

# **INTRODUCTION**

## ***Anatomy of a Paper***

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### **Main Parts**

- 1. Abstract**
- 2. Introduction**
- 3. Literature Survey**
- 4. Main Idea**
- 5. Experiments**
- 6. Conclusion**
- 7. References**

# **INTRODUCTION**

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### **Part I – Abstract (One paragraph)**

- 1. Problem tackled**
- 2. Main idea & novelty of our approach**
- 3. Experiment conducted**
- 4. Results obtained**

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### **Part II - Introduction**

- 1. Definition of problem & its place in a hierarchy**
- 2. Previous work done on this problem**  
Sort of Literature Survey  
Maybe discussed from several angles
- 3. Difference of our approach from other people's approaches & key novel ideas of our approach.  
Placement of our technique in a hierarchy.**
- 4. A paragraph on how the rest of the paper is divided**

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### **Part III – Extensive Literature Survey**

- 1. A paragraph for each type of old techniques and their criticism**
- 2. May contain survey of several different topics**

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### **Part IV – Main Idea**

- 1. Detailed development & explanation of the main idea**
- 2. Algorithm and flowchart**
- 3. One sub-section for each novel idea (may contain examples)**
- 4. Sometimes two or more sections may be needed to convey the main idea**

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### **Part V - Experiments**

- 1. Detailed presentation & discussion of metrics of performance measurement**
- 2. Explanation and discussion of data sets (used)**
- 3. List of previous algorithms with which the current approach is compared (basis and reasons for selection of comparison algorithms)**

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### **Part V - Experiments**

- 4. General explanation of experiments and their methodology**
- 5. One sub-section for each experiment (setting of parameters, results in tabular and graphical forms, discussion of results)**
- 6. Sometimes two or more sections may be needed for the experiments**



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### **Part VI - Conclusion**

- 1. Summary of the main idea and results**
- 2. Usefulness of such work**
- 3. Future areas of expansion and some hint of how this algorithm/technique allows such expansions**

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### **Part VII - References**

- 1. Should be extensive, but relevant (30 to 40 are minimum)**
- 2. Should be consistent in form**
- 3. Care should be taken that each reference is actually cited somewhere in the text and vice versa**