PhD Guideline

A PhD proposal should be no more than two pages and can cover many aspects of your proposed research. It doesn't have to be a definite plan with clear research goals, it could just circumscribe a research area, or recent research that could be extended. The following twelve aspects can be included in your research plan, and not all are necessary.

1. Introduction

▸ Briefly introduce yourself and provide a personal background related to computer science or relevant disciplines.
▸ Explain your interest in pursuing a PhD and your motivation for joining our program.

2. Research Area of Interest

▸ Identify the general area of computer science that you are most passionate about (e.g., artificial intelligence, machine learning, data science, computer vision, etc.).

3. Application Domain

▸ Indicate the application domain(s) you are interested in (e.g., healthcare, energy, finance, etc.), and explain why you find this area intriguing.

4. Problem Statement

▸ Describe a specific problem or challenge within your chosen research area and application domain that you would like to address during your PhD.

5. Research Objectives

▸ Clearly state the objectives of your proposed research, outlining what you aim to achieve in terms of insights, advancements, or solutions.

6. Methodology

▸ Discuss the methods or approaches you plan to employ to tackle the problem. Mention if your focus will be on theory, experimentation, or a combination of both.

7. Innovation and Contribution

▸ Explain how your proposed research will contribute to the existing body of knowledge in both the chosen computer science area and the application domain.

8. Relevance and Impact

▸ Articulate the potential real-world impact of your research. How might your work benefit society, industry, or academia?

9. Interdisciplinary Aspects

▸ Highlight any interdisciplinary aspects of your proposed research, particularly how your background and interests align with both computer science and the chosen application domain.

10. Motivation and Future Goals

▸ Discuss your personal motivation for pursuing this research and how it aligns with your long-term career goals.

11. Resources and Collaboration

▸ Mention any specific resources, datasets, tools, or collaborations that you foresee being beneficial for your research.

12. References

▸ If applicable, include references to relevant literature that informs your proposal.