



Hindi Vidya Prachar Samiti's

HINDI VIDYA PRACHAR SAMITI'S COLLEGE OF LAW

(Affiliated to University of Mumbai & Recognised by Bar Council of India)

R. J. Collage Premises, Opp. Ghatkopar Railway Station, Ghatkopar (W), Mumbai- 400 086, Maharashtra, INDIA

Tel: + 91 22 25151763 | Fax: 91 22 25 150957 | Website : www.hvpslawcollege.org.in | Email: hvpslawcollege@gmail.com

Ref No.

Date 6/10/2020

Course Title: "Foundations of Research Methodology: Theory and Practice"

Course Description:

This course provides an in-depth exploration of research methods and techniques applicable across various disciplines. Students will learn the fundamentals of research design, research hypothesis, literature review and research process. The course is divided into several modules, each focusing on a different aspect of research methodology. Each module will include lectures, readings, discussions, and practical assignments.

Course Duration: 10 Days (35 Hours)

Mode - Online

Course Outline:

Day- 1:

- A) Introduction to Research Hypotheses**
- What is Hypothesis?
 - Definition and importance of hypotheses in research.
 - Types of hypotheses: null and alternative.
- B) The Role of Hypothesis in the Scientific Method**
- Hypotheses and research questions.
 - Hypotheses versus theories.

Day-2:

- C) Characteristics of a Good Hypothesis**
- Testability and falsifiability.
 - Specificity and clarity.
- D) Formulating a Hypothesis**
- Sources of hypotheses: literature review, theory, and observation.
 - Crafting clear and concise hypotheses.



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Day-3:

E) Overview of Research Design

- Definition and importance of research design.
- The role of research design in the research process.

Day-4:

F) Elements of Research Design

- Identifying research problems.
- Crafting clear and researchable questions.

Day-5:

G) Overview of the Research Process

- Definition and importance of research.
- Steps in the research process.

Day- 6:

H) Case Studies

- Analyzing and discussing real-world examples.
- Group Discussion.

Day-7:

I) Types of Hypotheses

Null and Alternative Hypotheses

- Difference and purposes
- Examples and practice exercises.

Day-8:

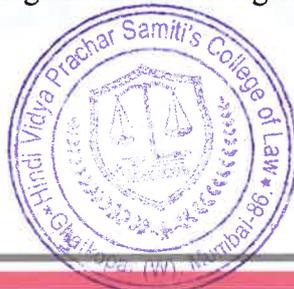
J) Hypothesis Testing

- Basics of Hypothesis Testing.
- Steps in hypothesis testing.

Day-9:

K) Writing the Literature Review

- Structuring literature review.
- Common structures and organizational strategies.
- Developing an outline.



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Day- 10:

L) Searching for Literature

- Sources of literature: databases, journals, books etc.
- Using keywords and search strategies.

Assessments-

The assessment plan for this course aims to evaluate the students' understanding and application of research methodology principles through a variety of assessments. These assessments will help ensure that students gain practical skills and theoretical knowledge necessary for conducting research.

- Assignments- Regular assignments to apply concepts learned in class.

This course outline is designed to provide a comprehensive understanding of research methodology, preparing students for successful research endeavors in their academic and professional career.



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Course Outcome

- 1. Understand Research Fundamentals:** Demonstrate a comprehensive understanding of the fundamental concepts, principles, and theories of research methodology.
- 2. Design Research Projects:** Develop well-structured research proposals, including formulating research questions, hypotheses, and objectives, and selecting appropriate methodologies.
- 3. Apply Research Methods:** Apply qualitative and quantitative research methods effectively, including data collection techniques such as surveys, interviews, experiments, and observations.
- 4. Apply Theoretical Knowledge to Practical Scenarios:** Translate theoretical knowledge into practical applications, demonstrating the ability to conduct independent research projects in real-world contexts.



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