Warm Greetings from College of Engineering Thalassery

We are happy to inform you that, College of Engineering Thalassery is hosting **"AGNITUS 23",** a multi event technical festival enriched with a wide variety of technical exhibitions, workshops, hackathon, tech-talks, conference, grand cultural programmes and other attractions **on** 5th and 6th of May 2023, . As part of the Tech-Fest, the department of Electronics ad communication of the college is organizing a multidisciplinary national conference, **"National Conference on Novel Engineering Science and Technology" (NACONEST-23),** on *2*nd *and 3*rd *of May 2023*. Papers based on the original research/project works/ surveys are invited for a possible inclusion as oral/poster presentation in the conference. We, earnestly solicit your kind co-operation to ensure the full fledged participation of the staff and students of your esteemed institution to make the program a grand success.

The conference will host a platform to bring together academicians, researchers, professionals, students and practicing engineers, from various industries, research institutes and educational bodies to share and exchange ideas and information on the theme of the conference to foster research activities

The scope of the conference is multidisciplinary and will focus on the emerging areas in all field of Engineering, Science and Technology. The conference will be conducted in hybrid mode.

All the accepted abstracts will be published in the conference proceedings with ISBN.

Conference Committee

Chief patron

Dr. Thajudin Ahamed V.I
Director, CAPE
Patron
Dr, Rajeev.P
Principal
College of Engineering Thalassery
Advisory committee
Dr. Ebby David, HOD,ME
Dr. Reeda Kunjimangalam, HOD,EEE
Dr. Muhammed Mubarak , HOD,CSE
Prof. Resna Nidhin, HOD,IT
Prof. Rinitha , HOD,CE
Dr. Jithendra. K B, AP in ECE
Organizing chairs
Dr. Sudheer. V R HOD,ECE

Prof. shayini. R, AP in ECE
Prof. Jeeshma J, AP in ECE

The College

College of Engineering Thalassery, located at the scenic beauty of the Eranholi hills, Thalassery, Kannur, kerala, is a Government cost sharing Engineering college managed by the Co-operative Academy of Professional Education under the Department of Cooperation, Government of Kerala. Estalished in 2000, the college currently offers six BTech programs affiliated to the APJ Abdul Kalam Technological University (KTU) and an MBA program affiliated to the Cochin University of Science and Technology (CUSAT). Admission to the college is purely on merit, based on the Common Entrance Examination (CEE) conducted by the Govt. of Kerala. The excellent academic results, placement rate, NBA accreditation, curricular-co curricular and extracurricular facilities, state of the art infrastructure facilities, skill development activities, unique academic ambiance, different startups launched by our students and the like has made the college a prime choice of top rank holders in the CEE. The multifaceted skill enhancement programs conducted viz. Skill and Knowledge Development Centre (SKDC) ASAP, IEDC, SKDC, Technology Business Incubation Centre, Professional bodies and department associations equip our students to be industry ready.

The department of Electronics and communication

The department of Electronics and communication was started in the year 2000 and is currently offering BTech program affiliated to KTU, with an annual intake of 120 students. The Department has well equipped laboratories to cater the curriculum ad research activities in the relevant fields. The prestigious alumni in the top ranked positions in Govt. organization and MNCs across the world mark the quality of education and the ad skill imparted. The department has highly qualified and motivated academic faculty having extensive teaching and research experience and have several International and National Journal and conference publications to their credit.

VISION

To render activities that creates and transfers a new knowledge in electronics and communication to meet the industrial needs and for the benefit of society.

MISSION

. Ensuring effective teaching learning process to provide in-depth knowledge of basic principles and its application in Electronics and communication Engineering.

. To educate the students to meet the growing challenges of industry.

. To develop professional attitudes and ethical values to have a productive career and to serve humanity

The topics

The conference topics include (but not limited to) are streamed to four tracks as listed below

- **Track 1 Electronics, communication, electrical engineering**

  Electric Power Generation, Transmission and Distribution, Power Electronics, Power Quality & Economic, Renewable Energy, Smart Grid, Electric Vehicles, Electromagnetic Compatibility, Electrical, Engineering Materials (Conductors, Superconductors Dielectrics and Magnetics), High Voltage Insulation Technologies, Lightning Detection and Protection, Power System Analysis &Protection SCADA, Electrical Measurements

  Antenna and Wave Propagation, Broadcasting, Communication Electronics & Microwave, Communication Network & Systems, Distributed Platform, Information Theory & Coding, Modulation and Signal Processing for Telecommunication, Wireless & Mobile Communications, Radar Imaging, Radio Communication, Security Network, Telematics Services optical signal processing, optical sensors, plasmonics, nano technology, thin film technology, time series analysis, and the like

- **Track 2 Computer Science,   information technology**

  Artificial Intelligence, Biometric Systems and Bioinformatics, Cloud Computing, Computational Intelligence, Complex Adaptive Systems, Computer Network Security, Computer Vision, Data Engineering, Deep Learning, Distributed Computing System, Expert and Knowledge-Based Systems, Fuzzy Logic, Heuristic Algorithms, Hybrid Models of Neural Networks, Fuzzy Systems, and Evolutionary Computing, Human-Computer Interaction, Human-Machine Interface, Image Processing and Pattern Recognition, Information Retrieval, Information Theory, Intelligent System, Internet of Things (IoT), Machine Learning, Mobile Processing, Multimedia Systems, Neural Network, Natural Language Processing, Robotics & Control System, Signal Processing & Analysis, Software Engineering, Swarm Intelligence, Transfer Learning, Virtual and Augmented Reality Systems, and the like

- **Track 3   Mechanical Engineering, Civil Engineering**

  Applied Mechanics, Automation and Mechatronics, Automotive Engineering, CAD/CAM, Composite Materials, Computational Mechanics, Dynamics and Vibration, Energy Engineering and Management, Fuels and Combustion, Machinery and Machine Design, Manufacturing and Production Processes, Manufacturing Robots, Manufacturing System and Simulation, Material Science and Technology, Mechanical Design, Product Design, System Dynamics and Simulation, Turbulence

Asset Management and Infrastructure, Building Energy Conservation and Green Architecture, Civil Engineering Materials, Civil and Urban Engineering, Civil and Structural Engineering, Construction Management, Coastal Engineering, Disaster Management, Engineering Structure Safety & Disaster Prevention, Geotechnical Engineering, Hydraulic Engineering, Management and Water Resource Engineering, Management and Transportation Engineering, Road & Bridge Engineering, Structural Liability, and the like

Track 4.Other branches of science and technology

Chemical Engineering,Chemistry,Corrosion Engineering,Cosmology,Marine Engineering,Mathematics,Nuclear Engineering,Petroleum Engineering,Polymers and Plastics,Physics,Renewable Energy,Energy Conservation,Energy Consumption,Solar Power,**Mathematics,Statistics,Waste Management**

Important dates

Event name	Date
Last date for submission of abstract	22/04/2023
Notification of acceptance	25/04/2023
Date of presentation (oral/poster)	03/05/2023

Abstracts are to be **submitted to** naconest@gmail.com

Registration

No registration fee will be charged

STUDENT COORDINATOR

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