**Title of the paper**

**(Should be different from your base paper)**

**Abstract:**

* To introduce the area/application - 1 sentence
* General research issues in the area - 1 or 2 sentences
* Which issue is to be addressed in this project? - 1 or 2 sentences
* Why it is an issue? - 1 or 2 sentences
* What are the school of thoughts/existing solutions for the issue under Consideration? - 1 or 2 sentences
* What are the draw backs/ weakness/ limitations of these solutions? - 1 or 2 sentences
* How to overcome these drawback? - 1 or 2 sentences
* Which solution is proposed in this project to overcome the drawback? - 1 sentence
* What will be the proof of concept for the proposed solution? - 1 sentence
* What types of experiments will be conducted and what will be the
* metrics of evaluation of the performance of the proposed solution? - 1 or 2 sentences

Keywords

1. **Introduction (nearly 2pages)**

* **An overview of the topic.** Start with a general overview of your topic. Narrow the overview until you address your paper’s specific subject. Then, mention questions or concerns you had about the case. Note that you will address them in the publication.
* **Prior research.** Your introduction is the place to review other conclusions on your topic. Include both older scholars and modern scholars. This background information shows that you are aware of prior research. It also introduces past findings to those who might not have that expertise.
* **A rationale for your paper.** Explain why your topic needs to be addressed right now. If applicable, connect it to current issues. Additionally, you can show a problem with former theories or reveal a gap in current research. No matter how you do it, a good rationale will interest your readers and demonstrate why they must read the rest of your paper.
* **Describe the methodology you used.** Recount your processes to make your paper more credible. Lay out your goal and the questions you will address. Reveal how you conducted research and describe how you measured results. Moreover, explain why you made key choices.
* **A thesis statement.** Your main introduction should end with a thesis statement. This statement summarizes the ideas that will run through your entire research article. It should be straightforward and clear.
* **An outline.** Introductions often conclude with an outline. Your layout should quickly review what you intend to cover in the following sections. Think of it as a roadmap, guiding your reader to the end of your paper.

1. **Related Work ( 2pages)**

* Existing works (atleast 6 to 8 works – from 2020 to 2022, including your base paper) (will be selected by your mentor)
* Write one paragraph for each of the work along with its limitations
* Summary of these survey ( in tabular form)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm & Year of publication | Objective | Methodology | Input Metrics for making decision | Requirements/Assumptions | Achieved enhancements | | Simulator/  Machine learning concept | Limitations | If any thing |  |
|  |  |  |  |  | |  |  |  |  |  |

* Inference from the Table
* Motivation and contribution of your work

1. **Proposed Methodology (4 pages) (This is for your enhanced/modified base paper work. NOT for the explanation of BASE paper)**

* Introduce ur work ( how ur work is different from other work, advantages of your work)
* System model (if any)
* Step by step procedure
* Detailed algorithm / Flowchart

1. **Simulation and Analysis(3 pages)**

* Simulation Environment
* Simulation metrics
* Performance Analysis

1. **Conclusion & future work ( half page)**

**Reference**