

### 1.1 Motivation/Purpose/Aims/Hypothesis (10%)

- Motivation:
  - Address the critical role of parallel computing skills in the industry.
  - Recognize the gaps in the current state of parallel computing education.
- Purpose/Aims/Hypothesis:
  - Aim to analyze the current state of parallel computing education.
  - Identify gaps and suggest future directions for improvement.
  - Hypothesize that the integration of innovative teaching methods is crucial for enhancing parallel computing education.

### 1.2 Contribution (10%)

- Contributions:
  - Systematic mapping of 94 selected papers for a comprehensive analysis.
  - Identification of dominant traditional teachings and emerging alternative methods.
  - Discussion on skill outcome measurements and a proposed roadmap for future parallel computing education.

### 1.3 Methodology (20%)

- Methodology:
  - Systematic mapping protocol based on Kitchenham guidelines.
  - Gathering 819 papers, narrowing down to 94 based on specific criteria.
  - In-depth analysis of methods, resources, curricula, and trends.
  - Use of sources like IEEE, ACM, Google Scholar.

### 1.4 Conclusion (10%)

- Conclusion:
  - Acknowledge the dominance of traditional teachings.
  - Highlight the benefits of earlier introductions in concepts and curricula.
  - Emphasize the need for quantitative skill measurements and the limited adoption of promising innovations.

## 2. Limitations (30% : quarter page)

### 2.1 First Limitation/Critique (15%)

- First Limitation:
  - The paper did not search for specific terms related to assessments, simulations, and intelligent systems.
  - Discuss potential gaps in coverage due to this limitation.

## 2.2 Second Limitation/Critique (15%)

- Second Limitation:
  - Limited analysis of quantitative measures of learning outcomes.
  - Highlight the importance of more data on objective learning gained through different approaches.

## 3. Synthesis (20% : quarter page)

### 3.1 Ideas in the Paper and Potential Applications/Future Scopes (20%)

- Synthesis:
  - Explore how the identified teaching innovations can lead to new methods and resources.
  - Discuss the potential applications of enhanced techniques in the industry.
  - Emphasize the paper's role as a roadmap for advancing parallel computing education in both research and practice.

In conclusion, focusing on its motivation, contributions, methodology, and conclusions, this paper provides a concise overview of the paper. Addressing limitations and encouraging further explorations of the potential applications as well as the future scopes are also the goal of this paper.