

UNIT-2

Technical research paper
writing: Methods & style;
Seminar & Conference paper
writing

What is Technical Research Paper?

A technical paper is a written composition describing, discussing or analyzing a systematic investigation towards increasing the sum of knowledge in a specific field.

It transfers new research and findings to other scientists and researchers

It gives a systematic account of the result of some survey, research, fieldwork and other activities.

Purpose of Technical Paper

Technical paper helps in:

- Transferring technical knowledge
- Presenting it for future growth
- To increase technical knowledge of a specific field

Features of Technical Paper

- It is systematic and objective
- It aims at three things to inform, to instruct and to persuade
- It brings new findings or facts to the knowledge of the people in general
- Highly specialized terms are not used in it
- It is based on style guides

Elements of Technical Paper

1. Title
2. Name of the author
3. Abstract
4. Introduction
5. Methodology
6. Results/ Findings
7. Discussion
8. Conclusion
9. Appendices
10. References/ Bibliography

Steps involved in Technical paper writing

- Define the Problem
- Analyze the Purpose
- Make Literature Survey
- Analyze and organize the information
- Write the First Draft
- Review, Revise and Edit
- Write the Final Draft



Meaning of Seminar

- *Implies a dissemination of knowledge and information among group of people.*
- *One person makes a speech on a topic highlighting its content in light of present problems.*
- *It is a blend of speech & Group Discussion.*
- *Sender with same intellectual level.*
- *Offers to share their views with others.*
- *Whereby participants are benefitted.*



Procedure of Seminar

First of all, a subject matter is selected



People from various organisations are invited to participate in the seminar



To supervise the seminar, a chairman is elected



Chairperson then invites the speakers to present the latest information about the subject/topic



After each speech, chairperson has to summarize it before inviting the next speaker



After all the speakers presented their information, chairperson opens the discussion session by inviting questions and clarifications



Then a report is drafted considering the entire crux of discussion



The Conclusion of discussion is presented at the end and the highlight of entire seminar is presented



Purpose of Seminar

- 1) To promote new ideas in business organizations and universities.***
- 2) To use as an instrument to share information***
- 3) To reach to a healthy group communication about a certain topic.***



Parties involved in Seminar

- 1) *Organizer*
- 2) *Chairperson*
- 3) *Speaker*
- 4) *Audience*



Meaning of Conference

- *The word has been derived from 'Confer' that means 'to consult together', 'Compare opinions'.*
- *A Conference is essentially a gathering or coming together of people of a particular area of interest to exchange information.*

Conference Paper

Conference papers refer to articles that are written with the goal of being accepted to a **conference**: with a specific scope where you can present your results to the community.

The presentation is usually oral along with a ppt, but initially you have to submit either an abstract or an article which is reviewed by the conference organizers to decide whether or not you get a chance to present at the conference. Often, the paper is later published in the conference proceedings for more visibility.



Purpose of Conference

- *To Pool Experiences*
- *To Ask for recommendations*
- *To Review past*
- *Discussion for standards*

Guidelines for Conference Paper

While writing your conference paper the following format can be referred:

Abstract: It is the first section of the paper and summarizes the findings of your research. You can include the main points of your research like the purpose of your research, the methods used, the findings as well as the conclusion of your research in the abstract.

Guidelines for Conference Paper

Overview and problem statement: It provides a brief overview of your research topic and states the problem that you have identified through your preliminary research. You must highlight a gap between the ideal situation and the reality in this section.

Guidelines for Conference Paper

Proposed method: This section must provide brief details about the methods that you have proposed – the assumptions as well as workings that you have carried out. You can make use of facts and figures to make your data appear impressive.

Guidelines for Conference Paper

Experimental data analysis and results: This section contains a brief analysis of the data and the results of your preliminary experiments.

Guidelines for Conference Paper

Conclusion and References: This section includes the conclusion of your research as well as recommendations for further research. You must also mention all the references correctly in this section.

THANK
YOU!

