

Research Strategic Plan

1-In any Thesis/Paper we have to elaborate the following.

- 1- What is problem ?its importance.
- 2- Why your work? (Motivation).
 - Related Work.
 - Need to extend.
- 3- How is the problem solved .
 - The proposed Technique/Algorithm.
 - Correctness.
 - Exactness.
 - Complexity (Runtime, Memory, Degree of Parallelism).
 - Proof Of Concept
 - Validation (solving the correct problem).
 - Verification (solving the correct problem correctly).By paper and pencil.
- 4- Conclusion (Should answer **SO WHAT**).
- 5- Future Work.

2-The organization of any Thesis.

- 1- Chapter 1: General, Motivation and Scope of Work, Organization of Thesis.
- 2- Chapter 2: Survey & Related Work, need for extensions, scope of work.
- 3- Chapter 3: Proposed Technique.
- 4- Chapter4: Implementation & Testing of the Proposed Technique, POC.
- 5- Chapter 5: Case Study (**MAY NOT BE ALWAYS THERE**).
- 6- Chapter 6: Conclusions & Future Work.

Chapters 2-5: Start with an introduction linking to previous chapter, mention the organization of the current chapter. End with a conclusion, linking to the next chapter. Citations follow IEEE standards.