शीर्षक
शोधार्थी का नाम
कॉपीराइट स्थानांतरण
अधोहस्ताक्षरी इसके द्वारा निर्वाण विश्वविद्यालय, जयपुर को कॉपीराइट के तहत सभी अधिकार प्रदान करता
है, जो विद्या वाचस्पति को प्रदान करने के लिए अधोहस्ताक्षरी द्वारा प्रस्तुत उपरोक्त शोध प्रबंध में मौजूद हो
सकते हैं।
विश्वविद्यालय का कॉपीराइट
सर्वाधिकार स्रक्षित
दिनांकः
स्थानः

शोध सार

- शोध प्रबंध में सम्मिलित किये गये सभी प्रमुख कार्यों को शोध सार में उजागर करना चाहिए। उद्देश्यों और निष्कर्षों को सहसंबद्ध और स्पष्ट होना चाहिए। शोध सार में विभिन्न अध्यायों को उजागर करने वाले विवरण के साथ शोध प्रबंध का एक संक्षिप्त सारांश शामिल किया जाना चाहिए। शोध प्रबंध को शोध सार भाग में शामिल करने के लिए परिचय और साहित्य समीक्षा की आवश्यकता नहीं है।
- शोध सार को लगभग 500 शब्दों में (दो पृष्ठों में) संकलित किया जाना चाहिए। शोध सार के अंत में बीजशब्दों का उल्लेख किया जाना चाहिए। बीजशब्द शोध प्रबंध के मुख्यता प्रयुक्त होने वाले शब्द होते हैं।