



Dr. C.V. Raman University

(Established by Government of Chhattisgarh Act No. 13 of 2005 and approved
vide UGC Act 2(f) 1956)

Accredited with B+ Grade by NAAC.

RULES, REGULATIONS

AND

STRUCTURE

FOR

Ph.D. PROGRAMME

RULES & REGULATIONS

The candidates who have been registered for Ph.D. program on or after 11th July 2009 are governed by UGC (MINIMUM STANDARDS AND PROCEDURE FOR AWARD OF M.Phil./Ph.D. DEGREE), REGULATION, 2016 PUBLISHED IN THE GAZETTE OF INDIA, DATED 05TH May, 2016.

Adhering to this, Dr. C.V. Raman University Bilaspur, has formulated the rules and regulations for Ph.D. programme and its Ph.D Course Work.

1. ADMISSION:

The admission to the Ph.D. program shall be through entrance test followed by the Interview.

R-1.1 All the Candidates have to appear in Pre-Ph.D. Entrance Test organized by the University (CVRU) as per rules which will be followed by an interview to be organized by the University as the case may be.

R – 1.2 The Preference for Ph.D. Registration will be given to the Candidates having M.Phil./MS degree.

2. COURSE WORK

R-2.1 After been admitted to the Ph.D. Programme, the scholar will have to undergo course work. The course work shall be treated as pre-Ph.D. preparation.

R-2.2 The course work will be carried out in the departments of the University. Under special circumstances scholar may be permitted to complete the course work outside the University at recognized centers subject to prior permission by the University.

R-2.3 The Scholar, who is already having the M. Phil degree if admitted to Ph.D. programme, is exempted from the Ph.D. course work by the department. He/ She is required to submit the proposed synopsis for approval of RDC.

R-2.4 The Scholar on successful completion of the course work will be required to submit his/her proposed synopsis. On the approval by Research Degree Committee (RDC), Scholar will be registered for pursuing Ph.D. programme.

R-2.5 If the Scholar fails to complete the course work he/she will be required to pursue it again (only one chance) as per rules.

R-2.6 The structure for Ph.D. course work for all disciplines is as given in Table-1 below.

TABLE-1

STRUCTURE FOR Ph.D. COURSE WORK (Common for all Disciplines)

S. No.	Name of course	Credits	Theory marks		Assignment marks		Presentation		Total
			Max	Min	Max	Min	Max	Min	
1	Research Methodology	6	70	39	30	17	-	-	100
2	Subject Paper	6	70	39	30	17	-	-	100
3	Report writing on literature review & Presentation	6	-	-	50	28	50	28	100
TOTAL		18							300

3. COURSE WORK ASSESSMENT:

The rules given below are specified for the examination scheme mentioned in the particular course work structure as shown in table-1.

R-3.1 Continuous Assessment:

The continuous assessment of Ph.D. course work for all disciplines will be done by concerned and appropriate faculty of the research centre.

R-3.1.1

The continuous assessment of Ph.D. course work of the paper Research Methodology, Subject paper and Report writing on literature review & Presentation will be evaluated on the basis of the class tests/assignments/case studies.

R-3.1.2

The presentation of report writing on literature review will be conducted in the concerned department.

R-3.2 *End Semester Examination (ESE)*

R-3.2.1 The End semester Examination for the theory courses are as follows

- | | | |
|-------------------------|------------------|----------|
| a) Research Methodology | 3 Hours duration | 70Marks |
| b) Subject paper | 3 Hours duration | 70 Marks |

R-3.2.2 *Passing marks in each course and report writing will be 55%.*

4. RULES OF EXAMINATION & PERFORMANCE REQUIREMENTS (Course Work)

R-4.1 The Authority of Dr. C.V.Raman University, Bilaspur will be responsible for paper setting, preparing the schedule of the examination, conducting the examination, appointment of examiners, assessment &awarding the marks for the ESE of the course.

R -4.2 All the Scholars admitted in Ph.D. programme will have to appear in course work examination.(Exemption will be made as per **R -2.3**)

R-4.3 Those Scholars who have failed or found absent in Pre Ph.D. course work examination will be given a chance to re-appear in the next course work examination as to be scheduled there on later.

R-4.4 The registered candidates for Ph.D. will have to undertake Teaching assignments as assigned by respective head of the Department.

R-4.5 Inter-University transfer is permitted as and where basis. (Subject to the approval by VC)

5. RULES FOR THESIS WORK:

Upon satisfactory completion of course work, scholar should undergo research work and produce a drafted thesis within a reasonable time.

R-5.1 Ph.D. programme will be for a minimum duration of three years, including course work and a maximum of six years.

R-5.2 The Scholar must put in at last 200 days attendance including actual attendance he/she will earn during the course work.

R-5.3 The Scholar will be required to submit a six monthly report of his/her progress duly signed by his/her supervisor/co-supervisor if any, along with copy of fee receipt, otherwise the report will not be accepted.

R-5.4 If the progress of work is not found satisfactory in two successive reports or no reports are received for a period of one year and the scholar fails to deposit fee, then the VC has the authority to cancel the name of the scholar from the list of those registered for Ph.D. degree and no fee will be refunded as paid earlier.

- R-5.5** Prior to submission of the thesis, the scholar should prepare and present a pre-Ph.D. presentation in the department that may be open to all faculty members & research students for getting feedback and comments, which may be suitably incorporated into the drafted thesis under the advice of the supervisor.
- R-5.6** The length of summary should be between 10-25 pages and Thesis not less than 100 pages.
- R-5.7** Ph.D. Scholars must publish at least one (01) research paper in UGC CARE Listed Journal (Scopus/Web of Science) and make two (02) papers presentations in conference/seminar before the submission of the thesis for adjudication and produce evidence for the same in the form of reprints.
- R-5.8** The Scholar should submit three (3) copies of the summary of the thesis along with one soft bound copy (MS Word/ Kruti Dev), one copy of published research paper and 2 Papers presentation Certificates in conference/seminar through his supervisor to the concern Department and the DRC will verify it before submission in research cell for summary presentation.
- R-5.9** After successfully presentation of the summary of the Thesis by the scholar, he/she will be eligible for submission of his /her Ph.D Thesis within 3 months from the date of approval of summary.
- R-5.10** The Scholar should submit 3 copies of his/her thesis in Hard bound copy along with 2 soft copy in CD (word file/ kuruti dev) for evaluation.
- R-5.11** Reprint of one research paper published in UGC CARE listed journals and 2 papers presented in conference/ seminar etc. relevant to the topic of research much be attach in Summary / Thesis.
- R-5.12** Acceptance letter will not be considered as published research paper.
- R-5.13** The research scholar are advise to strictly follow the format.
- R-5.14** The thesis must be accompanied by a declaration from the scholar that the thesis embodies his/her own work and he/she has worked and investigated under the supervision of the supervisor.
- R-5.15** The certificate from the supervisor together with co-supervisor, if any, that the thesis fulfills the requirements of the ordinance ruling to the Ph.D degree of the University is to be submitted.
- R-5.16** The Scholar should also submit the examination fee witin time during the submission of Thesis.
- R-5.17** The plagiarism report of the thesis must be attached in annexure of the thesis.

Syllabus

(Ph.D. course work)

The detailed syllabus of Research methodology and subject paper is available in the respective departments.

Format for Report Writing on Literature Review & Presentation

1. Statement/Hypothesis of problem of Research.
2. Back History
3. Present status
4. List of Reference.
 - (i) **Books:** Author/Title of Book/Publisher/Year of Publication.
 - (ii) **Research papers:** Author/Title/Journals/Year/Volume/Page.
 - (iii) E-reference.

Guide lines for preparation of Synopsis, Summary and Thesis

After successful completion of course work the Scholars are eligible for synopsis presentation (RDC).

All required formats are as follows:

Annexure- A. Format of Synopsis

Annexure-B. Format of Progress Report with Attendance Sheet

Annexure-C. Guidelines for Summary/Thesis Writing

GUIDELINES FOR PREPARING Ph.D. SYNOPSIS

Format: (Front Page)

SYNOPSIS

OF

.....Title of Ph.D. Thesis.....

.....(in Capital letters).....

(Font Size 16)



A synopsis of the proposed research plan

*Submitted for the degree of
Doctor of Philosophy in*

(Font Size 16)

.....
.....

(Subject Name)

SUPERVISOR

.....

Co-SUPERVISOR

.....

INVESTIGATOR

.....

Dr. C.V.RAMAN UNIVERSITY

KARGI ROAD KOTA, BILASPUR(C.G.)

Year:.....

SYNOPSIS FOCUSES THE FOLLOWING POINTS:

1. Title of the Topic
2. Introduction
3. Review of Literature
4. Rationale of the study (Explain The Reason For Selecting The Topic)
5. Objectives/Hypothesis/Assumptions(if applicable)
6. Methodology (Research Design/Sample Size/Experimental Details)
7. Expected outcomes and social importance of the research
work
8. References (As Per LaTeX ,APA)

SUPERVISOR

.....

Co-SUPERVISOR

.....

INVESTIGATOR

.....

Note: -

- i. The synopsis must be sealed and signed by supervisor & investigator.
- ii. Five copies of the synopsis should be submitted at the University.



Dr. C.V.RAMAN UNIVERSITY

KARGI ROAD KOTA, BILASPUR(C.G.)

Phone : 07753 – 253801, Mo. 9617779322,

Website: www.cvr.ac.in, Email: cvrurainfo@cvru.ac.in

Progress Report -

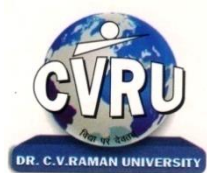
(Six monthly progress report of the Research work done by the research Scholar)

1.	Name of the Research Scholar		
2.	Subject		
3.	Topic registered for Ph.D. Degree		
4.	Name of Supervisor/Co-supervisor		
5.	Number of Days Reported to Supervisor		
6.	Remarks of Supervisor/Co-supervisor on the work done on the topic by the candidate		

Note: - The detail report may be attached in separate sheet.

Name &Signature of the Supervisor

Name & Signature of Research Scholar Name &Signature of the Co- Supervisor



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Progress Report -

Attendance Sheet

(Six monthly progress report of the Research work done by the research Scholar)

S.No.	Month	No. of Days Attended
1		
2		
3		
4		
5		
6		
Total		

Name & Signature of the Supervisor

Name & Signature of Research Scholar Name & Signature of the Co- Supervisor



Dr. C.V. Raman University, Kota, Bilaspur (C.G.)

Guidelines for preparation of Summary / Thesis for Ph.D. (Program)

The Ph.D. Summary / Thesis is an important academic document that reflects the research aspirations and objectives of the University, and has an infinite life time. A good. Summary / Thesis should be clear and unambiguous and have a logical structure that should assist the reader's, understanding of the argument being presented. Therefore, it is expected, to comply with the following general guide lines.

SUMMARY / THESIS FORMAT

The Summary / Thesis consists of three main parts (i) The Preliminaries (ii) The Text (iii) Annexure. It is to be arranged in the following sequence.

THE PRELIMINARIES:

- ❖ Title Page (Outer Cover) as per the format given in Annexure I, **(should be printed in White Colour on a Navy Blue background).**
- ❖ Title Page (Inner Cover) as per the format given in Annexure II.
- ❖ Declaration by the candidate (Annexure – III)
- ❖ Certificate of Supervisor/s (Annexure – IV)
- ❖ Acknowledgements (Annexure – V)
- ❖ Table of Contents (Annexure – VI)
- ❖ Abstract/Preface
- ❖ List of Tables (If applicable)
- ❖ List of Figures (If applicable)
- ❖ List of abbreviations (Optional)
- ❖ Chapter –I tocontinue according to the table of contents.

THE TEXT OF THE THESIS

The text the thesis is usually divided in to chapter's with subheadings, within the chapters to indicate the orderly progression of topics and their relation to each other

Chapter-I Introduction: - The thesis should normally begin with a general introduction presenting an overview of the purpose and significance of the study. The introduction should show why the topic selected is worth investigating. This will normally be done with reference to existing research, identifying areas that have not been explored, need to be explored. The final section of the introduction should provide a brief overview of each of the main chapters that the reader will encounter.

Chapter-II Review of Related Literature: - The purpose of the literature review is to summarize, evaluate and compare the main developments and current database in the field which are specifically relevant to the subject of research embodied in the thesis.

Chapter-III Research Methodology : - The supervisor and the student may decide how this part of the thesis should be structured. Although this section varies depending on method and analysis technique chosen, the chapter describes and justifies the methods chosen for the study and why this method was the most appropriate.

Chapter-IV Observations & Analysis:-Observations , Analysis and Interpretation should be done as per data collected from sample.

Chapter-V Results Conclusions and Suggestions: The results are actual statement of observations, including statistics, tables and graphs. Do not present the same data as graph as well as table. Use one of the appropriate style of presentation. The purpose of this chapter is not just to reiterate the findings but discuss the observation in relation to the theoretical body of knowledge on the topic.

Chapter-VI Summary: Start with a few sentences that summarize the important results and conclude by giving the strongest and most important statement that highlights the outcome of the study. The conclusion should provide answers or solutions to the questions or problems raised in the introduction chapter.

Reference/Bibliography Citation in Text: Citation in the text usually consists of the name of the author(s) and the year of the publication. The page no is added when utilizing a direct quotation. It should be arranged Alphabetically .

Example (i): Thomas.V (2007) identified....

Example (ii): Gould and Brown (1991, p. 14) used the

Example (iii) : Rhoades et. al (2008) define the

References/Bibliography: All publications listed in the thesis should be presented in a list of references/Bibliography, following the sample.

Citation from Thesis:

- Kundur., D. (1999), Multiresolution Digital Watermarking: Algorithms and Implications for Multimedia Signals. Ph.D. Thesis, University of Toronto.

Citation from Journal:

- Clifford, G. D. and Tarassenko.,s L. (2001),One-pass Training of Optimal Architecture Auto-associative Neural Network for Detecting Ectopic Beats. Electron Letters. 37(18): 1126–1127.
- Rhoades, B.E. (1997), A Comparison of various definitions of Contractive mappings, Trans. Amer. Math. Soc., Vol. 5, no.3, 257-290.

Citation from Books:

- Thompson, D. ed., (1995),The Concise Oxford Dictionary of Current English. Oxford, UK: Oxford University Press, 9th ed. ISBN No.: 0987654.

- Lindsay, D. (1999), A Guide to Scientific Writing, Melbourne, Chapter 2, Australia: Addison Wesley Longman Australia, 2nd ed. ISBN No.: 12345678.

Citation from Website:

Anonymous, unZign, “Tool for Evaluating a Variety of Watermarks”, <http://altern.org/watermark/>, (Browsing date: 23rd September 1997)

Publication of the University of Geneva (on digital watermarking): <http://cuiwww.unige.ch/~vision/Publications/watermarking_publications.html> (Browsing Date: 4th January 2006)

Citation from patent:

Gustafsson J. K. (1976), “Analog-digital converter for a resistance bridge”, Patent U. S. 3960010, June 1,.

References must be given alphabetically in References section and in text as

Clifford. G. D. and Tarassenko. L. (2001) suggested that.....

Appendices:

- List of Research Paper Published
- Reprint of Published Research Paper
- Questionnaire /Formula /Diagnosis/Any other Supporting Documents

GUIDELINES FOR WRITING:-

1. Font size For English	Font size For Hindi	
Title Page	18-24	18-24
Headings / subheadings	12-16	16-20
Text	12	14
Footnotes	8-10	10-12

Footnotes be given on the same page where reference is quoted

2. Type style

- Times New Roman/ Latex for English.
- Kruti dev 10 for Hindi.
- For plagiarism check, Thesis converts in Mangle fond for Hindi script.

3. Margins.

At least 1¼ -1½ inches (3.17-3.81cm) on the left-hand side, ¾ - 1 inch (2 - 2.54cm) at the top and bottom of the page, and about ½ - 0.75 inches (1.27 - 1.90cm) at the outer edge. The best position for the page number is at top-center or top right ½ inch (1.27 cm) below the edge. Pages containing figures and illustration should be suitable paginated.

4. The Summary / Thesis shall be computer typed (**English-** British, Font Style -Times Roman, Size-12 point, **Hindi-** Font Style -Krutidev-10,Size-14) and printed on A4 size paper.
5. The Summary / Thesis shall be typed on one side only with double space with appropriate margin.

6. Use only standard abbreviations. Avoid abbreviations in the title. The full term for which an abbreviation stands should precede its first use in the text except in case of measurement units. The measurement units if any shall be followed consistently.
7. Maintain uniformity in writing the Summary / Thesis.
8. All copies of the *Thesis* are to be bound in colored hard cover (according to color code) of the *Thesis*.
9. Title of the *Thesis*, the name of the supervisor(s) and the scholar should also be incorporated in a vertical manner in the binding spine (outer vertical edge) of the *Thesis*.

THE TITLE OF THE THESIS IN THE OUTER COVER SHALL LOOK EXACTLY LIKE THIS TITLE

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Summary / Thesis submitted to

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Dr. C.V. Raman University

Kota, Bilaspur (C.G.)

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DOCTOR OF PHILOSOPHY

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© <Year><Name of the Scholar>. All rights reserved.

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शोध-प्रबंध शीर्षक

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प्रस्तुत सारांश / शोध-प्रबंध

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डॉ. सी. वी. रामन् विश्वविद्यालय,

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करगी रोड, कोटा बिलासपुर (छ.ग.)

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Under the Guidance of

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<NAME OF THE SUPERVISOR/S>

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<Month><Year>

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DECLARATION

I the undersigned solemnly declare that the thesis entitled “**title of the work**” is based on my own work carried out during the course of my study under the supervision of < name of supervisor >.

I assert that the statements made and conclusions drawn are an outcome of my research work.

I further certify that

- i. The work contained in the Thesis is original and has been done by me under the general supervision of my supervisor (s).
- ii. The work has not been submitted to any other Institute for any other Degree/Diploma/Certificate in this University or any other University of India or abroad.
- iii. I have followed the guideline provided by the University in writing the Thesis.
- iv. I have conformed to the norms and guidelines given in the concerned Ordinance of the University.
- v. Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the Thesis and giving their details in the references.
- vi. Whenever I have quoted written materials from other sources, I have put them under quotation marks and given due credit to the sources by citing them and giving required details in the references.

(Name & Signature of the Research Scholar)

Enrollment No.

घोषणा पत्र

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मैं (शोधार्थी का नाम), अधोहस्ताक्षरित घोषणा करता/करती हूँ कि मैंने पी-एच.डी (विषय) उपाधि हेतु प्रस्तुत शोध-प्रबंध (शोध शीर्षक), निर्देशक (निर्देशक का नाम) के निर्देशन में तैयार किया है, जो मेरी मौलिक कृति है।

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यहाँ मैं यह घोषणा करता/करती हूँ कि शोध प्रबंध में बनाये गये तथ्यों एवं प्राप्त निष्कर्ष मेरे शोध कार्य का परिणाम है। मैं आगे घोषणा करता/करती हूँ कि

1. शोध ग्रंथ में निहित कार्य मौलिक है और मेरे निर्देशक के निर्देशन के तहत मेरे द्वारा किया गया है।
2. यह शोध कार्यदेश के किसी विश्वविद्यालय या विदेश के किसी संस्थान अथवा विश्वविद्यालय में डिग्री/डिप्लोमा/ सर्टिफिकेट आदि के लिए प्रस्तुत नहीं किया गया है।
3. मैंने शोध प्रबन्ध तैयार करने हेतु विश्वविद्यालय द्वारा प्रदत्त शोध निर्देशन का पूर्ण रूप से पालन किया है।
4. मैंने विश्वविद्यालय के संबंधित अध्यादेश में दिए गए मानदंडों और दिशानिर्देशों का पालन किया है।
5. जब भी मैंने अन्य स्रोतों से सामग्री (डेटा, सैद्धांतिक विश्लेषण और पाठ) का उपयोग किया है, मैंने उन्हें शोध ग्रंथ के पाठ में उनका हवाला देते हुए और संदर्भ सूची में उन्हें उल्लेखित किया गया।
6. जब भी मैंने अन्य स्रोतों से लिखित सामग्री उद्धृत करली है, मैंने उन्हें उद्धरणचिह्नों के तहत रखा है और स्रोतों को उद्धृत करके और संदर्भ में आवश्यक विवरण देकर उन्हें श्रेय दिया है।

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(शोधार्थी का नाम एवं हस्ताक्षर)

नमांकन क्रमांक :

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CERTIFICATE

This is to certify that the work incorporated in the thesis entitled “ title of the thesis” is a record of research work carried out by <Name of research scholar> under my supervision for the award of degree of **Doctor of Philosophy** in <Subject Name>Faculty of <name of faculty> of Dr. C.V. Raman University, Bilaspur (C.G.)-India.

To the best of my knowledge and belief the thesis:

- i. Embodies the work of the candidate himself/herself,
- ii. Has duly been completed.
- iii. Fulfill the requirements of the Ordinance relating to the Ph.D. degree of the University, and
- iv. Is up to the desired standard both in respect of contents and language for being referred to the examiners.

Supervisor

(Name and signature of the Supervisor
With designation and Name of Organization)

Co- Supervisor

(Name and signature of the Supervisor
With designation and Name of Organization)

(Signature of the Head of Research Centre)

(Seal of Research Centre)

प्रमाणपत्र

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प्रमाणित किया जाता है कि (शोधार्थी का नाम) ने डॉ. सी. वी. रामन् विश्वविद्यालय के .
.....संकाय के अंतर्गत विषयशीर्षक
पर अपना शोध-ग्रंथप्रबंध प्रस्तुत किया है।

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मेरी ज्ञात जानकारी के अनुसार यह शोध-ग्रंथ :-

1. शोधकर्ता के स्वयं की कृति है।
2. यह शोध कार्य विधिवत पूरा किया गया है।
3. पी.एच.डी.उपाधि के लिए विश्वविद्यालय के संबंधित अध्यादेश में चाही गई शर्तों का पालन करता है।
4. शोध प्रबंध भाषा एवं विषय वस्तु के आवश्यक मापदण्ड के अनुरूप है, जिसे परीक्षक को प्रेषित किया गया है।

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मार्गदर्शक

(मार्गदर्शक का नाम और हस्ताक्षर
पदनाम और संस्था का नाम के साथ)

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सह-मार्गदर्शक

(सह-मार्गदर्शक का नाम और हस्ताक्षर
पदनाम और संगठन का नाम के साथ)

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(शोध केन्द्र के प्रमुख का हस्ताक्षर)

(शोध केन्द्र का मुहर)

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ACKNOWLEDGEMENT

Acknowledgements should be brief and should not exceed one page. Acknowledgements should be duly signed by the candidate. Gratitude may be expressed to only those who really contributed to the work directly or indirectly. If finance for the project came from any funding organization (Government, semi-Govt., Govt. undertaking, or NGO) or any individual (not parents), then the concerned organization or individual must be acknowledged. Name of scholar(s) should appear at the bottom of the page.

SAMPLE ACKNOWLEDGEMENT

It is a matter of immense pleasure to express the overwhelming sense of gratitude, devotion, incontestable regards to my esteemed & learned guides <.....> who have striven to perfect my Thesis.

.....
.....
.....

Finally, I express my indebtedness to all who have directly or indirectly contributed to the successful completion of my research work.

< Name of Research scholar>

आभार

अनुबंध-V

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आभार संक्षिप्त होना चाहिए और एक पृष्ठ से अधिक नहीं होनी चाहिए। आभार उम्मीदवार द्वारा विधिवत हस्ताक्षरित होना चाहिए। कृतज्ञता केवल उन लोगों को व्यक्त की जा सकती है जिन्होंने प्रत्यक्ष या अप्रत्यक्ष रूप से काम में योगदान दिया। यदि किसी भी फंडिंग संगठन (सरकार, अर्ध-सरकारी, सरकारी उपक्रम, या गैर-सरकारी संगठन) या कोई व्यक्ति (माता-पिता नहीं) से इस परियोजना के लिए वित्तीय भार आया, तो संबंधित संगठन या व्यक्ति को स्वीकार किया जाना चाहिए। आभार दीये जाने वाले व्यक्तियों का नाम पृष्ठ के नीचे दिखाई देना चाहिए।

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यह मेरे लिए अत्यंत खुशी की बात है कि मेरे सम्मननीय निर्देशक (निर्देशक का नाम) जिन्होंने मेरे शोध कार्य को पूरा करने का प्रयास किया है—

.....
.....
.....
.....

अंत में, मैं उन सभी के प्रतिकृतज्ञता व्यक्त करना चाहता हूँ जिन्होंने मेरे शोध कार्य में प्रत्यक्ष या अप्रत्यक्ष रूप से अपना सहयोग प्रदान किया ।

<शोधार्थी का नाम>

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अनुक्रमणिका

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परिशिष्ट

शोधार्थी द्वारा प्रकाशित शोध पत्रों की सूची

शोध पत्र में प्रकाशित आलेख की छायाप्रति/स्वीकृति पत्र