

Instructions to Authors for Paper Submission for DUET Journal

First Author¹, Second Author² and Third Author³

¹First Author Affiliation

²Second Author Affiliation

³Third Author Affiliation

E-mail: corresponding_author@author.com

ABSTRACT

The abstract should concisely summarize the contents of a paper. Since potential readers should be able to make their decision on the personal relevance based on the abstract, the abstract should clearly tell the reader what information he can expect to find in the paper. The most essential issue is the problem statement and the actual contribution of described work. The authors should always keep in mind, that the abstract is the most frequently read part of a paper. It should contain at least 70 and at most 120 words. This document gives formatting instructions for authors preparing papers for publication in DUET Journal. The authors must follow the instructions given in the document for the papers to be published. You can use this document as both an instruction set and as a template into which you can type your own text. Use the word “ABSTRACT” in 10-point Times New Roman, bold face type, centered, uppercase as it is here below one line gap of 10-point of corresponding author’s E-mail address. The body of the abstract is to be in justified text, at the top in single column, 10-point Times New Roman, single-spaced bold type. Leave one blank line after the abstract and then begin the main text.

1. INTRODUCTION

Dhaka University of Engineering & Technology (DUET), Gazipur is one of the reputed universities for the study of Engineering in Bangladesh. The University originated in 1980 as a Faculty of Engineering under the University of Dhaka offering four years Bachelor degree in Civil, Electrical & Electronic and Mechanical Engineering to meet the growing need for advanced engineering education in Bangladesh.

To enhance the research capability of Teachers and Engineers, DUET is publishing DUET Journal in a regular interval.

This document serves two purposes. First it is a template and example for authors who want to submit paper in DUET Journal. Second, the text in the sections contains useful information on structuring and writing your paper. We recommend you to read the following sections carefully in order to avoid common mistakes.

The guidelines include complete description of the font, spacing, and related information for producing your journal manuscripts.

An electronic copy of this instruction can be downloaded from the DUET website (www.duet.ac.bd).

The introduction should consist of three parts. The first part deals with the background of the work and describes the field of research. It should also elaborate on the general problem statement and the relevance. The second part should describe the focus of the paper, typically the paragraph starts with a phrase like “The objective of this paper is ...”. The last part should describe the structure of the paper.

2. FORMATTING YOUR PAPER

The manuscript must be in A4 sized (210 mm × 297 mm) paper. The paper must have a bottom margin of 22 mm and a left and right margin of 16 mm on each page. The first page of the paper should have a top margin of 40 mm and all other pages should have a top margin of 25 mm. The text of the paper must be in two columns format with a gap of 8 mm between the columns. In general, all the text should be in single-spaced, fully justified, 10-point Times New Roman font and there should be one line gap between paragraphs, titles, sections, subsections, etc. Avoid using bit-mapped fonts if possible. True-Type single fonts are preferred. Please note that your paper should normally be limited to 8 (eight) pages.

The title should be 15-point bold in Times New Roman. Leave one blank line of 15-point after the title. The name(s) of the author(s) should appear below the title in 11-point Times New Roman, bold, Title Case as it appears here. Leave one blank line of 10-point after the author(s) name(s) and then start the affiliation(s) after the affiliation(s) give the E-mail address of the corresponding author in a new line of 10-point single-spaced. The title, name(s) of author(s), affiliation(s) and E-mail must be centered in single column.

The section title should be UPPERCASE, middle aligned in 10-point Times New Roman bold type.

2.1 Subsection

The subsection title should be in 10-point Times New Roman, bold, Title Case, left justified.

2.1.1 Sub-subsection

The sub-subsection is discouraged. However, if you use them, use title in 10-point Times New Roman, bold, Title Case, left justified.

2.2 Page Numbering

Please number your pages on the centred in the footer in 10-point Times New Roman font.

2.3 Footnotes

Footnotes (if any) are used at the bottom of the column on the page on which they are referenced. Use 8-point Times New Roman, single-spaced.

2.4 References

The heading of the References section must not be numbered. In the text, number the references in order of appearance in the paper and enclosed the citation number in square brackets (e.g., [1]). When referring to a reference item, please simply use the reference number, as in [2]. Do not use “Ref. [3]” or “Reference [3]”. Multiple references are each numbered with separate brackets (e.g., [2], [3], [4]–[6]). List and number all bibliographical references at the end of the paper in 10-point Times New Roman font, single-spaced, fully justified. IEEE reference style is preferred.

Examples of reference items of different categories shown in the References section include:

- example of a book in [1]
- example of a journal article in [2]
- example of a conference paper in [3]
- example of a patent in [4]
- example of a web page in [5]
- example of a master’s thesis in [6]
- example of a technical report in [7]
- example of a standard in [8]

3. EQUATIONS, TABLES, ILLUSTRATIONS, GRAPHS AND PHOTOGRAHS

All equations, figures and tables should be arranged in your paper as described in this template.

3.1 Equations and Symbols

Equations should be centered and corresponding symbols (if necessary) are described after that, as in Eqn. (1).

$$\phi(r) = \int_v G(r, r') p(r') dV' \quad (1)$$

Where $G(r, r')$ is the green function, which describes the Wave function $\phi(r)$ at the observation point r generated by the unit point source at the source point r' and $p(r')$ is the source density.

3.2 Figures and Tables

All figures and tables should be centered. These must be placed in the paper as part of the text after their first citation. Usually, figures and tables should be in one column (if possible), but large figures and tables may span across both columns. Any table or figure that takes up more than 1 column width must be positioned either at the top or at the bottom of the page. Figures should be in Gray-scale as the journal will be printed in Black & White. If you are using colour and halftone illustrations or photographs they must be such that they are acceptable when printed in Black & White. Black & White, clear, glossy-finish illustrations or photographs are preferable to colour.

All figures must have an underneath caption, and should be kept as concise as possible. Captions must be in 10-point Times New Roman, centered (multi-line captions must be justified) and numbered sequentially. Try to use same typed and sized fonts (e.g., Times New Roman 10-point font) for labeling in you figure as in Fig. 1. Captions with figure numbers must be placed after their associated figures.

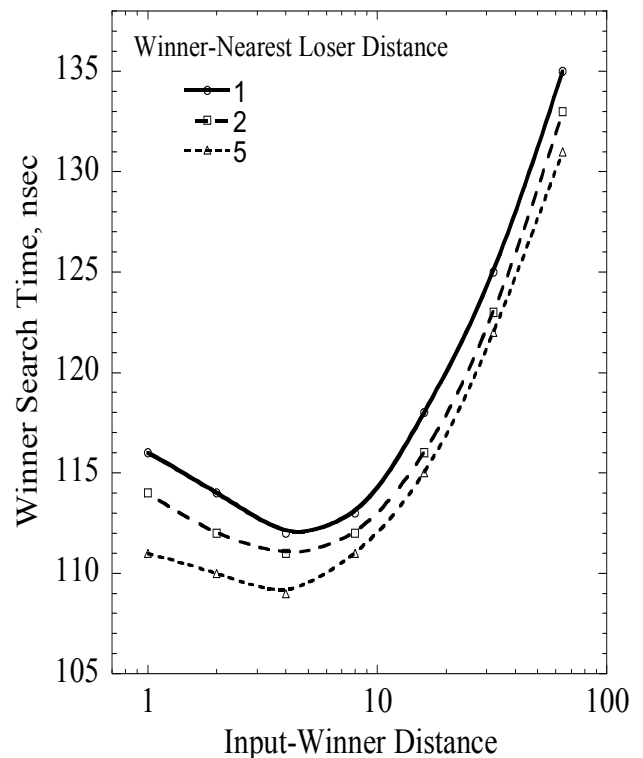


Fig. 1: Winner search time according to the Euclidean distance measure as a function of input-winner distance for different winner-nearest loser distances.

Tables must be numbered using Roman numerals. Captions must be in 10-point Times New Roman, centered (multi-line captions must be justified) and numbered sequentially. Captions with table numbers must be placed before their associated tables, as shown in Table I.

Table I: Layout of manuscript

Paper Size : A4 (210mm x 297mm)	
Top Margin	25mm
Top Margin (for first page only)	40 mm
Bottom Margin	22mm
Left Margin	16mm
Right Margin	16mm
Header from Edge	15mm
Column width	85mm
Column Separation	8mm

4. CONCLUSION

The conclusion should briefly summarize the problem statement and the general content of the work and emphasize on the main contribution of the work. When writing the conclusion keep in mind that some readers may not have gone through the whole paper, but have jumped directly to the conclusion after having read the abstract in order to decide on the personal relevance of the paper. Therefore, the conclusion should be self-contained, which means that a reader should be able to understand the essence of the conclusion without having to read the whole paper. The conclusion typically ends with an outlook that describes possible extensions of the presented approaches and of planned future work.

ACKNOWLEDGMENT

Putting acknowledgement is optional. Don't put any footnote for acknowledgement, rather, put an acknowledgement section just before the Reference section. The heading of the Acknowledgment section and the References section must not be numbered.

REFERENCES

- [1] R. S. Muller and T. I. Kamins, *Devices Electronics for Integrated Circuits*, John Wiley, New York, 1986.
- [2] M. A. Abedin, Y. Tanaka, A. Ahmadi, T. Koide, and H. J. Mattausch, "Mixed Digital-Analog Associative Memory Enabling Fully-Parallel Nearest Euclidean Distance Search," *Japanese Journal of Applied Physics (JJAP)*, Vol. 46, No. 4B, pp. 2231-2237, 2007.
- [3] A. Ahmadi, H. J. Mattausch, M. A. Abedin, T. Koide, Y. Shirakawa and A. Ritonga, "Developing a Reliable Learning Model for Cognitive Classification Tasks Using an Associative Memory," *IEEE Symposium on Computational Intelligence in Image and Signal Processing (CIISP 2007)*, pp. 214-219, 2007.
- [4] M. A. Abedin, T. Koide H. J. Mattausch and Y. Tanaka, "Associative Memory and Searching System Using the Same," *US Patent No. US 7957171 B2*, Date of Patent 07.06.2011.
- [5] M. Shell. (2002) *IEEEtran homepage on CTAN*. [Online]. Available: <http://www.ctan.org/tex-archive/macros/latex/contrib/supported/IEEEtran/>
- [6] A. Quraisi, "Performance of TCP congestion control with rate feedback: TCP/ABR and rate adaptive TCP/IP," *M. Sc. Engg. thesis, Dhaka University of Engineering & Technology (DUET), Gazipur, Bangladesh, Jan. 2010.*
- [7] J. Padhye, V. Firoiu, and D. Towsley, "A stochastic model of TCP Reno congestion avoidance and control," *Univ. of Massachusetts, Amherst, MA, CMPSCI Tech. Rep. 99-02, 1999.*
- [8] *Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specification, IEEE Std. 802.11, 1997.*