



Editorial

Key Elements of Research Paper Writing

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It is my pleasure to write this editorial for Journal of Computer Engineering & Information Technology. The most important thing to remember while writing a research paper is clarity. Always while writing a research paper try to communicate all your facts as simple as possible with maximum clarity. Successful research paper writing is the result of a clear mind asserting a clearly stated problem and producing clearly written conclusions. Clarity should be a key element of any type of research communication may it be research article, review article, case report or a short communication etc. Most research papers are accepted for publication because they contribute new knowledge therefore absolute clarity is needed to convey the idea without any ambiguity. Communicating a research paper for prospective publication is a two-way process. Just as a signal of any kind is useless unless it is perceived, a published scientific paper is useless unless it is both received and understood by its intended audience. Therefore, a research experiment/work is not complete until the results have been published and understood.

Second important key element of research paper is usage of appropriate language. The best usage of English in simple and fewest short words to convey the idea with maximum impact.

Another important element of a good research paper is its organization. It should be highly structured with distinctive and clearly evident sections. The most common sections of a typical research paper are Introduction, Methods, Results, and Discussion (IMRAD). The basic IMRAD order is highly logical that therefore it is the mostly used order for research paper writing. Whether one is writing an article about Computer Science, Information Technology, Robotics or Embedded systems etc. the IMRAD format is often the best choice. Sometimes the organization of a few research papers must be different. If a number of methods were used to achieve directly related results, there may be a requirement to combine the Materials and Methods and the Results into a single 'results and discussions' section. Various types of organization are used for different types of

research papers. To determine how to organize such papers, and which general headings to use, you will need to refer to the Instructions to Authors of your target journal. Therefore, a research paper must be organized in away to report data that is uniform, concise, and readily understandable.

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References and Acknowledgements

I have based this paper on the materials collected from several courses I've attended. It is inspired by many Guidelines for Authors of various journals of SciTechnol. Some of this information is also featured in various tutorials available online. In addition, I have also consulted several web pages while writing this article. I would also like to thank Mr. Amit Saxena and Ms. Deepthi Shinghal for their valuable support, without their help this article would have been impossible to complete.

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Received: September 11, 2017 Accepted: September 12, 2017 Published: September 17, 2017

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