

TPT1201 Research Methodology

Assignment 2 (40 %)

You may do the assignment individually or in a group of 2 (must be within the same tutorial group).

Select a topic/problem of your interest in the area of computer science (similar to Assignment 1, refer to the area of your respective tutor) and write a research proposal. You may choose to extend the work done in the article that you have summarized for your Assignment 1 or you could start with a new one.

The proposal should be written in the following format.

- 4- 6 pages
- single-column format and prepare using LATEX (choose the document class ‘Article’). You must use at least a 12 point font Times New Roman.

Objective: The objective of this assignment is to provide the student with knowledge of how to write a research proposal.

Tasks:

Write a research proposal which consists the following:

1. Executive Summary of Research Proposal (maximum 300 words)

Please include the problem statement, objectives, research methodology, expected output/outcomes/implication, and significance of output from the research project.

2. Introduction

This section should contain a brief introduction of the topic of research.

3. Justification of Research

This section should contain the justification and the importance of the work.

4. Research Objectives

List out the objectives of the proposed research work.

5. Literature Review

This section should contain a brief report on the works that have been carried out by others on topics related to the proposed research work

6. Research Methodology

This section should contain a brief description about the techniques/strategy to be adopted for carrying out the proposed research work.

7. References/Bibliography

This section should contain references (books, journals, conferences, web sites etc) about the works related to the proposed research topic. Make sure that you have cited all these references in your proposal (i.e in sections 2-6)

Assignment-2: Proposal (four to six pages) (Latex)

(30 Marks)

Please prepare your proposal using LATEX. Your proposal should contain the following sections. It could be in table form or single-column article style of writing.

Title of your research project	
Member of your project	

Executive Summary (5marks)	
Introduction (3 marks)	
Justification of Research (3 marks)	
Research Objectives (3 marks)	
Literature Review (6 marks)	
Research Methodology (8 marks)	
References (2marks)	

Assignment-2: Presentation

(10 Marks)

While preparing ppt for presentation it should be consistent with lecture notes covered in presentation/talk lectures.

Time for presentation allocated for every student: 10 Minutes (presentation) + 5 Minutes (QA).

1. Presentation of research proposal: (7 marks)
 - (a) Executive Summary
 - (b) Introduction
 - (c) Justification of Research
 - (d) Research objectives
 - (e) Literature Review
 - (f) Research Methodology
 - (g) References
2. Shows good understanding (e.g. clear, logical and algorithmic, questions answered well). (1 Mark)
3. Time used well during the presentation: good pace, right level of details given the time limit and audience. Presentation finishes on time. (1 Mark)
4. Presentation appears to be well planned and rehearsed and runs smoothly. (1 Mark)