

TITLE OF THE THESIS-18 TIMES NEW ROMAN-BOLD
TITLE OF THE THESIS-18 TIMES NEW ROMAN-BOLD

*Thesis submitted
in the partial fulfilment of the requirements for the degree of*

Doctor of Philosophy

in

Subject

Submitted by

Ph.D. Scholar Name
(Enrollment No.)

Under the guidance of

Name of the supervisor
Designation
Department
School/College



SHRI GURU RAM RAI UNIVERSITY

Patel Nagar/Pathribhag, Dehradun, Uttarakhand, India

Month Year

The plagiarism report shall be placed next to the title page in the thesis.

(Changes should be made on the highlighted part)

(Remove red font part)



SHRI GURU RAM RAI UNIVERSITY

Patel Nagar, Dehradun-248001, Uttarakhand, India

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DECLARATION BY THE CANDIDATE

I hereby declare that the thesis of proposed research work entitled "*Thesis Title*" in the partial fulfillment of the requirements for the degree of **Doctor of Philosophy** in **Subject Name** submitted to Shri Guru Ram Rai University, Dehradun, Uttarakhand is an authentic record of Bonafide research work carried out by me under the supervision of **Prof/Dr. Supervisor Name**. I further declare that the assistance and help received during the course of this investigation has been duly acknowledged. The matter presented in this thesis has not been submitted by me for the award of any other degree of this or any other institution.

Signature

Name

Registration No.

Ph.D. Scholar

Department

School/College

SGRRU, Dehradun



SHRI GURU RAM RAI UNIVERSITY

Patel Nagar, Dehradun-248001, Uttarakhand, India

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CERTIFICATE

This is to certify that the thesis entitled "*Thesis Title*" submitted in partial fulfillment of the requirements for degree of **Doctor of Philosophy** in **Subject Name** from Shri Guru Ram Rai University, Dehradun, is record of Bonafide research carried out by **Mr./Ms. Candidate Name** Enrollment No. **XYZ**, under my supervision and no part of this has been submitted for any other degree or diploma. The assistance and help received during the course of this investigation have been duly acknowledged.

Signature

Name

Supervisor

Designation

Department

School/College

SGGRU, Dehradun

Signature

Name

Co-Supervisor

Designation

Department

School/College

University

Signature

Name

External expert

Designation

Department

School

University

ACKNOWLEDGEMENT

I would like to take this opportunity to express my deep sense of gratitude and profound feeling of admiration to my thesis supervisor. Many thanks to all those who helped me in this work...

Signature

(Name of the Research Scholar)

DEDICATION

To

my beloved parents...

ABSTRACT

(Should not exceed more than two pages)

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Note: The *number of chapters* presenting the main contributions may be adjusted according to the requirements of the thesis' objectives.

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LIST OF ABBREVIATIONS/NOTATIONS

SGRRU	<i>Shri Guru Ram Rai University</i>

CHAPTER 1

INTRODUCTION

Note: Chapter 1 (*Introduction*) should include a section titled “Thesis Outline” or “Organization of the Thesis” at the end of the chapter.

Format descriptions for the whole Thesis unless mentioned.

1. Left and right margin for the thesis should be fix as **2.5 cm** from inside and **1.75 cm** from outside (except similarity report). Both top and bottom margin should be **2.5 cm**.
2. Text in the whole thesis must be written in the Times New Roman fonts with **1.5 pt** spacing (excluding bibliography section, keep **1 pt** spacing in bibliography).
3. Chapter numbering and its title must be written at the top-left corner in Times New Roman with font size **16**, **Bold**, **UPPERCASE**, with a line break as provided above.
4. Font size: **14** for *section heading* in **Bold** with Capitalize Each Word¹.
5. Font size: **12** for *subsection heading* in **Bold** with Capitalize Each Word¹.
6. Font size: **12** for *sub-subsection heading* with Sentence case.
7. Numbering for section should be as follows:

2.1. Section Heading

2.1.1. Subsection Heading

2.1.1.1. Subsubsection heading

8. Each paragraph should end with **6 pt** before spacing and **0 pt or 6 pt** after spacing and each section title should start with **12 pt** before spacing and **0 pt or 6 pt** after spacing. (**check Layout in Menu Bar**)
9. Font size: **12** for text in the chapters and rest of the thesis. Font size: **11** for text in tables.
10. Figure and Table should be referred as **Fig. 1** and **Table 1**
11. Each new Chapter should start with odd page number (i.e., right hand side page).
12. Reference style: IEEE/APA

¹To write the title in Capitalize Each Word, capitalize the first and last words, as well as all major words such as nouns, verbs, adjectives, and adverbs. However, conjunctions are not capitalized unless they are the first or last word in the title. For example, in the title “The Importance of Conjunctions in Writing,” the first and last words are capitalized, but the word “in” is lowercase.

FOR HINDI TYPESETTING

थीसिस का सारांश Mangal/Kruti Dev फॉन्ट में लिखा जाना चाहिए, फॉन्ट आकार: 14

(text) and 16 (heading), पंक्ति अंतराल: 2.5 cm बाएँ और 1.75 cm दाएँ मार्जिन, तथा

CHAPTER 2

LITERATURE REVIEW

Note: This chapter should also include sections on “Research Gaps” and “Thesis Objectives”.

CHAPTER 3

TITLE

CHAPTER 4

TITLE

CHAPTER 5

TITLE

CHAPTER 6

CONCLUSION & RECOMMENDATIONS/FUTURE SCOPE

BIBLIOGRAPHY

Thesis Bibliography Guide: IEEE Style

References in the text must match the reference list both in number and style. All sources must be mentioned in the text.

References in the Text

- References must be numbered in the order in which they appear in the text.
- Once you label the source, use the same number in all subsequent references.
- Each reference number should be enclosed by square brackets on the text line, with a space before the bracket, and before the punctuation: “... end of the line for my research [12].”
- It is not necessary to mention the author(s) of the reference unless it is relevant to your text. Do not mention the date of the reference in the text.
- It is not necessary to say “in reference [27]...” “In [27]...” is sufficient.
- To cite more than one source at a time:
Vastly preferred: [1], [3], [5] or [1] - [5]
Acceptable: [1, 5, 7] or [1-5]
You may have to adjust your computer program format to get the preferred form.
- The names of all authors should be given in the references unless the number of authors is greater than six. If there are more than six authors, you may use et al. (no comma before et) after the name of the first author.

The Reference List

- References must be listed in the order they were cited (numerical order). The references must not be in alphabetical order.
- The bracketed number should be on the line, and the lines of each entry indented.
- List only one reference per bracketed number.
- Footnotes and other words and phrases not part of the reference format should not be included in the reference list. Phrases such as “for example” should only be given in the text.

Capitalization

- Every (important) word in the title of a book must be capitalized.
- Every (important) word in the title of a journal or conference must be capitalized.
- Capitalize only the first word of an article title (except for proper nouns, acronyms, etc.)
- Capitalize only the first word of a paper, thesis, or book chapter.
- Capitalize the “v” in volume for a book title, but not for a periodical.

Punctuation

Punctuation goes inside the quotation marks. An example with a question mark is provided under periodicals.

Abbreviations

- You must either spell out the entire name of each periodical you reference or use accepted abbreviations. You must consistently do one or the other.
- You may spell words such as volume, December, etc., but you must either spell out all such occurrences or abbreviate all.

- You do not need to abbreviate March, May, June, July.
- To indicate a page range: pp. 111-222. But to reference one page only, use only one p: p. 111.

Spacing

- Please note the correct spacing and punctuation for author names:
D. L. Tao, C. Siva Ram Murthy, and S. Al Kuran
But
T.-C. Hsu and L. A. Stein-Rosenberg

What does it mean?

1. *Spaces between initials*

Correct: D. L. Tao

Incorrect: D.L.Tao

Rule: There must be **one space after each period** in initials.

2. *Hyphenated given names*

Correct: T.-C. Hsu

Incorrect: T. - C. Hsu and T. C. Hsu

Rule: No spaces around the hyphen and Periods remain after initials

3. *Compound surnames are NOT hyphenated unless they truly are*

Correct: Siva Ram Murthy

Incorrect: Siva-Ram Murthy

Rule: If the author's actual surname has spaces, keep them.

4. *Hyphenated surnames must stay hyphenated*

Correct: Stein-Rosenberg

Incorrect: Stein Rosenberg

Rule: Hyphens in surnames are preserved exactly as published.

5. *Comma and “and” placement*

Correct: A. Author, B. Author, and C. Author

Incorrect: A. Author and B. Author and C. Author

Rule: Commas between authors; **Comma before “and”** (Oxford comma), Space after every comma.

Books

- [1] S. M. Hemmingsen, Soft Science. Saskatoon: University of Saskatchewan Press, 1997.
- [2] A. Rezi and M. Allam, “Techniques in array processing by means of transformations,” in Control and Dynamic Systems, Vol. 69, Multidimensional Systems, C. T. Leondes, Ed. San Diego: Academic Press, 1995, pp. 133-180.
- [3] D. Sarunyagate, Ed., Lasers. New York: McGraw-Hill, 1996.

Journal (Periodicals)

- [3] G. Liu, K. Y. Lee, and H. F. Jordan, “TDM and TWDM de Bruijn networks and shufflenets for optical communications,” IEEE Transactions on Computers, vol. 46, pp. 695-701, June 1997.
- [4] J. R. Beveridge and E. M. Riseman, “How easy is matching 2D line models using local search?” IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 19, pp. 564-579,

June 1997.

Articles from Published Conference Proceedings

The word *in* before the conference title is not italicized.

- [5] N. Osifchin and G. Vau, "Power considerations for the modernization of telecommunications in Central and Eastern European and former Soviet Union (CEE/FSU) countries," in Second International Telecommunications Energy Special Conference, 1997, pp. 9-16.
- [6] S. Al Kuran, "The prospects for GaAs MESFET technology in dc-ac voltage conversion," in Proceedings of the Fourth Annual Portable Design Conference, 1997, pp. 137-142.

Papers Presented at Conferences, but Unpublished

- [7] H. A. Nimir, "Defuzzification of the outputs of fuzzy controllers," presented at 5th International Conference on Fuzzy Systems, Cairo, Egypt, 1996.

Reports (technical reports, internal reports, memoranda)

Provide number and month if available.

- [8] K. E. Elliott and C. M. Greene, "A local adaptive protocol," Argonne National Laboratory, Argonne, France, Tech. Rep. 916-1010-BB, 1997.

Thesis or Dissertation

- [9] H. Zhang, "Delay-insensitive networks," Ph.D. thesis, University of Waterloo, Waterloo, ON, Canada, 1997.

Manual

- [10] Bell Telephone Laboratories Technical Staff, Transmission System for Communications, Bell Telephone Laboratories, 1995.

Class Notes

- [10] "Signal integrity and interconnects for high-speed applications," class notes for ECE 497JS, Department of Electrical and Computer Engineering, University of Illinois at Urbana-Champaign, Winter 1997.

Private Communication

- [11] T. I. Wein (private communication), 1997.

From the Internet

- [12] Computational, Optical, and Discharge Physics Group, University of Illinois at Urbana-Champaign, "Hybrid plasma equipment model: Inductively coupled plasma reactive ion etching reactors," December 1995, <http://ugelz.ece.uiuc.edu/Projects/HPEM-ICP/index.html>.
- [13] D. Poelman (dirk_poelman@rug.ac.be), "Re: Question on transformerless power supply," Usenet post to sci.electronics.design, July 4, 1997.

Catalog

- [14] Catalog No. MWM-1, Microwave Components, M. W. Microwave Corp., Brooklyn, NY.

Application Notes

- [15] Hewlett-Packard, Appl. Note 935, pp. 25-29.

Patents

[16] K. Kimura and A. Lipeles, “Fuzzy Controller Component,” U. S. Patent 14,860,040, December 14, 1996.

Note: For convenience, author can use Reference Manager software such as Mendeley, Zotero, etc.

APA 7th ed.

This guide is a quick introduction to the American Psychological Association (APA) Style for references and citations.

In-text Citations

When you reference another source use an in-text citation in the body of your paper.

Basic Format: (Author's Last Name(s) or Organization, Year).

I'm using...

1. Summarizing or Paraphrasing

Paraphrasing or summarizing the main findings or takeaways from a research article is the preferred method of citing sources in an APA paper. Always include the last name of the author(s) and the year of the publication, so your reader can find the full citation in the reference list.

According to Shavers (2007), limitations of studying socioeconomic status in research on health disparities include difficulties in collecting data on socioeconomic status and the complications of classifying women, children, and employment status.

2. Direct Quotes

If you're quoting the exact words of someone else, introduce the quote with an in-text citation in parentheses. Any sentence punctuation goes after the closing parenthesis.

- According to Brown (2019), “Direct quote” (p. 1021).
- Brown (2019) found that “Direct quote” (p. 1021).
- [Some other introduction] “Direct quote” (Brown, 2019, p. 1021).

If you're directly quoting more than 40 words, use a **blockquote**. Block quotes don't need quotation marks. Instead, indent the text 1/2" as a visual cue that you are citing. The in-text citation in parentheses goes after the punctuation of the quote.

Shavers (2007) study found the following:

While research studies have established that socioeconomic status influences disease incidence, severity and access to healthcare, there has been relatively less study of the specific manner in which low SES influences receipt of quality care and consequent morbidity and mortality among patients with similar disease characteristics, particularly among those who have gained access to the healthcare system. (p. 1021)

Toro Tip: Use direct quotes sparingly! Focus on summarizing the findings from multiple research studies. In the sciences and social sciences, only use the exact phrasing or argument of an individual when necessary.

In-text citations differ depending on the number of authors listed for a work, and if there is a group author.

I'm citing a work with...

1 Author

You only need the author's last name comma year in parentheses.

(Abrams, 2018)

2 Authors

Connect both authors' last names with & (ampersand) comma and the year.

(Wegener & Petty, 1994)

3 or More Authors

If there are 3 or more authors use et al., which means "and others," comma and the year.

(Harris et al., 2018)

4. Group Authors

First time with an abbreviation:

(Centers for Disease Control and Prevention [CDC], 2019)

Then all subsequent citations: (CDC, 2019)

Bibliography/References

Include the complete citation at the end of your paper in a references section. References are organized by the author's last name in alphabetic (A-Z) order. Use a hanging indent to separate each list item.

Basic Format: Author, A. A., & Author, B. B. (Date). Title of the work. *Source where you can retrieve the work*. URL or DOI if available.

I'm citing a...

1. Journal Article

- (a) Author(s). Note: List each author's last name and initial as Author, A. A., Author, B. B., & Author, C. C. Use an ampersand (&) before the final author's name. [Read more from the APA Style website if there are 21 or more authors.](#)
- (b) (Year).
- (c) Title of the article. Note: For works that are part of a greater whole (e.g. articles, chapter), use sentence case. Only the first word of the title and subtitle and proper nouns are capitalized.
- (d) *Title of the Journal*, Note: Italicize and capitalize each word in the journal.
- (e) *Volume* Note: Italicize the journal volume. If there is no issue, include a comma before the page range.
- (f) (Issue), Note: If there is an issue number in addition to a volume number, include it in parentheses.
- (g) Page range. Note: If there is no page range within the journal volume/issue, this can be excluded.
- (h) DOI (Digital Object Identifier)

Ashing-Giwa, K. T., Padilla, G., Tejero, J., Kraemer, J., Wright, K., Coscarelli, A., Clayton, S., Williams, I., & Hills, D. (2004). Understanding the breast cancer experience of women: A qualitative study of African American, Asian American, Latina and Caucasian cancer survivors. *Psycho-Oncology*, 13(6), 408-428. <https://doi.org/10.1002/pon.750>

2. Online News/Magazine Article

- (a) Author(s). Note: List each author's last name and initials as Author, A. A., Author, B. B., & Author, C. C. Use an ampersand (&) before the final author's name.
- (b) (Year, Month Date). Note: You do not need to abbreviate the month.
- (c) Title of the article. Note: For works that are part of a greater whole (e.g. articles, chapter), use sentence case. Only the first word of the title and subtitle and proper nouns are capitalized.
- (d) *Title of the online newspaper or publication*. Note: Capitalize each word in the publication and italicize. If the publication has an associated newly newspaper in print, use the [newspaper article reference example](#).
- (e) URL

Rogers, O. (2021, July 9). Why naming race is necessary to undo racism. *Psychology Today*. <https://www.psychologytoday.com/us/blog/who-am-i-who-are-we/202107/why-naming-race-is-necessary-undo-racism>

3. Book

- (a) Author(s). Note: List each author's last name and initials as Author, A. A., Author, B. B., & Author, C. C. Use an ampersand (&) before the final author's name.
- (b) (Year).
- (c) *Title of the book*. Note: For works that stand alone (e.g. books, reports), italicize the title. Only capitalize the first word of the title and subtitle and any proper nouns.
- (d) (Edition). Note: If there is an edition or volume, include it in parentheses and use abbreviations of ed. or vol.
- (e) Publisher. Note: You do not need to include the publisher location or databases where you retrieved it.

Schmidt, N. A., & Brown, J. M. (2017). *Evidence-based practice for nurses: Appraisal and application of research* (4th ed.). Jones & Bartlett Learning, LLC.

4. Book Chapter with Editor(s)

- (a) Author(s). Note: List each chapter author's last name and initials as Author, A. A., Author, B. B., & Author, C. C. Use an ampersand (&) before the final author's name.
- (b) (Year).
- (c) Title of the chapter. Note: For works that are part of a greater whole (e.g. articles, chapter), use sentence case. Only the first word of the title and subtitle and proper nouns are capitalized.
- (d) In Editor(s), Note: List each editor's last name and initials as A. A. Editor, B. B. Editor, & C. C. Editors, include (Ed.) or (Eds.) in parentheses, and end with a comma.
- (e) *Title of the book* Note: For works that stand alone (e.g. books, reports), italicize the title. Only capitalize the first word of the title and subtitle and any proper nouns.
- (f) (pp.xx-xx).
- (g) Publisher. Note: You do not need to include the publisher location or databases where you retrieved it.

McCormack, B., McCance, T., & Maben, J. (2013). Outcome evaluation in the development of person-centred practice. In B. McCormack, K. Manley, & A. Titchen (Eds.), *Practice development*

in nursing and healthcare (pp. 190-211). John Wiley & Sons.

5. Web Page

- (a) Author(s). Note: List each author's last name and initials as Author, A. A., Author, B. B., & Author, C. C. If there is no author, spell out the name of the organization or site.
- (b) (Year, Month Date). Note: [Read more about date formats from the APA Style website](#). Provide as specific a date as is available. Use the date last updated, but not the date last reviewed or copyright date. If there is no date, use (n.d.).
- (c) Title of page or section. Note: Italicize the title of the page.
- (d) Source. Note: Usually the official name of the website. If the source would be the same as the author, you can omit the source to avoid repetition.
- (e) URL

Centers for Disease Control and Prevention. (n.d.). *Preventing HPV-associated cancers*. <https://www.cdc.gov/cancer/hpv/preventing-hpv-associated-cancers.html/>

6. Online Report

- (a) Author(s). Note: List each author's last name and initials as Author, A. A., Author, B. B., & Author, C. C. If there is no author, spell out the name of the organization that published the report.
- (b) (Year, Month Date). Note: Provide as specific a date as is available.
- (c) *Title of the report or document*. Note: For works that stand alone (e.g. books, reports), italicize the title. Only capitalize the first word of the title and subtitle and any proper nouns.
- (d) Source. Includes the names of parent agencies or other organizations not listed in the group author name here.
- (e) URL

Los Angeles County Department of Public Health. (2017, January). *Key indicators of health by service planning area*. <http://publichealth.lacounty.gov/ha/>

7. Dissertation or Thesis

- (a) Author. Note: List the author's last name and initials as Author, A. A. There is usually only one author for a thesis or dissertation, you don't need to include any faculty advisers.
- (b) (Year, Month Date). Note: Provide as specific a date as is available.
- (c) *Title of the dissertation or thesis* [Doctoral dissertation or Master's thesis, Name of University]. Note: For works that stand alone (e.g. books, dissertations, theses), italicize the title. Only capitalize the first word of the title and subtitle and any proper nouns. The title page will indicate whether it's a Doctoral dissertation or Master's thesis and list the name of the university granting the degree.
- (d) Source. Note: Include the name of the database or institutional repository where you can access the work (e.g. ProQuest Dissertations & Theses Global, PQDT Open, CSU ScholarWorks) here.
- (e) URL Note: If available it's available.

Valentin, E. R. (2019, Summer). *Narcissism predicted by Snapchat selfie sharing, filter usage,*

and editing [Master's thesis, California State University Dominguez Hills]. CSU ScholarWorks. <https://scholarworks.calstate.edu/concern/theses/3197xm925?locale=en>

Citing a letter, photograph, text document, graphic material, or ephemera.

(About APA Citation for Archival Material)

Reference List Basic Format: Author last name, First Initial. (year month day). Title [Description of material]. Name of collection (Collection number or identifier, Box number, Folder number). Name of repository, Location of repository. Retrieved from URL if applicable.

In-text Citation Basic Format: (Author's Last Name(s) or Organization, Year)

I'm citing a...

1. Letter

Reference

Terada, E. A. (1942, August 30). [Letter to Laura Thomas]. James H. Osborne Nisei Collection (SPC.2017.001, Box 1, Folder 3). Gerth Archives and Special Collections, California State University, Dominguez Hills, Carson, CA. <http://digitalcollections.archives.csudh.edu/digital/collection/p16855coll4/id/9951/rec/1>

In-Text Citation

Parenthetical citation: (Terada, 1942)

Narrative citation: Terada (1942)

Note: This letter does not have a title so a description is provided in brackets.

2. Photograph

Reference

Example 1: [Photograph of tradeswomen at a Century Freeway construction site]. Vivian Price Collection (SPC.2008.004). Gerth Archives and Special Collections, California State University, Dominguez Hills, Carson, CA. <https://cdm16855.contentdm.oclc.org/digital/collection/tradeswomen/id/408/rec/6>

Note: This photograph does not have an author or date so those elements are skipped. The citation starts with a description in brackets because this photograph also does not have a title.

In-Text Citation

Parenthetical citation: ([Photograph of tradeswomen at a Century Freeway construction site], undated)

Narrative citation: [Photograph of tradeswomen at a Century Freeway construction site] (undated)

Example 2: Ninomiya Photography Studio. (1950). [Photograph of Yasuko Nishida]. Ninomiya Studio Collection (nino_50-156_01). Gerth Archives and Special Collections, California State University, Dominguez Hills, Carson, CA. <https://cdm16855.contentdm.oclc.org/digital/collection/p16855coll4/id/14111/rec/40>

In-Text Citation

Parenthetical citation: (Ninomiya Photography Studio, 1950)

Narrative citation: Ninomiya Photography Studio (1950)

3. Text Document

Reference

Weatherwax, J. M. *Red Shoes* [typescript]. John M. Weatherwax Collection (SPC.2015.005, Box 2, Folder 5). Gerth Archives and Special Collections, California State University, Dominguez Hills, Carson, CA.

Note: Titles of archival documents are in italics. The use of square brackets here indicates information that is not on the document and describes the material type.

In-Text Citation

Parenthetical citation: (Weatherwax, undated)

Narrative citation: Weatherwax (undated)

4. Graphic Material

Some examples of graphic material can include: cartoons, comics, prints, drawings, and broadsides.

Reference

[Painting of San Diego Presidio ruins]. (1874). Rancho San Pedro Collection (SPC. 1970.002, Box 244, Folder 7). Gerth Archives and Special Collections, California State University, Dominguez Hills, Carson, CA. <http://digitalcollections.archives.csudh.edu/digital/collection/p16855coll3/id/1312/rec/3>

Note: This letter does not have a title so a description is given in brackets. Because this painting does not have an author, the bracketed description moves to the author position of the citation.

In-Text Citation

Parenthetical citation: ([Painting of San Diego Presidio ruins], 1874)

Narrative citation: [Painting of San Diego Presidio ruins] (1874)

5. Ephemera

Some examples of ephemera can include: broadsides, postcards, and posters.

Reference

[Los Angeles Aviation Week postcard]. (ca.1910). 1910 Los Angeles International Aviation Meet Research collection (SPC.1996.001, Box 9, Item 241). Gerth Archives and Special Collections, California State University, Dominguez Hills, Carson, CA. <https://cdm16855.contentdm.oclc.org/digital/collection/p16855coll2/id/2752/rec/8>

Note: This letter does not have a title so a description is given in brackets. Because this painting does not have an author, the bracketed description moves to the author position of the citation. The use of "ca." indicates an estimated date.

In-Text Citation

Parenthetical citation: ([Los Angeles Aviation Week postcard], (ca.1910)

Narrative citation: [Los Angeles Aviation Week postcard] (ca.1910)

Note: For convenience, author can use Reference Manager software such as Mendeley, Zotero, etc.

ANNEXURES

LIST OF PUBLICATIONS

In Journal:

1. First Author Full Name*, and Second Author Full Name, "Eigenvector Centrality of Social Network and Choquet Integral under 2-Additive Fuzzy Measures for Group Decision Making" – **in Revision** with *IEEE Transaction on Computational Social Systems*.
2. First Author Full Name*, "A hybrid weighting method with a new score function for analyzing investment priorities" – **Accepted** in *Computers & Industrial Engineering*.
3. Ashok Singh Bhandari*, Mangey Ram, and Akshay Kumar, "Optimizing reliability in total artificial heart design through redundancy strategies and swarm-inspired optimization" – **Published** in *International Journal of Applied and Computational Mathematics*, 9(6), 130-142, 2023.

DOI: <https://doi.org/10.1007/s40819-023-01604-5>

In Conference Proceeding:

4. First Author Full Name* and Second Author Full Name, "Novel q-Rung Orthopair Fuzzy Hamacher Dual Muirhead Mean Operator for Multi-Attribute Decision-Making" – **Published** in *Frontiers in Industrial and Applied Mathematics*, FIAM 2021, *Springer Proceedings in Mathematics & Statistics*, 410, 87-107, 2023, Springer.

DOI: <https://doi.org/10.1007/978-981-19-7272-0>

In Book:

5. First Author Full Name, Second Author Full Name, and Third Author Full Name*, "Archimedean Averaging Operators with Linear Programming Model for Generalized Orthopair Fuzzy Decision-Making" – **Published** in *Decision Making Under Uncertainty Via Optimization, Modelling, and Analysis, Studies in Systems, Decision and Control*, 558, 45-66, 2025, Springer.

DOI: <https://doi.org/10.1007/978-981-96-0085-4>

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**EFFECT OF MIGRATION FROM THE HILL REGION
OF UTTARAKHAND: CONSEQUENCES AND
REMEDIAL MEASURES**

**Thesis Submitted
To
Shri Guru Ram Rai University
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DOCTOR OF PHILOSOPHY
IN
COMMERCE**

**By
Mrs. Tulika Uniyal
Enrollment No: R180972010**

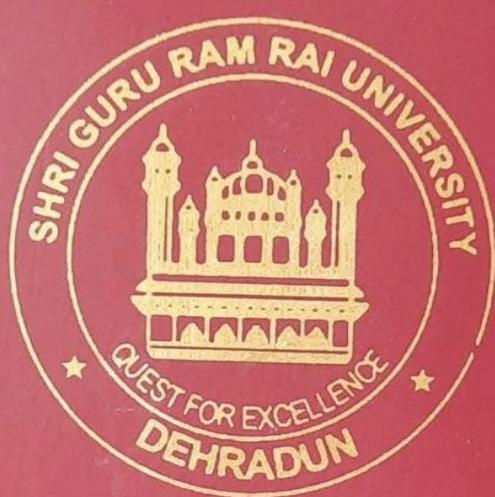


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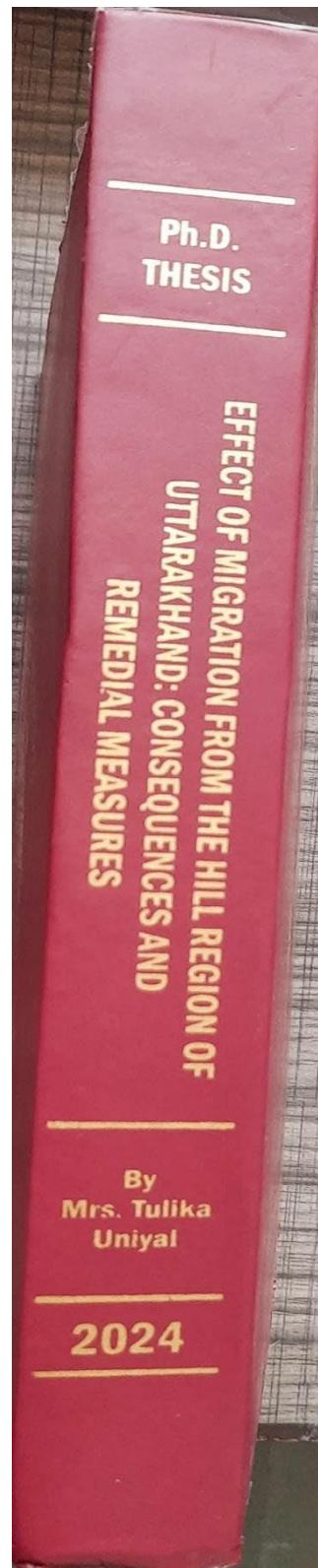
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