

## Title of the Paper



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### Keywords: –

5 keywords to identify the major topics. Arrange the words in alphabetical order with each on a single line.

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### ABSTRACT

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## 1. INTRODUCTION

Zaria Journal of Electrical Engineering Technology (ZJEET), a publication of Department of Electrical Engineering, Ahmadu Bello University, Zaria – Nigeria publishes articles in the field of Electrical Engineering bi-annually. The journal is aimed at disseminating recent advances in Electrical Engineering and related fields to researchers, engineers and associated readers. ZJEET publishes original research articles based on theoretical and experimental findings as well as reviews. The journal encourages collaborative research among key players in academic world and industry to bridge the gap between theories and practical.

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## 2. PAGE FORMATING

For easier formatting of the manuscript and conformity with ZJEET specification requirement, it is recommended that this document as template is strictly complied.

### 2.1 Page layout

The size of the papers must be in A4 (210 x 297 mm). Margins must be 25mm from top, 20mm from bottom, 18mm from both left and right. Except for the title and abstract section of the paper, the page-width figures and tables, the main text must be in double columns, 1.15 point line spaced. The number of pages must not exceed 10, every additional page attract an additional fee of ₦2,0000 only.

There should be no author information when the first submission of the manuscript. After peer-review process, the accepted manuscripts should include author information by writing only initial letters of the first names and whole letters of the surnames in capital letters as indicated in this template. Affiliations of the authors must be given in order of appearance and each individual affiliation must be given in a separate row together with the e-mails of the authors. If there are

more than one author who have the same affiliation, their e-mail addresses should be given in order of their names.

### 2.1.1 Titles

The main title of the paper should be written in English using *Baskerville Old Face*, bold font type. The size of the title should be 14 point and centered. In the title, the initial letter of the keywords should be capitalized. Conjunction and interjections words like “and”, “using”, “of”, “with”, etc should be in lower case..

### 2.1.2 Headings

All headings should be written in Times New Roman font and left-indented. Level-1 headings (like 1., 2., 3., etc) must be bold, 11-point, and all capitalized. In Level-2 headings (like 1.1, 1.2, 2.3 etc), only the initial letter of the first word should be capitalized, all the other letters should be written in lowercase. Level-3 headings (like 1.1.1, 1.2.4, 2.3.2 etc) should be like Level-2 headings but in italics. Level-4 headings (like 1.1.1.3, 1.2.4.2, 2.3.2.4 etc) must be in the same format as Level-3 headings but not bold. No headings should be used further than Level-4.

### 2.1.3 Abbreviations

The use of abbreviations in both paper title and the other titles should be avoided as much as possible. Define all the terms and put the abbreviations in parenthesis.

## 2.2 Other components

Other components of the paper like the pagination styles, hyperlinks, equation numbering, tables and figures should adhere to ZJEET standard.

### 2.2.1 Equations

Each equation should be written in a separate row and be enumerated. All equations should be written in MS-Word® 2007 and further releases equation editor or similar compatible software packages. As an example, Equation (1) is given below.

$$\omega_m = \frac{V_a}{k\phi_f} - \frac{R_a}{(k\phi_f)^2} T_L \quad ()$$

The equations which cannot be fitted into a single row can be expressed in more than one row. When necessary, an equation can be given within the main text as long as it is shorter than a single row. Equation editor can also be used in the writing of the equations or the variables used in the equations within the main text. Numbers and their related units used in the text should be in the same line. As the decimal separator in the decimal numbers, a point instead of a comma should be used (e.g. 0.52 instead of 0,52 should be used). If the thousands separator is to be used, point should not be used. Comma or space can be used (e.g. 1,000,000 or 1 000 000 or 1000000).

### 2.2.2 Figures

All figures should be centered in the column, but if a figure is large to the extent that it covers double column, then it should be centered according to the page. Figure captions must be below the figures as illustrated in Fig. 1.

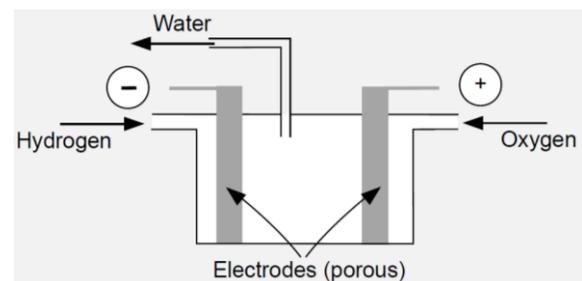


Fig. 1. Hydrogen-oxygen fuel cell

Figures in drawing or graphic format should be inserted in the appropriate place of the text after being drawn in an image editing or graphic program and saved as image file with a resolution of at least 300 dpi.

### 2.2.3 Tables

An example table is given in Table 1. Depending on the purpose of use, other types of tables can also be used

in the text. Caption of the table should be given above the table.

Table 1. An example table

Table Head	Table Column Head		
	Table column subhead	Subhead	Subhead
Content	More table copy <sup>a</sup>	X	Y

If a table is wider than a single column it should be placed at the top or bottom of the page (e.g. Table 2). Texts in the table should be written in Times New Romans font and 9 pt. If necessary, the size of the text in the table can be reduced to 7 pt. Equation editor should also be used in the writing of the equations or the variables used in the equations within the table.

All citations to the tables, figures and equations in the text must be expressed as in the template (ambiguous phrases such as “in below figure/table/equation”

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### 2.2.4 Hyperlinks

Hyperlinks can be used in the paper. Hyperlinks can be utilized as the links (documents, audio, multi-media etc.) that provide more information about the related topic. Font type of a hyperlink must be same as that of the main text but it should be underlined.

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Page numbers should not be inserted into the paper. Headers and footers should not be used in the paper. The template should be maintained as it is. Such arrangements are to be made at the ZJEET editorial office.

Table 1. An example table.

Table Head	Table Column Head				
	Table column subhead	Subhead	Subhead	Subhead	Subhead
Content	More table copy <sup>a</sup>	ABC1	ABC2	ABC3	ABC4
Content	More table copy <sup>a</sup>	ABC1	ABC2	ABC3	ABC4

## 2.3 Citations

Citations in the text should be given using IEEE styles with numbers in square brackets. The list of references should be given at the end of the paper in order of their first appearance in the text. Use individual sets of square brackets for citation numbers that appear together. For instance, use the expression [1], [2], [7] cites the 1<sup>st</sup>, 2<sup>nd</sup> and 7<sup>th</sup> references. Likewise, the expression [3]-[9] cites all the references from 3 to 9. In this context, the section of references should be arranged as given in reference section. In the Section, [1], [2] correspond to peer reviewed journal papers, [3], [4] books, [5] section in book, [6], [7] conference, symposium or congress proceedings, [8] theses/dissertation, [9] report, and [10] internet hyperlinks. A style that is defined in the style gallery of this template by name “Reference” should be used while writing the References section.

More detailed information about writing the references is given in Appendix B.

## 2.4 Other spelling rules

- There should not be a space between % sign and number in percentage numbers. While the percentage (%) sign is written after the number in English sections (for example 83%).
- The figure (or the table) and its caption should be placed in the same column or page.
- Avoid combining SI and CGS units, such as current in amperes and magnetic field in oersteds. This often leads to confusion because equations do not balance dimensionally. If you must use mixed units, clearly state the units for each quantity that you use in an equation.
- Do not mix complete spellings and abbreviations of units: “Wb/m<sup>2</sup>” or “webers per square meter.”

not “webers/m<sup>2</sup>.” Spell units when they appear in text: “...a few henries,” not “...a few H.

### 3. CONCLUSION

In the conclusion Section, summarize the main findings, technique applied and the significance of the study. To promote research in the field, it is recommended that the author clearly states the limitations of the study and suggest some further studies. The Editorial Board of ZJEET expresses gratitude to all authors in anticipation, for preparing their papers in conformity with this template.

### 4. ACKNOWLEDGEMENT

Authors can use this section to acknowledge institutions, persons, project grants and others who in one way or the other contribute toward the success of the study. It is optional though. However, this section is only included when preparing the final copy of the manuscript. To ensure blind review compliance, this section should be left blank during the first submission of the manuscript.

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