



Place Your Paper Title Here

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Abstract:

Place your abstract here. Limit your abstract to 300 words. It is highly encouraged to follow the IMRaD+ structure, presenting the study in a clear and systematic manner. The **Introduction** outlines the background, motivation, and research objectives. The **Methods** section details the procedures, materials, and analytical approaches used to ensure reproducibility. The **Results** section reports the key findings with supporting data, tables, and figures. The **Discussion** interprets these results, compares them with existing literature, and highlights their implications. Finally, the **Conclusion and Recommendations** summarize the contributions of the study and suggest directions for future work. This structured approach ensures clarity, transparency, and accessibility for readers across engineering and applied sciences.

Keywords: keyword 1, keyword 2, keyword 3, ...

1. Introduction

In this section, explain why the study was conducted. Begins with the broad context, identify the gap in current knowledge, and narrow down to the specific research question or objective. The introduction should be concise, setting the stage for the methods and results that follow.

2. Methods

In this section, describe how the study was carried out. Includes details of the design, materials, participants, procedures, and analytical techniques. The key principle is reproducibility, i.e., another researcher should be able to replicate the study based on this description.

2.1 Research Design

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus eget fringilla magna. Integer mauris ligula, dapibus vitae ullamcorper sit amet, feugiat sed velit. Aenean euismod purus elementum, sodales elit in, sagittis magna. Pellentesque sit amet laoreet libero. Fusce lacus lectus, dictum non lorem non, tincidunt gravida lectus. Nunc ultricies faucibus mi vel semper. Ut vehicula euismod purus ut tincidunt. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Ut ornare ante ut est blandit, et iaculis justo sollicitudin. Nullam sollicitudin, justo non tempor pretium, justo urna semper lectus, in feugiat elit tortor eu mi. Curabitur sollicitudin tortor quis sem venenatis ullamcorper. Aliquam pharetra magna magna, eget egestas mauris malesuada vel.

2.2 Experimental Setup

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3. Results

In this section, present the findings of the study without interpretation. Use data, tables, and figures to report outcomes clearly and systematically. The results should highlight the primary findings first, followed by secondary observations.

4. Discussion

In this section, interpret the results and explain their significance. Restates the key findings, compares them with previous studies, and discuss limitations and implications. The discussion broadens out to show how the study contributes to the larger field of knowledge.

5. Conclusion

In this section, provide a concise summary of the study's main findings. Restates the objectives, highlight the key results, and emphasize the contribution of the work to the field. The conclusion should not introduce any new data but should clearly state what has been learned and why it matters.

6. Recommendations

In this section, suggest practical applications of the findings and outline directions for future research. Recommendations may include improvements to methods, potential industrial or societal uses, or areas where further investigation is needed. The goal is to guide readers, practitioners, and researchers on how the results can be applied or extended.

7. Some LaTeX Stuff

7.1 Template Structure

This $\LaTeX$ template resides on a folder with the following files/folder:

article.tex The main $\LaTeX$ source file of this document (article.pdf). Working Example on using the template with some description.

pagenum.tex Contains the code for starting page number which will be edited during final compilation.

JIE.cls $\LaTeX$ class file for managing the styles and formats of the document. Prohibited to edit.

refs.bib File for placing the bibliography data in BibTeX format.

Graphics Folder for keeping all the final graphics files (.jpg, .png, etc.) used in the document.

Some additional temporary files will be generated during the compilation process including a pdf.

7.2 Submission

Before submitting the paper, the source file must be compiled without any error. The files that need to be submitted are:

- article.pdf
 - Compiled using the `blindreview` option in `\documentclass` (used for blind review)
 - Compiled without the `blindreview` option in `\documentclass` (used for editorial purpose)
- A zipped file containing the following latex source files:
 - article.tex
 - pagenum.tex
 - refs.bib
 - JIE.cls
 - Graphics folder

7.3 Changing Paragraphs

To change paragraph, leave a blank line between two paragraphs.

To place a linebreak like this one, use double back slashes (`\\`) as in this example.

7.4 Sections

$\LaTeX$ articles can have section headings upto 3 levels via the following commands:

- `\section{...}`
- `\subsection{...}`
- `\subsubsection{...}`

You can use their starred variants given below to suppress section numbering which has been demonstrated in the *Acknowledgments* section.

- `\section*{...}`
- `\subsection*{...}`
- `\subsubsection*{...}`

7.5 Mathematical Content

$\LaTeX$ has very rich features for typesetting mathematics. Please refer to $\LaTeX$ and AMSmath manuals or online resources for further information. The following is just a simple example.

The area of a proper triangle with sides a , b , and c is given by:

$$\Delta = \sqrt{S(S-a)(S-b)(S-c)} \quad (1)$$

where, S is the semi-perimeter of the triangle given by:

$$S = \frac{a+b+c}{2}$$

7.6 Figures and Tables



Figure 1: Place the caption of the figure here

Table 1: Table Caption goes here

Heading 1	Heading 2	Heading 3
R1C1	R1C2	R1C3
R2C1	R2C2	R2C3

Use `[H]` instead of `[h]` to forcefully place a figure at the desired location. Otherwise the latex engine will decide the best position automatically

Using `\begin{figure*} ... \end{figure*}` or `\begin{table*} ... \end{table*}` makes the figure or table take up the entire width of the page. However, the figure always comes at the top of the page, so it may appear on the next available page.

Here are a few online tools to generate latex code for tabular data:

- <https://tablesgenerator.com/>
- <https://www.latex-tables.com/>

7.7 Referencing

The list of references should be produced using BibTeX. The BibTeX entries should be placed in the "refs.bib" file. Please refer BibTeX manuals or online resources on creating bibliography databases using BibTeX and citation. You can easily create bibliography database files using the GUIs like TeXMaker, JabRef, or Zotero. You can even search for BibTeX entries for a majority of publications at Google Scholar in the following url:

<http://scholar.google.com>

This is a citation for a book [1].

This is a citation for a journal article [2].

This is a citation for an article in conference proceeding [3].

This is a citation for a technical manual [4].

This is a citation for a PhD Thesis [5].

This is a citation for a Masters' Thesis [6].

This is a citation for an online content [7].

This is an example of multiple citations at one place [2, 3].

7.8 Cross Referencing

This is how you do a cross reference to a figure or a table. The logo of Tribhuvan University is shown in Figure 1. Likewise, some dummy data has been shown in Table 1.

7.9 Bulleted List

- First Item
- Second Item
- Third Item

7.10 Numbered Lists

7.10.1 Default numbering

1. First Item
2. Second Item

7.10.2 Roman numbering

- i) First Item
- ii) Second Item

7.10.3 Alphabetical numbering

- a) First Item
- b) Second Item

8. Compilation

Since, this template contains citations and cross referencing along with reference list generated via BibTeX, the $\LaTeX$ source file should be processed four times in the following sequence to generate the final pdf output.

1. PDFLatex
2. BibTeX
3. PDFLatex
4. PDFLatex

9. Getting the $\LaTeX$ Software

There are two major standard distributions of $\LaTeX$:

- TeXLive
<https://www.tug.org/texlive/>
- MikTeX
<https://miktex.org/>

These are freely downloadable from the internet. TeXLive works in all the major PC platforms like Windows, Unix, Linux, and Mac. Whereas, MikTeX is for Windows only. When you install these, you also get the TeXWorks editor as your frontend. More than a dozen other frontend GUIs are available for $\LaTeX$. Some of these are:

- TeXMaker
<http://www.xmlmath.net/texmaker/>
- TeXnic Center
<http://www.texniccenter.org/>

If you do not want to install latex software on your machine, you can also use online tools like:

<http://www.overleaf.com>.

Acknowledgements

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Conflict of Interest

The authors declare no conflict of interest.

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