1, 2

1

2

|  |  |  |
| --- | --- | --- |
| Article Information |  | **ABSTRACT** |
| Received:  Revised:  Available online: | Authors must supply a structured abstract in their submission, which includes; Purpose, Design/methods/approach, Findings/results, Conclusions. Maximum 250 words in total excluding keywords. |
| Keywords |
|  |
| Correspondence |
| Phone:  E-mail: |

# INTRODUCTION

Introduction provides adequate background or context (problem and its significance) of the study. The subject should not be written extensively. It is expected that rationale or purpose of the study (gap analysis), the objective in general and specific, and hypothesis (if any) should be expressed clearly. Present a clear "state of the art" of the subject, which discussed literature and theoretical concepts behind it. A concise general background may be included in the article. Present at least 5 (five) recent related works to support the novelty of the research.

Categorize the article into one of the following: (1) Research article, (2) Technical article, (3) Concept development, and (4) Case study. Divide your article into several headings: Introduction, Method, Results and Discussion, and Conclusions, References, and Appendices (if necessary). You must follow how headings are written in this template by selecting Heading 1 in the available styles.

Your article must be of 10-15 pages long and is submitted in MS Word format. A maximum of 10 (ten) words must be used as the title of the article. Use IMRaD structure in paper sections.

Authors must guarantee that their article is free from plagiarism. Article that has been submitted or published elsewhere cannot be submitted to JITCE. Please read our policy on the issue.

Use this template by using styles or copy and paste your article to this template. Apply *italics* to words or terminologies in languages other than English.

## Second Level Heading

*Second level heading* must be written boldface and italics using upper and lower cases. You must set your second level heading left aligned.

### Third Level Heading

*Third level heading* follows the style of the *second level heading*. Avoid the use of headings that have more than three levels.

Use reference manager such as Mendeley, Zotero or EndNote in citing works of others. Use the IEEE style. Citations put in the beginning of a sentence are also written using numbers within brackets. JITCE highly recommends the use of Mendeley in preparing references. Mendeley is preferred since it is free to download and use. JITCE also prepared a guidance in using Mendeley as a referencing tool.

# METHOD

Methods section provides sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described. Indicate the participants observed, including demographic data, number of respondents, the rationale of respondents selection, etc. Describe the design of the experiment, such as the experiment procedures, surveys, interviews, observation characteristics, etc. Write the complete research procedure. Be sure that explanations made in the article will allow other researchers reproduce the work, or make future work out of it.

Equations must be presented using consecutive numbers starting with (1). Continue the numbering until the end of the article including appendices. The number must be made inside parenthesis and right aligned. You also need to put spacing before and after an equation.

 (1)

Nomenclature for your equations must be presented after the References section of your article.

# RESULTS AND DISCUSSION

## Write results in logical sequence. Results with important findings should be present first. When presenting results in a table or figure, do not repeat all those contents in the text. Present only the summary of the text. Describe only new and important aspects of the study. Do not repeat all information from results section or any section above. Present limitations of the study. Write the issues that are new or unsolved, for future research. This section consists of the information on What/How the presented data were produced, no raw data should be present in the article. The produced data are presented in tables, or figures with an explanation of what is the result/findings from the work. The section will also need to address connections between findings and basic concepts or hypothesis made earlier. Authors should also express whether any arguments were needed relating to other works from other researchers. Write implications made by the work related to theoretical or applications.

## Tables

Title of a table, must be put above the table. In writing the title of a table, you must capitalize each word. All tables and figures must be consecutively numbered. Figures must be made center-align and left-align for tables.

Table 1. Title of the First Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Get and Place:** | | | |
| **weight** | **conditions** | **Place accuracy** | **Code** |
| ≤ 1 kg | easy | approx. | AA |
| Loose | AB |
| Tight | AC |
| difficult | approx. | AD |
| Loose | AE |
| Tight | AF |
| handful | approx. | AG |
| > 1kg ≤ 8kg | | approx. | AH |
| Loose | AJ |
| Tight | AK |
| > 8 kg ≤ 20kg | | approx. | AL |
| Loose | AM |
| Tight | AN |
| Hand tool: Get, Place and Place a side | | Approx. | HA |
| Loose | HB |
| Tight | HC |

In presenting your tables, please follow Table 1 and Table 2. If the content of a table is from a particular source, mention the source below the table using font with the size of 7.5 pt.

Table 2. Example on How to Present Your Second Table

|  |  |  |
| --- | --- | --- |
| **Column Title** | **Column A (*t*)** | **Column B (*t*)** |
| First row | 1 | 2 |
| Second row | 3 | 4 |
| Next row | 5 | 6 |

Tables should be typed and included in the main body of the article. The position of tables should be inserted in the text as close to the point of reference as possible. Ensure that any superscripts or asterisks are shown next to the relevant items and have corresponding explanations displayed as footnotes to the table, figure or plate.

## Figures

Figures (charts, diagrams, line drawings, web pages/screenshots, and photographic images) should be submitted in electronic form. All Figures should be of high quality, legible and numbered consecutively with Arabic numerals. Graphics may be supplied in colour to facilitate their appearance on the online database. Figures created in MS Word, MS PowerPoint, MS Excel should be supplied in their native formats. Electronic figures created in other applications should be copied from the origination software and pasted into MS Word template document. Photographic images should be inserted in the main body of the article and of high quality. Please follow Figure 1 in preparing pictures. If a figure is from a particular source, you must mention the source. Title of a figure must be put below the figure. Do not put border on the figures.

Gambar 6

Figure 1. Example on How to Put Caption for a Figure

# CONCLUSIONS

The conclusion should be linked to the title and objectives of the study. Do not make statements not adequately supported by your findings. Write the improvements made to industrial engineering field or science in general. Do not make further discussions, repeat the abstract, nor only list the results of research results. Do not use bulleted points, use paragraphed sentences instead.

This template is prepared so that all articles published in JITCE will have a consistent format. Authors must follow this template.

# ACKNOWLEDGMENT

Those who contribute but do not meet all criteria for authorship should not be listed as authors, but they should be acknowledged at the end of the text. Only the names of the persons but not their role should be written under acknowledgement section. Authors must declare all sources of external research funding in their article and a statement to this effect should appear in the Acknowledgements section.

REFERENCES

JITCE prefers articles which refer **mainly to journal articles, research reports, and conference proceedings**, rather than rely heavily on textbooks or handbooks to demonstrate articles' novelty in the subject discussed. The use of Mendeley as a tool in referencing is preferable and encouraged. References should be carefully checked for completeness, accuracy, and consistency. When referring to a reference in the text of the document, put the

number of the reference in square brackets. Eg: [1] .

References must be prepared according to the ***IEEE style*** as the following examples:

DVD

1. I. Holm, Narrator, and J. Fullerton-Smith, Producer, How to Build a Human [DVD]. London: BBC; 2002.

Sound Recording

1. D. Fisher, Writer, and T. Baker, Presenter, Doctor Who and the Creature From the Pit [Sound recording]. Bath, UK: BBC Audiobooks, 2009.

Video Recording

1. C. Rogers, Writer and Director, Grrls in IT [Videorecording]. Bendigo, Vic. : Video Education Australasia, 1999.

YouTube/Vimeo Video

1. NRK. "Medieval helpdesk with English subtitles," YouTube, Feb. 26, 2007 [Video file]. Available: http://www.youtube.com/watch?v=pQHX-SjgQvQ. [Accessed: Jan. 28, 2014].

Chapter or Article in Edited Book

1. A. Rezi and M. Allam, "Techniques in array processing by means of transformations, " in Control and Dynamic Systems, Vol. 69, Multidemsional Systems, C. T. Leondes, Ed. San Diego: Academic Press, 1995, pp. 133-180.

Book: Single Author

1. W.-K. Chen, Linear Networks and Systems. Belmont, CA: Wadsworth, 1993, pp. 123-135

Book: Two or More Authors

1. U. J. Gelinas, Jr., S. G. Sutton, and J. Fedorowicz, Business Processes and Information Technology. Cincinnati: South-Western/Thomson Learning, 2004.

Book: Organisation as Author

1. World Bank, Information and Communication Technologies: A World Bank group strategy. Washington, DC: World Bank, 2002.

Book: Government Agency as Author

1. Australia. Attorney-Generals Department., Digital Agenda Review, 4 Vols. Canberra: Attorney- General's Department, 2003.

Book: No Author

1. The Oxford Dictionary of Computing, 5th ed. Oxford: Oxford University Press, 2003.

Book: Editor

1. D. Sarunyagate, Ed., Lasers. New York: McGraw-Hill, 1996.

Book: Different Editions

1. K. Schwalbe, Information Technology Project Management, 3rd ed. Boston: Course Technology, 2004.

Scientific/Technical Report

1. K. E. Elliott and C.M. Greene, "A local adaptive protocol," Argonne National Laboratory, Argonne, France, Tech. Rep. 916-1010-BB, 1997.

Conference Paper in Print

1. L. Liu and H. Miao, "A specification based approach to testing polymorphic attributes," in Formal Methods and Software Engineering: Proc. of the 6th Int. Conf. on Formal Engineering Methods, ICFEM 2004, Seattle, WA, USA, November 8-12, 2004, J. Davies, W. Schulte, M. Barnett, Eds. Berlin: Springer, 2004. pp. 306-19.

Conference Paper from the Internet

1. J. Lach, "SBFS: Steganography based file system," in Proc. of the 2008 1st Int. Conf. on Information Technology, IT 2008, 19-21 May 2008, Gdansk, Poland [Online]. Available: IEEE Xplore, http://www.ieee.org. [Accessed: 10 Sept. 2010].

Conference Proceedings

1. T. J. van Weert and R. K. Munro, Eds., Informatics and the Digital Society: Social, ethical and cognitive issues: IFIP TC3/WG3.1&3.2 Open Conf.e on Social, Ethical and Cognitive Issues of Informatics and ICT, July 22-26, 2002, Dortmund, Germany. Boston: Kluwer Academic, 2003.

E-book

1. L. Bass, P. Clements, and R. Kazman, Software Architecture in Practice, 2nd ed. Reading, MA: Addison Wesley, 2003. [Online] Available: Safari e-book.

Chapter from an E-book

1. D. Kawecki, "Fuel preparation," in Combustion Engineering Issues for Solid Fuel Systems, B.G. Miller and D.A. Tillman, Eds. Boston, MA: Academic Press, 2008, 199-240. [Online] Available: Referex.

Article from an Electronic Encyclopaedia

1. G. S. Thompson and M. P. Harmer, "Nanoscale ceramic composites," in Encyclopedia of Materials: Science and Technology, K. H. J. Buschow, R. W. Cahn, M. C. Flemings, B. Ilschner, E.J. Kramer, S. Mahajan, and P. Veyssière, Eds. Amsterdam: Elsevier, 2001, pp. 5927-5930. [Online]. Available: ScienceDirect.

Journal Article from a Full Text Database

1. H. Ayasso and A. Mohammad-Djafari, "Joint NDT Image Restoration and Segmentation Using Gauss–Markov–Potts Prior Models and Variational Bayesian Computation," IEEE Transactions on Image Processing, vol. 19, no. 9, pp. 2265-77, 2010. [Online]. Available: IEEE Xplore, http://www.ieee.org. [Accessed Sept. 10, 2010].

Journal Article from the Internet

1. P. H. C. Eilers and J. J. Goeman, "Enhancing scatterplots with smoothed densities," Bioinformatics, vol. 20, no. 5, pp. 623-628, March 2004. [Online]. Available: www.oxfordjournals.org. [Accessed Sept. 18, 2004].

Electronic Document

1. European Telecommunications Standards Institute, “Digital Video Broadcasting (DVB): Implementation guidelines for DVB terrestrial services; transmission aspects,” European Telecommunications Standards Institute, ETSI TR-101-190, 1997. [Online]. Available: http://www.etsi.org. [Accessed: Aug. 17, 1998].

Government Publication

1. Australia. Department of of Education, Employment and Workplace Relations, Survey on Changes in Awareness and Understanding of Science, Engineering and Technology: Report on findings. Canberra: The Department; 2008. [Online]. Available: http://www.dest.gov.au/NR/rdonlyres/241263CF-8585-4EEC-B104-C947C6C18029/23713/SurveyonChangesinawarenessunderstandingofSET.pdf. [Accessed: Sept. 7, 2010].

Whole Internet Site

1. J. Geralds, "Sega Ends Production of Dreamcast," vnunet.com, para. 2, Jan. 31, 2001. [Online]. Available: http://nl1.vnunet.com/news/1116995. [Accessed: Sept. 12, 2004].

Journal Article in Print: Abbreviated titles

1. G. Liu, K. Y. Lee, and H. F. Jordan, "TDM and TWDM de Bruijn networks and shufflenets for optical communications," IEEE Trans. Comp., vol. 46, pp. 695-701, June 1997.

Journal Article in Print: Full titles

1. J. R. Beveridge and E. M. Riseman, "How easy is matching 2D line models using local search?" IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 19, pp. 564-579, June 1997.

Unpublished Thesis

1. M. W. Dixon, "Application of neural networks to solve the routing problem in communication networks," Ph.D. dissertation, Murdoch Univ., Murdoch, WA, Australia, 1999.

Published Thesis

1. M. Lehmann, Data Access in Workflow Management Systems. Berlin: Aka, 2006.

Thesis from a Full Text Database

1. F. Sudweeks, Development and Leadership in Computer-Mediated Collaborative Groups. PhD [Dissertation]. Murdoch, WA: Murdoch Univ., 2007. [Online]. Available: Australasian Digital Theses Program.

NOMENCLATURE

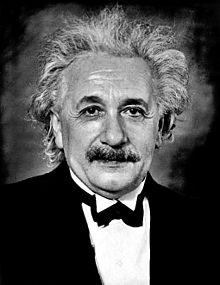
Meaning of symbols used in the equations and other symbols presented in your article must be presented in this section.

 meaning of 

E meaning of E

Jc meaning of Jc

AUTHOR(S) BIOGRAPHY

**Author(s) Name**

Author’s biography must be short and concise (100 words maximum) and a photograph may be included. Height of the photograph cannot be more than 2.5 cm and the width is set accordingly.

APPENDICES

Only materials supporting your article can be considered for appendices. Appendices must be presented after Authors Biography. Appendices cannot be more than 4 pages. If your appendices have tables, figures or equations, number them in sequence.