Format of Research Paper Writing

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1 Outline of Paper

<u>**Title**</u> : . . . 10-12 words preferably . . .

<u>**Abstract**</u> : 200-250 words

- Context (1-2 sentences)

- Major Research Gap (1-2 sentences)

- Proposed Technique/Approach (1-3 sentences)

- Contribution/Achievement of the work (2-3 sentences)

<u>**Keywords**</u> : 5-6 Keywords

<u>**Introduction**</u>

<u>**Literature Survey**</u>

<u>**Background/Preliminaries**</u>

<u>**Proposed Methodology**</u>

<u>**Experiment / Experimental Results**</u>

<u>**Conclusions / Analysis and Discussions**</u>

<u>**References**</u>

2   Introduction

Paragraph 1 (Context): Area of research, current trends/ issues/ limitations, challenges to overcome etc

Paragraph 2 (Research Gap): Need of the day, Research gap to fulfill the need, motivation of the work

Paragraph 3 (Scope and Objectives): Scope of work and objectives, What is the objective of this work?

- Objective 1: ...
- Objective 2: ...
- Objective 3: ...

Paragraph 4 (Proposed Approach): Overview of the proposed methodology

Paragraph 5 (Contribution of the work): What is the achievement in terms of new technology/concept/idea/improvement in the result etc

Paragraph 6 (Organization of the paper): Organization of the paper, chapter wise statement

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3   Literature Survey

A brief description of the related work
Summary Table: The existing works at a glance (2 pages)

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4   Background

A brief description of the background/preliminaries of the work. Briefly to the point and precisely (1-2 pages).

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5   Proposed Methodology

- What problems(s) have been addressed in this work?
- Overview of the proposed approach (try to put graphical abstracts)
- Sub-section-wise detail description of the substeps involved.

Take care of the following:

- What is the problem and what is its input
- How have you solved the problem?
- Why have you proposed this solution?

(4-6 pages)

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6 Experiment/Experimental Results/Dataset

- Detail design of experiment/setup/protocols/subjects/data collection/ or a detailed description of the used datasets

- Objectives of the experiment/what do you want to prove/substantiate?

- Experimental Environment, with a link to code/data repository

- Result vis-a-vis experimental objectives with proper tables, graphs, plots, etc

7 Conclusions

- Novelty in this work

- Mentionable achievement/breakthrough

- Research/ application potential

- Claims if under some assumptions

- Future scope or further work

8 References

- Follow a bibliography style

- All recent/relevant papers only

- 20-40 references

9 Research Highlights

Give 4-5 salient points of your research work, each in 10 words.