

# Research Methodology

## Research Proposal and Its Outline



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# Content

- What is a Research Proposal (RP)?
- Purpose/Importance of RP?
- Preparation of RP
- Structure of RP

What is a Research Proposal ?

A document presenting  
the brief and sound  
summary of your  
proposed research.

What is a Research Proposal ?

A document that  
provide a detailed  
frame work of the  
proposed program.

## What is a Research Proposal ?

A document that is typically written by a researcher / scientist / academic person while describes the idea for an investigation on a certain topic.

## Purpose of the Research Proposal

It intend to convince  
others that you  
have a worthwhile  
research project.

## Purpose of the Research Proposal

It outlines the process from beginning to end and may be used to request financing for the project as well.

## Purpose of the Research Proposal

**A well thought  
research proposal  
would help a student  
to go through his/her  
research**



# Structure Outline

1. Title
2. Introduction, Background to the Research Problem/Question/Hypothesis
3. Literature review
4. Research Objectives
5. Scope and limitation of study
6. Significance of study
7. Methodology
8. Proposed schedule (Work Plan)
9. References & Bibliography

# Initial Stage of RP Preparation

Generate ideas: *A strong research idea should pass through following tests.*

1. What you want to do?
2. Why you want to do?
3. How you are going to do it?
- 4. When, How and Who will be benefited from research outcomes? Or**

What is the benefit of answering your research question? OR What is the potential impact of the research you are proposing

# Structure of a Research Proposal(RP) ?

- To define what you want to do?
  - Begin with a statement of the problem
- Formulating why you want to do?
  - Gathered Background information and define Objective of Research Work
- To answer how you will do it?
  - Outline the Experimental Design

# Background reading and ask yourself the following:

- Am I familiar with other research that has been conducted in areas related to my research project?
- Do I have a clear understanding of the steps that I will use in conducting my research?
- Do I have the ability to go through each step?

# 1. Title

- It is the first thing that help the reader begin to understand the nature of work, so it should be
  - Focused on Research Area
  - Highlighting main contribution of the research
  - Use the key words
  - Avoid ambiguous words

## 2. Introduction....Conti

**Introduction is the general review of proposed research**

### 1. Motivate yourself and the reader

- For a readers who may be more or less knowledgeable about the topic addressed in the project may be inspired by reading precise “title” and definition or 1<sup>st</sup> paragraph of introduction
- Better is to present your own original and innovative idea/work. Most of our work is builds upon that of others or inspired from others so, It should be properly cited.

# Introduction....Conti

## 2. Formulate Research Problem

- A **research problem** is a definite or clear expression [statement] about an area of concern,

# Define Problem

- **A situation that needs a solution**
- A condition to be improved upon,
- A difficulty to be eliminated, or
- A troubling **question** within existing practice.



# What is a Research Problem

- A situation that needs a solution and for which there are possible solutions.
- If a situation has no possible solutions then it makes little or no sense expending resources researching it.

# Introduction....Conti

## 3. Justification for the research to be conducted

- justification for why this question is important and what answering it would offer in practical .
- A "Perfect" problem statement itself justify your proposed research. However, your research problem or research question is pretty general and therefore an answer can be nothing but general.

# Introduction.... Justification

- **In such case it is suggested that research proposal should outline the topic in detail;**
- **What is the history of the issue?**
- **What research has already been done on it?**
- **What aspects have been neglected up to this point?**
- **Why is it necessary to deal with those questions now?**

## 2. Introduction.....

4. State the relationships between important variables under consideration and how these relationships are important to the hypothesis proposed.
5. Identify the gaps in the existing techniques that would be filled in by the proposed technique.
6. Highlight the novelty of the proposed technique as compared to other existing techniques.

**Thank You**  
**If anyone have question**