

CHIEF PATRON

Dr. Vivek B. Kamat,
Director, Directorate of Technical Education,
Government of Goa

PATRON

Dr. M. S. Krupashankara,
Principal, Goa College of Engineering

CONFERENCE CHAIR

Prof. V. N. Shet, Professor E&E Dept, GEC Goa.

CONFERENCE CO-CHAIR

Prof. G. R. Kunkolienker,
Professor & Head E&E Dept, GEC Goa.

CONVENOR

Prof. Anant J. Naik,
Professor E&E Dept, GEC Goa.

CO-CONVENOR

Mr. Jayesh Priolkar,
Assoc. Professor E&E Dept, GEC Goa.

ORGANIZING SECRETARY

Dr. Sangeeta Mahaddalkar,
Assoc. Professor E&E Dept, GEC Goa.

FINANCE COMMITTEE

Prof. Nilesh B. Fal Dessai
Professor & Head, IT Dept, GEC Goa

Dr. Suneeta Raykar,
Assoc. Professor E&E Dept, GEC Goa.

TECHNICAL CHAIR

Prof. J. A. Laxminarayan
Professor & Head, Computer Dept, GEC Goa

Dr. Samarth Borkar,
Assoc. Professor E&E Dept, GEC Goa.

PUBLICITY & PUBLISHING

Dr. Naraina Avudayappan
Assoc. Professor E&E Dept, GEC Goa.

Ms. Sneha Phadate
Asst. Professor E&E Dept, GEC Goa.

HOSPITALITY & LOGISTICS

Prof. H. G. Virani, GEC Goa
Professor & Head, E&TC Dept, GEC Goa

Mr. Nilesh W. S. Borkar,
Assoc. Professor E&E Dept, GEC Goa.

ADVISORY & TECHNICAL PROGRAMME COMMITTEE

Prof. V. P. Sundersingh, IITB
Prof. Udayakumar, IISc Bangalore
Prof. Udaykumar Yaragatti, NITK
Dr. P. V. Rajgopal, BHEL Hyderabad
Prof. S. V. Bonde, SGGSI&T, Nanded
Prof. A. B. Raju, KLE Tech Hubballi
Dr. Sreeraj E. S., NIT Goa
Dr. Vyjayanti C., NIT Goa
Dr. Vijay A. S., IIT Indore
Dr. S. N. Deepa, NIT Arunachal Pradesh
Prof. Rajesh B. Lohani, GEC Goa
Prof. Suraj Rane GEC Goa
Prof. K. G. Guptha, GEC Goa
Prof. Purnanand Savoikar, GEC Goa
Prof. Ulhas Sawaikar, GEC Goa
Prof. Nitesh B. Guinde, GEC Goa.
Shri. A. U. Bapat, GEC Goa.
Dr. Aisha Fernandes, GEC Goa.

ORGANIZING COMMITTEE

Dr. Sonali Pandit
Ms. Aditi Desai
Ms. Ankita Kanekar

KEYNOTE SPEAKERS/ TECHNICAL EXPERTS

Keynote lectures shall be delivered by experts from IIT/NIT and research organizations.

IMPORTANT DATES

Paper Submission Opening date: March 20, 2023
Paper Submission Closure date: ~~May 10, 2023~~ extended July 30 2023
Notification of Acceptance: ~~May 15, 2023~~ extended Aug 02, 2023
Camera Ready Submission: ~~May 17, 2023~~ extended Aug 05, 2023
Registration: May 18, 2023
Dates of Conference: Aug 10-11, 2023

Paper to be submitted at gecnc2023@gec.ac.in

ACCOMMODATION

Limited accommodation will be provided to the participants on a first come first serve basis at a nominal cost, subject to the availability at the Institute Hostels /guest house.
Please visit the conference website for more details

www.gec.ac.in/gecnc2023

TECHNICAL CORRESPONDENCE

Dr. Anant J. Naik
Mr. Noah Dias
gecnc2023@gec.ac.in
+91-9850466424

NCAECCME

10th & 11th Aug 2023

National Conference on Advances in Electrical, Computer, Communication & Mechatronics Engineering 2023



Jointly organized by:

Department of Electrical & Electronics Engineering,
Department of Electronics & Telecommunication
Department of Computer Engineering and
Department of Information Technology,

Goa College of Engineering

Bhauasaheb Bhandodkar Technical Education
Complex Farmagudi, Ponda, Goa 403401
www.gec.ac.in



ABOUT THE COLLEGE

Goa College of Engineering (abbreviated and colloquially referred to as GEC) is the only Government Engineering College in Goa, India, offering engineering disciplines and is affiliated to Goa University. It is situated at Farmagudi plateau, Ponda, and is the oldest engineering college in Goa, with over 2,200 students. The college started in 1967 with undergraduate Mechanical, Civil and Electrical Engineering courses. The Electronics and Telecommunication course was introduced in 1982, Computer Science in 1988, Information Technology in 2001 and Mining in 2011. It currently has eight master's programs, The college is recognized as a Ph.D. Research Centre of Goa University. The GEC campus also accommodates the National Institute of Technology Goa (NITG) and the Indian Institute of Technology Goa (IITG). All U.G. programs are accredited by the National Board of Accreditation (NBA).

ABOUT THE E&E ENGINEERING DEPARTMENT

The Electrical & Electronics Engineering Department was established in the year 1967. It is approved by AICTE, affiliated with Goa University & NBA accredited. The Department offers a full-fledged Under-Graduate program in E&E Engineering and Minor Degree in Electric Vehicles. It offers Post Graduate Programs in Power and Energy Systems Engineering. It is recognized as a Ph.D. research center since 2014. Well-equipped facilities in Machine, Power Electronics, Control Engineering, Embedded systems, and Power & Energy Simulation Laboratory. The Department has well-qualified, experienced, and dedicated faculty with active research involvement.

The department has a strong industry linkage with various reputed companies and offers Placements, Internships, and apprenticeships to the students. Our alumni have served and are serving in senior positions in Central and State Governments. Our alumni have represented the country in sports and have won the laurels

CALL FOR PAPER

Original unpublished research papers preferably based on themes and sub-themes that address various issues to increase awareness of technological innovations and related disciplines are invited. The general themes and sub-themes of papers are listed below (not limited to):

ELECTRICAL ENGINEERING AND RENEWABLE SYSTEMS

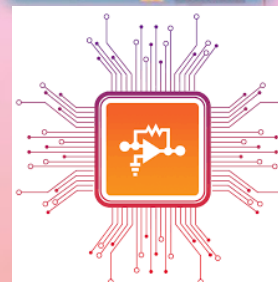
Wireless Power Transfer and Electric Vehicles
Environmental Protection and Alternative Energy
High Voltage Engineering and Insulation Technology
Renewable Power Conversion Technologies
Power Electronics application in Power Systems
Distributed Generation, Energy Storage and Smart Grid
Motor Drives and Electrical Machines
Green Buildings and ECBC Standards
Control and Mechatronics
Power Quality and Power Systems

INTELLIGENT COMPUTING

Artificial Intelligence & Machine Learning
Cloud Computing & Cluster Computing
Cryptography & Cybernetics
Network Protection and Control
Neural Network and Fuzzy Computation
Evolutionary Algorithms
AI-Driven Network Architecture
Intelligent and Hybrid System
Internet of Things

COMMUNICATION SYSTEM

Wireless & Network Communications
Ad-hoc and Sensor networks
Remote Sensing and GPS
RF and Microwave Communication
Information and Its Technical Education
Signal, Image, and Video Processing
Underwater Information Processing
5G Technologies
VLSI, MEMS and Nanoelectronics
Robotics and Mechatronics



All questions about submissions should be emailed to gecnc2023@gec.ac.in with an assigned paper ID number.

NCAEECE-2023

This conference will provide a platform for academicians, researchers, scientists, professionals and students to share their knowledge and expertise in the field of Electrical Engineering and renewable systems, Intelligent Computing, and Communication and shall address various issues to increase awareness of technological innovations and to identify challenges and opportunities for the development multidisciplinary research techniques. The aim of this conference is to present a unified platform for advanced and multi-disciplinary research toward the design of smart computing and information processing. The theme on a broader front focuses on various innovation paradigms in system knowledge, intelligence, and sustainability that may be applied to provide realistic solutions to varied problems in society, environment, and industries.

SUBMISSION GUIDELINES

Prospective authors are kindly invited to submit full-text papers including results, tables, figures, and references. Full-text papers (.pdf, .doc) will be accepted by Electronic Submission System. All submitted articles should report original, previously unpublished research results, experimental or theoretical. Articles submitted to the Conference should meet these criteria and must not be under consideration for publication elsewhere. Manuscripts should follow the style of the Conference and are subject to both review and editing.

PUBLICATION FORMAT

The Paper shall not exceed 6 pages and shall be in two-column IEEE format. Each accepted paper must be registered for presentation. All presented papers will be published in peer reviewed journals with ISBN / ISSN number.

REGISTRATION FEE (PER AUTHOR)

Authors (Research Scholars/Students) : ₹800
Author (Scientist / Faculty) : ₹1500
Author (Industry Delegates) : ₹2000
Co-author/Participant: ₹600
Foreign Authors: \$100
Poster Presentation (Goa University student): ₹600

Please visit the conference website for more details
www.gec.ac.in/gecnc2023