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International Conference



ON
**Recent Advances in Engineering,
Science & Technology**

“ICRAEST-2024”
15 March, 2024



In Association with

**Dr. Babasaheb Ambedkar Technological
University (DBATU), Lonere**

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Under the aegis of IQAC

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**Godavari Foundation's
Godavari College of Engineering
Jalgaon**

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A Tradition of Excellence..... Since 1999

About GF's GCOE

Godavari College of Engineering (GCOE) was started by Godavari Foundation in 1999 to impart quality education in the field of Engineering & Technology. It is just one of the ventures of Godavari Foundation set up by person with high academic record at behest of very young altruist Dr. Ulhas Patil in 1999 at Jalgaon. College is approved by AICTE, New Delhi; recognized by Directorate of Technical Education (DTE), Govt. of Maharashtra and affiliated to Dr. Babasaheb Ambedkar Technological University (Dr. BATU), Lonere - Raigad (Maharashtra) and NAAC Accredited. The courses are conducted in the premises having well infrastructure, Computer Labs, Conference halls, Library and other amenities. A team of experienced and qualified faculty bears the responsibility to impart knowledge to aspiring students in GCOE. Right blends of Industrialists and Academia from various other colleges come to professionally train our students. Interaction with eminent personalities in their respective field is a continuous activity at the GCOE. In addition to giving them value-added skills, college provides the students with a solid foundation base to strengthen their engineering practical knowledge. The college is running five engineering under-graduate programs (B.Tech) & three engineering PG programs (M.Tech.) along with three courses in Polytechnic (Diploma) also a Ph.D. research center in Mechanical Engg. Each course is designed to cater to the requirements of the Industries. The above courses prepare the students for the plethora of experiences that they would face in real life situations in the Technical Industry and Entrepreneurial world.

Preamble

ICRAEST-2024 is aimed for interdisciplinary exchange among professionals in the Science, Engineering and Technology sector, ranging from Researchers, Academicians, Business professionals, UG-PG Students, Scientists, Industry Personnel and grass root innovators who are working in this field. This event will also comprise of keynote addresses by experts from leading Institutions and Research Organizations. This unique opportunity that we extend to our speakers and author delegates to abstracts their research in getting global visibility in addition with the networking opportunities before, during and after the conference. The conference is organized in association with Dr. BATU & International Journal of Innovations in Engineering & Science (IJES), ISSN: 2456-3463, under the aegis of IQAC.

Objectives

- ✓ This conference emphasizes evidence-based practice, educational innovation, practical application and peer-to-peer networking
- ✓ The goal is to provide a trans for motive professional development experience through bringing together the world's scientific & technical experts to catalyze the most recent research findings and advance scientific knowledge about Intellectual Advancements in Engineering, Technology.
- ✓ To encourage the delegates for technical writing and presentation based on their original research work.
- ✓ The conference seeks to identify & promote the R&D activities at the individual as well as at the institutional level.

Thrust Areas not limited to:

• Track-1 Electronics & Telecommunication Engg (ID: E&TC-01)

Emerging & Innovative Technology for Digital India and for Make In India, Emerging Wireless Technologies & Networks, Neuro- Fuzzy Systems, Reconfigurable Systems, Bio-MEMS/NEMS, Millimeter Wave Technology, MIMO Systems, Biomedical Sensors & Instrumentation, Cognitive Radio Design, Coding Techniques for 3G/4G, Telemetry & Telecomm Management Systems, UWB Systems wireless Energy Transfer, DSP, ASIC, System-on-Chip, CAD for VLSI, Embedded Systems using Arduino, Raspberry-Pi, Applications using Machine Learning, Artificial Intelligence, Internet-of-Things, Mobile communication, RF Circuit Design, Cryptography, MMIC & CMOS Circuits, Medical Electronics & Bioinformatics, Application in Agricultural Automation, Earth Station Systems & Technology, Signal & Image Processing, Airborne Vehicle Communication, Antennas, EMI/EMC.

• Track-2 Computer Science & Engineering (ID: CSE-02)

Distributed Database and System, Computer Architecture and Embedded Systems, Audio, Video and Image Processing, Internet of Things (IoT), Parallel Distributed Computing, Natural Language Processing, High Performance Computing, Computer and Network Security, Data Mining and Warehousing, Algorithms and Optimization Techniques, Software Engineering, MANET and VANET, Grid Computing, Soft Computing, Bio-Informatics and Cyber Security, Web Mining, Information Retrieval, Applications in Machine Learning, Artificial Intelligence and Expert System., Internet and Web Applications, Software Testing and Quality Assurance, Operating Systems, Human Computer Interaction, Query Optimization, Wireless Security System, Information Science and Management, E-Commerce, Data Science.

• Track-3 Mechanical Engineering (ID: ME-03)

Heat Transfer, IC Engine, HVAC, Engineering Mechanics, Green Manufacturing, Corrosion & Reliability, Lean Manufacturing, Advanced Welding Technology, Design of Machine Element, Mechanical Design of Robotics System, Supply Chain Management, Green Supply Chain Management, TQM, Precision Fluid Power control, Refrigeration and Air Conditioning, Theory of Thermal Stresses, Thermal system Analysis, Automobile Engineering, Robotics.

Track-4 Electrical Engineering (ID: EE-04)

FACTS, Power System, Automation, Distribution and Generation Technologies, Power Quality and Utility Applications, Power Electronics & Power Devices, Power Transmission, Electrical Machine and Analysis, Energy Development and Management System, Non-Conventional Energy Sources, Renewable Energy and its Applications in Industrial and Household.

• Track-5 Basic Sciences & Humanities (ID: BSH-05)

Environmental Pollution Control, Thermo Elasticity Group Theory, Luminescence, Waste and Energy Management, Nano Science, Nano Technology, Green Chemistry and Sustainable Chemistry, General Relativity, Dielectric Material, Superconductivity, Synthesis and Characterization of Advanced Materials, Water, Nano-Materials and Nano-Composites, Acoustic, Conducting Polymers, Mathematics Applications in Engineering studies, Environmental science.

Key Dates

• Last Date of Registration & Full length Paper Submission:	24 February, 2024
• Acceptance Note & Payment Registration Fee :	02 March, 2024
• Last date of Review notification & Camera Ready Paper submission :	08 March, 2024
• Presentation Schedule display :	13 March, 2024
• International Conference Date:	15 March, 2024

Paper Submission

Official language of the conference is English. Paper should be in IEEE paper format (MS Word, 02 columns, Font size 12 Time New Roman). The number of pages in paper should not exceed six (A4 size), Maximum four authors are permitted per paper and at least one author must register for the conference. Extra page will carry additional charge of Rs. 200/- per page. The received paper will be reviewed and scrutinized by the review committee based on content, originality, significance, quality, clarity & presentation. Plagiarism Should be lowest possible below 20 %. Kindly mention Track ID and Branch in registration form carefully. Recommended papers by the reviewers shall be published in the ICRAEST - 2024 conference proceeding (ISBN:978-81-965128-8-0) & in renowned international journal (ISSN & CrossRef DOI, SJIF: 5.856) subject to the acceptance of the paper by the journal. For paper format & related documents, Please refer www.gfgcoe.in

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*Participants will be given certificate only after successful presentation of their paper on the conference day.

Mode of Presentation: Online

To get register, Fill the Google form through the link given below:

<https://forms.gle/dU9HpHmyNQja8Znr9>

Registration Fee (Non Refundable)

1. Delegates from R&D Organizations, Industries: Rs.1500/-
2. Faculty from Academics, PhD Scholars, UG-PG students: Rs.1300/-
3. Foreign delegates : Rs.18 USD



Send your full length paper (MS Word) to vinudattchaudhari@gmail.com, with Subject line "Paper for ICRAEST - 2024, Corresponding author name, WhatsApp mobile number, Track ID".

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