

Research article/ Review article [Select one]

Research Title [The first letter should be capitalized, followed by others in small letters except for nouns]

Author^{a*}, Author^b,, and Author^x

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^bAuthor affiliation, Department/Faculty/Unit, Organization/Institution, City, Country

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ARTICLE INFO	Abstract
<i>Article history:</i>	The manuscript should be written entirely in Times New Roman, with a font size of 12 points and single-line spacing throughout. The abstract must be concise, limited to a maximum of 250 words, and summarize the key objectives, methods, results, and conclusions of the study in a clear, precise manner. The “Journal of Innovation in Engineering Education (JIEE)” is an open-access, peer-reviewed journal in various engineering disciplines. The journal aims to provide an important platform for scientific discussions related to engineering and technology amongst national and international researchers. It seeks to publish original research papers of scientific quality to provide archival resources for researchers from all engineering backgrounds. The journal considers articles in the form of research articles, review articles, and short commentaries. It is published annually by the Institute of Engineering, Thapathali Campus.
<i>Keywords:</i>	
First Keyword Second Keyword Third Keyword Fourth Keyword Fifth Keyword [5 keywords]	

1. Introduction

Research articles (max. 5000 words, 16 pages) should present original, high-quality research with novel findings, clear methodology, detailed analysis, and well-supported results that contribute new knowledge to the field, while review articles (max. 7000 words, 20 pages) should provide a comprehensive, critical overview of a research area, synthesizing existing literature to highlight current developments, emerging trends, research gaps, and potential future directions.

The article should be organized into clearly numbered sections, with main sections (1, 2, 3...), subsections (1.1, 1.2...), and sub-subsections (1.1.1, 1.1.2...) following a consistent hierarchical format to ensure clarity and logical flow. The abstract, acknowledgements, author contribution, conflict of interest, data availability, and references should not be included in the section numbering.

The manuscript must be thoroughly checked before submission, as mentioned in the checklist provided in the last section of this guideline. Submission implies the work is original, not under consideration elsewhere, and approved by all authors and relevant authorities. Accepted work will not be published elsewhere without consent. Authors should use inclusive, unbiased language that respects diversity and avoids assumptions or stereotypes related to age, gender, race, ethnicity, culture, sexual orientation, disability, or health. Gender-neutral terms and relevant signifiers only should be used.

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The Introduction section should present the study’s background, review of the latest past research as possible, identification of the problem and research gap, and clearly state the objectives of the research. It should also highlight the limitations and novelty of the research covered.

Follow the citation style of IEEE as provided herewith as examples.

There are 7 bachelor's programs and 3 Master's programs running currently at the Institute of Engineering, Thapathali Campus [1].

A device using water to generate power is known as a water turbine [2].

Bifacial PV performance in Kathmandu shows gains from 10% to 36% as albedo increases, highlighting the benefits of reflective ground cover and optimized array design, using a flexible Python-based framework [3].

2. Research Methodology

In this section, the author should clearly describe the research methodology covered, including the study design, data collection methods, experimental or analytical procedures, and any tools or techniques used. The explanation should be detailed enough to allow replication, while remaining concise and focused on the key steps of the investigation.

3. Materials and Methods [Design/computation/ Data collection/generation/Experiment]

This section should provide a detailed description of all materials, equipment, and methods used in the study. It should include information on the experimental setup, sample preparation, measurement techniques, data collection procedures, and analytical or computational methods. The description should be precise enough to allow other researchers to replicate the study, while maintaining clarity and conciseness.

Images inserted in the manuscript should have the aspect ratio locked to maintain proper proportions. Captions should be added using the “Insert Caption” feature to ensure consistent formatting. Furthermore, every image included in the document should be properly cross-referenced within the text, like herewith, **Figure 1**.

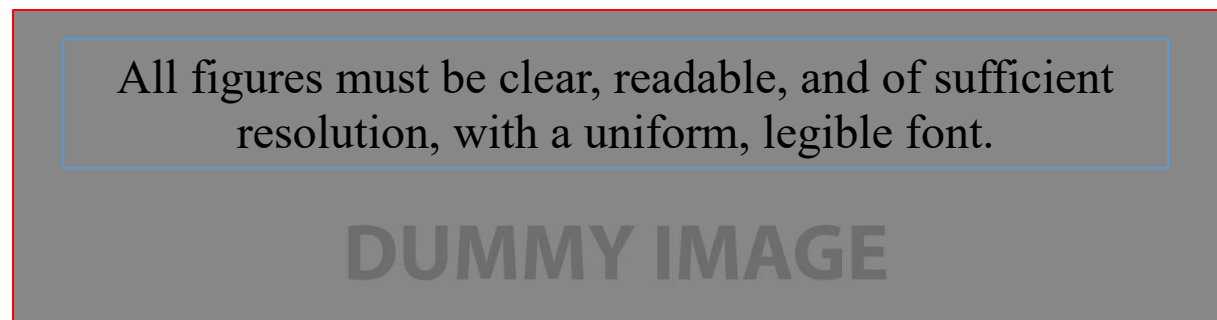


Figure 1: Dummy image.

Tables should be submitted as editable text rather than as images to ensure proper formatting and accessibility. They should be numbered consecutively in the order of their appearance in the text, and any explanatory notes should be placed below the table body. The use of tables should be limited to situations where they add clarity and value, and the data presented should not duplicate results already described elsewhere in the manuscript. Vertical rules and shading within table cells should be avoided to maintain a clean and consistent presentation format as shown in **Table 1**.

Each table should have a clear and descriptive caption. The caption should consist of a brief title (not placed within the table itself) along with a concise description explaining the content of the table. Text within the table should be kept to a minimum, and all symbols, abbreviations,

or notations used should be clearly explained either in the table notes or immediately below the table.

Table 1: Table for reference

Header	Header	Header
X	E	L
Y	F	M
Z	G	N
A	H	O
B	I	P
C	J	Q
D	K	R

Mathematical formulas and equations should be inserted using the “Insert Equation” feature of Microsoft Word to ensure proper formatting, consistency, and compatibility. Equations should not be added as images or plain text and should follow a clear and standard mathematical presentation throughout the manuscript. Equation numbers should be inserted using the “Insert Caption” feature in Microsoft Word to ensure consistent formatting. Each equation should also be properly cross-referenced in the text, allowing readers to easily locate and refer to the corresponding equation, as shown in the example **Equation (1)**.

$$I = \int_0^{\pi} \sin(x) \cos(x) dx \quad (1)$$

All graphs should include a legend and clearly labeled axes, use a uniform font consistent with the manuscript, have the background grid turned on, maintain proper aspect ratio, and be provided in an editable format.

4. Results and Discussion

This section should present the findings of the study clearly and systematically as needed. Data should be analyzed and interpreted to highlight trends, relationships, and significant outcomes. Comparisons with previous studies or theoretical expectations should be included where relevant, and any variances or unexpected results should be addressed. The discussion should explain the implications of the findings and their contribution to the field.

5. Conclusion

The conclusion should concisely summarize the key findings in relation to the research objective and their significance. It should emphasize the contribution of the research to the field, highlight practical or theoretical implications, and suggest potential directions for future work.

Acknowledgements

Acknowledgements should be collated in a separate section at the end of the article after the conclusion section. This section should list individuals or organizations who provided support during the research, such as assistance with language, writing, proofreading, or other contributions that aided in the preparation of the article. Funding sources should be listed in a standardized format to ensure compliance with funders’ requirements. For example, a proper statement would be: “*This work was supported by the University Grants Commission, Nepal [Grant number].*” If no funding was provided for the research, the following sentence should

be included instead: “*This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.*”

Author contributions

For transparency, authors are encouraged to submit an author statement file detailing their individual contributions to the paper using the relevant roles. Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Writing – original draft; and Writing – review & editing.

Conflict of interest

A conflict-of-interest statement should be included to disclose any financial, personal, or professional relationships that could influence the research or its interpretation. For example: “*The authors declare that they have no conflict of interest.*” If any conflicts exist, they should be clearly described to maintain transparency and integrity in the publication.

Data Availability

The data supporting the findings of this study are available on request.

References

References should be managed in IEEE style using standard reference management tools such as Mendeley, Zotero, EndNote, or similar software. This ensures consistent formatting, easy citation, and proper organization of all sources cited in the manuscript.

- [1] Institute of Engineering, Thapathali Campus, "Institute Evolution". [Online]. Available: <https://tcioe.edu.np/about/mission-vision>. [Accessed: Feb. 12, 2026].
- [2] R. K. Bansal, *A Textbook of Fluid Mechanics and Hydraulic Machines*, 9th ed. New Delhi, India: Laxmi Publications (P) Ltd, 2010.
- [3] D. B. Raut and B. Kumar, “Modeling bifacial PV performance under variable Albedo using Python: A case study of the Himalayan foothills, Kathmandu,” *J. Innov. Eng. Educ.*, vol. 8, no. 1, pp. 117–126, Dec. 2025, doi: 10.3126/jiee.v8i1.86583.

Checklist for submission of manuscript

Ensure all the items mentioned below are included.

- a) The order of the authors has been confirmed, and one author has been designated as the corresponding author.
- b) The corresponding author’s e-mail address is provided.
- c) Manuscript includes keywords.
- d) The numbering of subsections and sub-subsections has been verified.
- e) All figures are included with relevant captions, and tables are included with titles, descriptions, and footnotes (If any).
- f) All figure, table, and equation cross-references in the text match the referred figure, table, and equation with the number in sequence.
- g) The manuscript has been spell-checked, grammar-checked, and plagiarism checked.
- h) All references in the Reference List are cited in the text and vice versa with IEEE style.
- i) Permission has been obtained for copyrighted material from other sources.
- j) Acknowledgement with funding statement is included.
- k) Authors contribution, competing interest and data availability statement are provided.
- l) Journal policies detailed in the guidelines have been reviewed.