



Department of Electrical and Electronics Engineering

organizes

International Conference on

**Advances in Renewable Energy & Electric Vehicles
(AREEV-2027)**

**30th & 31st July,
2027**

Institute Address:



Nitte, Karkala Taluk, Udipi District, Karnataka 574110

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About Nitte (Deemed to be University)

Established under the aegis of the Nitte Education Trust, founded in 1979 by the visionary statesman Late Justice K. S. Hegde, former Judge of the Supreme Court of India and Speaker of the Lok Sabha, Nitte (Deemed to be University) has evolved into one of India's leading multidisciplinary institutions. Guided by the mission of empowering society through quality education, research, innovation, and healthcare, the University has made significant contributions to higher education over the past four decades.

The University offers a total of 160+ programs, in the disciplines of medicine, allied health sciences, dentistry, pharmacy, nursing, physiotherapy, speech and audiology, biological sciences, media & communication and Architecture. It has 27,000 students, 5,500+ faculty and 1 lakh alumni.

Recognized nationally and internationally for its commitment to quality education, the University was awarded A+ Grade by NAAC (2021). It has consistently been ranked among the Top 100 Universities in India in the National Institutional Ranking Framework (NIRF) and is placed in the 401-450 Rank Band in the QS Asia University Rankings. The University has also been conferred the prestigious QS I-GAUGE Diamond Rating, reflecting excellence in teaching, employability, research, facilities, governance, and innovation.

The constituent institutions of the University continue to achieve national recognition in their respective domains. Several programmes are accredited by the National Board of Accreditation (NBA), while the University's healthcare institutions are accredited by NABH and NABL, reaffirming their commitment to quality standards in education, research, and patient care.

With world-class infrastructure, a vibrant research ecosystem, strong industry collaborations, international partnerships, and a focus on innovation and entrepreneurship, Nitte (Deemed to be University) continues to nurture competent professionals, researcher, and leaders dedicated to addressing global challenges and contributing to sustainable societal development.

About NMAM Institute of Technology, Nitte

Established in 1986, Nitte Mahalinga Adyanthaya Memorial Institute of Technology (NMAMIT), Nitte, is a premier engineering institution recognized by the All India Council for Technical Education (AICTE), New Delhi, and has been a constituent college of Nitte (Deemed to be University) since June 2022. Renowned for its academic excellence, industry engagement and research ecosystem, NMAMIT has consistently emerged as one of India's leading technical institutions.

The Institute has been placed in the 151–200 Rank Band in the National Institutional Ranking Framework (NIRF) 2025 by the Ministry of Education, Government of India. It has also been recognized under the 'Platinum' Category in the AICTE-CII Survey of Industry-Linked Technical Institutes, reflecting its strong industry collaborations, innovation ecosystem, and focus on employability.

NMAMIT offers 14 undergraduate engineering programs in emerging and core disciplines, including Artificial Intelligence & Machine Learning, Artificial Intelligence & Data Science, Biotechnology, Civil Engineering, Computer & Communication Engineering, Computer Science & Engineering, Computer Science (Cyber Security), Electrical & Electronics Engineering, Electronics & Communication Engineering, Electronics (VLSI Design & Technology), Electronics & Communication Engineering (Advanced Communication Technology), Information Science & Engineering, Mechanical Engineering, and Robotics & Artificial Intelligence. The Institute also offers postgraduate programs (M.Tech.) in Computer Science & Engineering, Cyber Security, Mechatronics, Structural Engineering, and VLSI Design & Embedded Systems, along with the Master of Computer Applications (MCA) program. Several undergraduate programmes are accredited by the National Board of Accreditation (NBA) under the Tier-I category, underscoring the Institute's commitment to quality technical education.

NMAMIT provides a vibrant academic environment supported by state-of-the-art laboratories, advanced research centres, innovation and incubation facilities, industry-sponsored laboratories, and interdisciplinary research initiatives. The Institute actively collaborates with leading industries, research organizations, and international universities to promote collaborative research, student exchange, internships, entrepreneurship and technology development.

Nestled amidst the picturesque Western Ghats, NMAMIT is located on a 125-acre eco-friendly campus at Nitte, offering an ideal setting for academic pursuits and research. The campus combines modern infrastructure with a serene natural environment and is well connected by road, rail and air. Mangaluru International Airport is approximately 45 km away, while the nearest railway stations are Udupi (40 km) and Mangaluru (50 km). Nitte is conveniently located 19 km from NH-66, connecting Kochi and Mumbai and 7 km from NH-169, connecting Mangaluru and Solapur.

With a strong emphasis on innovation, interdisciplinary research, industry partnerships, and global engagement, NMAMIT continues to nurture competent engineers, researchers, entrepreneur, and leaders equipped to address the technological challenges of the future.

About the Department

The Department of Electrical & Electronics Engineering, established in 1987, offers an undergraduate program i.e B.Tech in Electrical & Electronics Engineering with an intake of 120. The Department has well-qualified, passionate, dedicated faculty members and has a well-connected alumni network. With the state-of-the art Laboratory in Power Electronics, Control Systems, Power Systems, Computers, High Voltage & Relay, which caters to the needs of all the Electrical & Electronics Engineering students. With an excellent rapport and MoU with industries, the Department organizes seminars, conferences and workshops on a regular basis to cope up with the recent trends in the technological field.

About the Conference

"Advances in Renewable Energy & Electric Vehicles" (AREEV-2027), a two-day international conference, will be held on 30 and 31 July 2027. The Conference dedicates to driving innovation in every aspect of Electrical and Electronics Engineering by facilitating a platform for researchers, professionals, executives and practicing engineers from various research & educational institutes and industries to exchange their ideas on the Conference's theme. A series of keynote presentations, technical papers and poster presentations are planned to discuss emerging trends & feasible solutions to shape and enable the development of mankind.

Theme of the Conference

Advances in Renewable Energy and Electric Vehicles pave a pathway and pose challenges in developing efficient and reliable power electronics solutions for the operation of power systems. The Conference's objective is to provide a platform for people working in Electrical & Electronics and interdisciplinary research to share their expertise and knowledge on technical innovations

Thrust Areas:

Topics of interest include all aspects of Power Systems, Power Electronics & Drives, Renewable Energy, E-Mobility & Modern integrated circuit design but not limited to:

Computing Technologies for Sustainable Energy and Power Systems

- Power System Operation and Planning
- Power System Protection and Power Quality
- Power System Stability, Dynamics and Control
- Renewable Energy
- High Voltage Engineering
- Micro/ Smart Grid Architecture & Integration
- FACTS Controllers & HVDC Systems
- Optimization of Renewable Energy and Techno-Economic Analysis
- Energy Storage and Management

Power Electronics and Machine Drives

- Converters & Inverters
- Power Devices, Components and Magnetic Materials
- Modelling, Control, Stability, Drivers, Emi/Emc, and Protection
- Advanced Topology Efficiency and Reliability
- Thermal Management in Electronic Devices

Modern Integrated Circuit Design and Asynchronous Digital Systems

- VLSI and Soc Applications
- ASIC Designs
- EDA, Design Automation and Microelectronics
- Automation in Robotic Applications
- Sensors and MEMS in Robotic and Healthcare Applications

E-Mobility & Transportation

- | | |
|--|------------------------------------|
| • EV Storage Systems and Charging Infrastructure | • Vehicle-to-Vehicle Communication |
| • Power Electronics for Electric Vehicles Standardization and Interoperability | • V2G and G2V Technologies |
| • Battery Management System | • Sensors & Actuators for EV |
| • ADAS and Autonomous Vehicle Technology | • Thermal Management |
| • Embedded System for EV | |
| • Hydrogen and Fuel Cell Technologies | |

Invited Speakers

Eminent researchers, academicians and industrialists will be delivering keynote addresses on topics pertaining to four major themes of the conference. The list of keynote speakers and related details would be displayed in the website.

Participants

Academicians, researchers, students from engineering institutions and professionals from R&D labs and industry.

Conference Proceedings & Publications

All accepted and presented papers will be submitted for possible inclusion in IEEE XPLORE Digital Library.

Conference Website - <https://nitte.edu.in/nmamit/AREEV2027.php>

Registration and Paper Submission Guidelines & Link

- Kindly note that AREEV - 2027 will follow a "double-blind" review process. Papers are reviewed on the basis that they do not contain plagiarized material and have not been submitted to any other conference / Journal at the same time (double submission). Kindly follow these links for more details: [IEEE Policy on Plagiarism](#) and [IEEE Policy on Double Submission](#). The authors of accepted papers will need to sign an IEEE Copyright form and present their paper at the conference.
- The "Accepted and presented papers" of AREEV – 2027 will be submitted for possible publication in the IEEE Xplore® Digital Library, hence the manuscript must strictly adhere to the standard IEEE two column. The manuscript must strictly adhere to the standard IEEE two column format and must not be more than 6 pages.
- Typesetting instructions and sample templates: [IEEE Manuscript Templates for Conference Proceedings](#).
- Paper submission via email is not permitted. The papers submitted via email will be rejected without review.
- All submissions (PDF format) can be submitted through the Microsoft CMT Conference Management System Website
- Papers not presented at the Conference will not be included in the Final Proceedings and will not be submitted to IEEE Xplore® Digital Library as per IEEE no-show policy.
- At least one of the authors of every accepted paper must pay the Author Registration fees and present the paper during the Conference.
- Authors claiming subsidized registration fees under the category of IEEE Author/IEEE Student Author must produce valid IEEE membership card
- Student attendees/authors must produce their "Institute ID Cards" for registering under the category of Student Author/Attendee
- Only authors from India are allowed to pay the registration fee in Indian rupees Authors have to complete the registration process before uploading the camera ready paper and e-copyright form as per the given final dates

Patron

Sri. Vishal Hegde

Chancellor, Nitte (Deemed to be University) & President, Nitte Education Trust, Mangaluru

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Accommodation Committee

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Important Dates

Submission of Full-length manuscript – Open : **05 December 2026**
Last date to Submit Full-length manuscript : **05 March 2027**
Notification of acceptance : **30 April 2027**
Submission of camera-ready manuscript opens : **01 May 2027**
Last date to submit camera-ready manuscripts : **20 May 2027**
Last date for registration : **30 May 2027**
Conference Dates : **30-31 July 2027**

Registration Fees

Registration Type	Indian Author	Foreign Author
Regular Author (Industry)	INR 12000	USD 300
Regular Author (Academia)	INR 11000	USD 250
IEEE Author (Industry)	INR 11500	USD 240
IEEE Author(Academia)	INR 10000	USD 200
Student Author	INR 7500	USD 150
IEEE Student Author	INR 6000	USD 100
Non-IEEE Student/ Regular Attendee	INR 3000	USD 150
IEEE Regular Attendee	INR 1000	USD 100
IEEE Student Attendee	INR 750	USD 50

Nitte Deemed to be University	
Name Of the Account	Nitte Deemed to be University
Account No	02452200025592
Name and Address of the Bank	Canara Bank, ABSMIDS Branch, Deralakatte
IFSC Code	CNRB0010245
MICR Code	575015123
Email	cb10245@canarabank.com
NDU GST No	29AABTN0060A1Z5
NDU PAN	AABTN0060A



Registration link: <https://forms.gle/W5ewRPJ64JNEivBf7>
NOTE: Delegates must mention their NAME and AREEV-2027 without fail during online payment. The proof of online transfer (UTR No., date & time, Scanned copy) needs to be uploaded in the registration portal.

Conference Location

Nitte is a picturesque village in the Udupi district of Karnataka, nestled amidst the lush greenery of the Western Ghats. Known for its educational excellence through Nitte (Deemed to be University), the village provides a serene environment and easy access to several cultural, religious, and coastal attractions. Nearby places of interest include

Tourist Attraction	Approx. Distance from Nitte	Highlights
Karkala Bahubali Statue	18 km	Majestic 42-ft monolithic Jain statue atop a hill
Chaturmukha Basadi, Karkala	20 km	Unique four-faced Jain temple built in granite
Sri Durgaparameshwari Temple, Kateel	30 km	Famous riverside temple dedicated to Goddess Durga Parameshwari
Kaup Lighthouse & Beach	35 km	Historic lighthouse with panoramic views of the Arabian Sea
Udupi Sri Krishna Temple	42 km	One of India's most revered temples dedicated to Lord Krishna



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