



ICORETech 2024
KASARAGOD- INDIA



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LBS COLLEGE OF ENGINEERING - KASARAGOD

(A GOVT. OF KERALA UNDERTAKING)

**2nd International Conference
on Recent Advancements
in Engineering & Technology
(ICORETech 2024)**

**FEBRUARY
08-09
2024**

www.icoretech.in icoretech2024@lbscek.ac.in

VENUE

LBS College of Engineering, Kasaragod - Kerala



ABOUT THE INSTITUTION



Lal Bahadur Shastri (LBS) College of Engineering, Kasaragod was established in the year 1993 under the auspicious aegis of LBS Centre for Science & Technology, a Government of Kerala undertaking. The college is the first cost sharing engineering college in Government sector established by Government of Kerala. The college offers six undergraduate programs and a postgraduate program in Computer Science and Information Security, which is affiliated to APJ Abdul Kalam Technological University Kerala. The college is also an approved Research Centre for Ph. D program of APJKTU. The college campus is spread over an area of 52 acres of serene land, 14km away from Kasaragod railway station and 72 km away from the Mangalore international airport.

ICORETech 2024

International Conference on Recent Advancements in Engineering and Technology (ICORETech) is a prestigious event organized by the LBS College of Engineering, Kasaragod whose second edition is scheduled in February 08-09, 2024. The conference aims at providing a common platform to researchers, industry personnel, academicians, students and participating professionals to interact and discuss about the advances in the various areas of Engineering and Technology. Academicians and industry experts from renowned institutions across the globe will be sharing their ideas and innovations. The conference will focus on today's technical challenges, research updates and breakthrough innovations that are shaping the future relevant areas of technology.

CALL FOR PAPERS

The aim of this conference is to bring together academicians, researchers & professionals from diverse fields of Engineering and Technology to a common platform in order to facilitate exchange of knowledge and experience. The conference will provide an arena for showcasing of novel research findings and practical experiences in diverse fields of Engineering and Technology. The Conference includes oral presentations, poster presentations and keynote addresses.



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Director, LBS Centre for Science and Technology Thiruvananthapuram

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Principal, LBS College of Engineering, Kasaragod

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CO-CONVENOR

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Dr. A. Senthil Kumar, Professor, Department of Mechanical Engineering, National University of Singapore

Dr. Zurina Binti Zainal Abidin, Professor, Universiti Putra Malaysia

Dr. Rouzbeh Abbassi, P. Eng., Associate Professor, Director of Research, School of Engineering, Macquarie University, Australia

Dr. Mohamed Ahmed Sadek, Director, Energy Market Analysis, Electrical Power Engineers (EPE), USA

We invite original research articles in the following tracks and not limited to

TRACK 1 : COMMUNICATIONS AND NETWORKING

- Access Systems and Networks
- Cloud Communications and Networks
- Smart Grid Communications
- Powerline Communications
- Satellite And Space Communications
- Ad Hoc And Sensor Networking
- Cognitive Radio and Networking
- Communications And Information System Security
- Communication Software, Services & Multimedia Applications
- Communications Qos, Reliability and Modelling
- Communication Theory
- Green Communication Systems and Networks
- Next Generation Networking and Internet
- Optical Networks and Systems
- Signal Processing for Communications
- Wireless Communications
- Wireless Networking
- Mobile Computing

TRACK 2 : INFORMATION AND COMPUTATION

- Security, Trust, & Privacy, Routing & Control Protocols
- IoT programming toolkits and frameworks
- Green communication systems and network
- Broadband wireless access, Mobile backhubs for small cells
- Multiple antenna techniques, Cognitive radio and networks
- Ubiquitous computing, Ambient Intelligence
- Network & information security, Wireless & optical networks
- Identity Management and Object Recognition
- Big Data and Data Mining, Data Fusion
- Scalability, Reliability, Usability & Robustness
- IoT prototypes and evaluation test-beds
- Spatial and temporal reasoning for IoT
- Sensor Networks and Embedded System

TRACK 3 : CIVIL & ENVIRONMENTAL ENGINEERING APPLICATIONS

- Structural Health Monitoring of Civil Infrastructure Systems
- Intelligent Vibration Control in Civil Engineering Structures
- Nanotechnology for Civil Infrastructure
- Sensor Technologies for Civil Infrastructures
- Advances in Transportation & Traffic Engineering
- Machine Learning Applications in Civil Engineering

TRACK 4 : ADVANCES & APPLICATIONS IN MACHINES & AUTOMOBILES

- Mechanical Behavior of Biomaterials
- Mechanical Vibrations and Condition Monitoring
- Machine Intelligence in Mechanical Engineering
- Advances in Energy Systems and Technology
- Materials, Design & Manufacturing for Lightweight Vehicles
- Structural Acoustics and Vibration
- Robotics and Automation
- Mechanical Measurements
- Mechanical Design
- Mechanical Engineering Systems
- Mechanical Energy Storage Technologies
- Dynamics of Mechanical Systems
- Thermal Systems

TRACK 5 : VLSI & SIGNAL PROCESSING

- Artificial & Computational Intelligence
- Solid State Devices
- Analog and Digital Integrated Circuits
- Digital and Intelligent Signal Processing
- VLSI Design and Embedded Systems
- Microprocessors and Microcontrollers
- Machine Learning
- IoT and Applications
- Advances in Microwave Engineering
- Artificial Neural Networks and Fuzzy Systems

TRACK 6 : E-MOBILITY & GREEN ENERGY TECHNOLOGIES

- EV Batteries, Charging Stations and Connectors
- Electric and Alternative Fuel Vehicles
- Control Strategies for Electric Machines & Adjustable Speed Drives
- Renewable Energy Sources and Interfacing
- Applications of Machine Learning in Energy Systems.
- AI Techniques in EVs
- Smart Grid Technologies & Applications
- Power Electronics, Power Systems & Applications
- Emerging Areas in Green Energy Technology
- Energy Efficiency & Sustainability
- Control Theory and Applications

TRACK 7: ADVANCES IN MATHEMATICS, PHYSICS AND CHEMICAL SCIENCE

- Analytical and Bioanalytical Chemistry
- Catalysis and Reaction engineering
- Advancements in Organic and Inorganic Chemistry
- Biochemistry
- Polymer Chemistry
- Nanoscience and Material Chemistry
- Physical chemistry
- Environmental and Green Chemistry
- Computational Chemistry
- Advancement in Photonics
- Quantum Computing
- Energy Conservation and Sustainability using Energy Harvesting
- Nano Optics
- Mathematical Physics
- Applied Non-linear Physics
- Condensed Matter Physics
- Soft Matter Semiconductor Physics
- Solar Energy Research and Application
- Modern Algebra
- Graph Theory
- Cryptography
- Numerical Analysis
- Functional Analysis
- Topology
- Differential Equations
- Game theory
- Number Theory
- Statistics and Business Analytics
- Mathematical Prediction Models

The articles accepted after peer review process which meets the aim and scope will be subjected for publications in the following Journals

- o International Journal of Vehicle Structure and Systems (Scopus Indexed - Additional APC- Terms & Conditions Applicable)
- o ICTACT Journals on Communication Technology (UGC CARE I JOURNAL)
- o ICTACT Journals on Image and video processing (UGC CARE I JOURNAL)
- o ICTACT Journals on Soft Computing (UGC CARE I JOURNAL)
- o ICTACT Journals on Microelectronics (UGC CARE I JOURNAL)
- o ICTACT Journal on Management Studies
- o ICTACT Journal on Data Science and Machine Learnin

PAPER SUBMISSION LINK

<https://cmt3.research.microsoft.com/ICORETech2024/Submission/Index>

REGISTRATION FEES

Indian Authors	INR 2000
Indian Students	INR 1500
Foreign Authors	USD 100
Foreign Students	USD 50

ACCOUNTS DETAILS

A/C Name: nCORETech
A/C Number: 3424310158
IFSC Code: CBIN0284151
Bank Name: Central Bank of India, Kasaragod

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IMPORTANT DATES



Last Date of Paper Submission



Paper Acceptance Notification



Camera Ready Paper



Paper Registration



Conference Dates