

International Journal of Research in Engineering Technology and Applications (IJRETA)

IN ENGINEERING | TECHNOLOGY | APPLICATIONS

A Peer Reviewed , Open Access Journal

***Volume: 1, Issue: 1
January, 2026***

www.ijreta.org

International Journal of Research in Engineering Technology and Applications (IJRETA)TM

ISSN (Print): [To be allotted] | ISSN (Online): [To be allotted]

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Volume : 1, Issue:1

January,2026

Publishers:

FORTUNETREE TECHNORIDER PRIVATE LIMITED

**#7, Adde Vishwanathapura Main Road,
Near Neha HP gas, Rajanukunte, Yelahanka,
Bangalore, India -560064**

Website: <https://www.ijreta.org> | Email: editor@ijreta.org

International Journal of Research in Engineering Technology and Applications (IJRETA)TM



JOURNAL PARTICULARS

Title of the Journal	: International Journal of Research in Engineering Technology and Applications (IJRETA)
E-ISSN	: XXXX-XXXX
P-ISSN	: XXXX-XXXX
Publisher Name	: Fortunetree Technorider Private Limited
Address of Publisher	: # 07, Adde Vishwanathapura Main Road, Near Neha HP gas, Rajanukunte, Yelahanka, Bangalore, Karnataka, India, 560064
Frequency of Publication	: Quarterly (January, April, July, October)
Format of publication Medium	: Online and Print (Both)
Starting year	: 2026
Language(s) of Publication	: English
Discipline/Subject Area	: Engineering
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Whether Peer Reviewed	: Yes

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Vision:

The vision of the *International Journal of Research in Engineering Technology and Applications (IJRETA)* is to:

- **Lead in Innovation:** Become a global leader in disseminating pioneering research in engineering, technology, and their interdisciplinary applications.
- **Bridge Academia and Industry:** Foster a seamless connection between theoretical advancements and practical applications, driving transformative innovation.
- **Support Sustainable Development:** Promote research that contributes to sustainable, inclusive, and technology-driven global growth.
- **Inspire Research Excellence:** Encourage high-quality, impactful research that addresses current and future challenges in science, engineering, and technology.

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The mission of *International Journal of Research in Engineering Technology and Applications (IJRETA)* is to:

- **Promote Multidisciplinary Research:** Provide a platform for the integration of diverse engineering and technological disciplines to address complex global challenges.
- **Facilitate Innovation and Application:** Encourage research that bridges theoretical concepts with real-world applications, advancing both academic and practical knowledge.
- **Facilitate Global Collaboration:** Connect researchers, academicians, and industry professionals from across the world to share ideas, innovations, and insights.
- **Support Open Exchange of Ideas:** Foster collaboration by publishing high-quality, peer-reviewed articles that are accessible to a global audience.
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- **Enhance Practical Impact:** Highlight research that provides tangible solutions to real-world challenges, driving technological progress and societal development.
- **Enable Global Reach:** Expand the boundaries of knowledge dissemination by reaching researchers, educators, and practitioners across the world, particularly in developing and underserved regions.

By staying committed to its mission and vision, IJRETA aims to create a significant impact in the academic and professional engineering community worldwide.

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The **International Journal of Research in Engineering Technology and Applications (IJRETA)** is a peer-reviewed, multidisciplinary platform dedicated to advancing research and innovation across diverse domains of engineering, technology, and their real-world applications. IJRETA seeks to bridge the gap between theoretical research and practical implementation, fostering collaboration among academia, industry, and policy-making communities.

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- **Computer Science and Engineering:** Artificial Intelligence, Machine Learning, Cloud Computing, Data Science, Internet of Things (IoT), Blockchain, Cybersecurity, Software Engineering, and Computational Theory.
- **Electrical and Electronics Engineering:** Embedded Systems, VLSI Design, Robotics, Power Systems, Renewable Energy Technologies, and Communication Systems.
- **Interdisciplinary Technologies:** Biotechnology applications in engineering, Smart Cities, Healthcare Technologies, and the Management of Technological Systems.

The journal particularly encourages papers that explore innovative applications of engineering and technology in addressing global challenges and societal needs.

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IJRETA serves a diverse readership, including:

- **Academicians and Researchers:** Scholars and educators pursuing advancements in engineering and technology.
- **Industry Professionals:** Engineers, technologists, and innovators applying research outcomes in industrial and societal contexts.
- **Policy Makers and Strategists:** Professionals involved in shaping technology-driven policies and sustainable development frameworks.
- **Graduate and Postgraduate Students:** Emerging researchers seeking inspiration and foundational understanding through contemporary studies and applications.

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