



NATIONAL
CONFERENCE
ON RESEARCH
IN EMERGING AREAS

26-28 APRIL 2023

Venue:
Amal Jyothi College of Engineering

Amal Jyothi College of Engineering, Kanjirappally has been organizing annual national conferences on major research areas of current interest titled NACORE (National Conference on Research in Emerging Areas) since 2009. The themes of NACORE-23 are Cyber Security, Recent Trends In Computing, Sustainable Engineering, Software Engineering, Data Management System.

Important features of the Conference

- Hybrid mode
- Keynote lectures by distinguished personalities
- Short oral presentations from young research scientists
- Round-table meetings and discussions
- Publication of proceedings with ISBN
- Technical Workshops



www.nacore.in

Dear Sir/Madam,

It gives us great pleasure in extending you a very warm invitation to NACORE-2023, the 3rd National Conference to be held at Amal Jyothi College of Engineering, Kanjirappally, Kerala, during 26-28 April 2023, jointly be organized by the Departments of Computer Science & Engineering and Kottayam ACM Professional Chapter. Focused on the themes the conference is meant to provide a forum for scientists, scholars, engineers, academicians, researchers and students from the universities and the industry across the country, to present ongoing research activities, and to foster research relations between the universities and the industry. The conference provides opportunities for the delegates to exchange new ideas and application experiences face-to-face on the various aspects and to discuss the practical challenges encountered and the solutions adopted.

We look forward to your benign presence, active contribution and support to make this event a roaring success.

Sincerely Yours,

Fr Dr Mathew Paikatt
Manager

Dr Lillykutty Jacob
Principal

Dr Juby Mathew
General Chair
NACORE - 23

Kanjirappally
01/01/2023

CALL FOR PAPERS

The Program Committee solicits original research papers to be considered for presentation at the Conference and publication in the proceedings.

AREA1: CYBER SECURITY

Active Defence Systems
Analysis, Benchmark of Security Systems
Applied Cryptography
Authentication
Biometric Security
Complex Systems Security
Database and System Security
Distributed Attack Systems
Denial-of-Service
High Performance Security Systems
Hardware Security
Intelligent Defence Systems
Internet and Network Forensics
Intrusion Detection and Prevention
Key Distribution and Management
Large-scale Attacks and Defence
Network Security
Security in Cloud and Grid Systems
Security in E-Commerce
Security in Pervasive/Ubiquitous Computing
Security and Privacy in Smart Grid
Security and Privacy in Wireless Networks
Secure Mobile Agents and Mobile Code
World Wide Web Security

AREA2 : RECENT TRENDS IN COMPUTING

Artificial Intelligence tools & Applications
Bioinformatics
Natural Language Processing
Computer Vision and Speech Understanding
Data Mining
Computational Theories of Learning

CONFERENCE MAIN TRACKS

- Cyber Security
- Recent Trends In Computing
- Sustainable Engineering
- Software Engineering
- Data Management System

Information Retrieval
Intelligent System Architectures
Knowledge-based Systems
Multimedia & Cognitive Informatics
Neural Networks
Robotics
Semantic Web Techniques and Technologies
Software & Hardware Architectures
Soft Computing
Fuzzy Systems
Machine learning
Image processing
E-Commerce
Signal Processing
Biomedical Engineering
Pervasive computing and ambient intelligence
Programming Languages

AREA 3 : SUSTAINABLE ENGINEERING

AREA 4 : SOFTWARE ENGINEERING

AREA 5 : DATA MANAGEMENT SYSTEM

Submit your paper:

nacore@amaljyothi.ac.in

IMPORTANT DATES

Paper submission opens	:	01/01/2023
Submission closes	:	10/04/2023
Notification of acceptance	:	15/04/2023
Camera ready paper	:	20/04/2023
Conference dates	:	26, 27, 28 April 2023

REGISTRATION FEE		Account Details
Delegates	Rupees	Account Name: CSE AJCE
Industry	2500	Account Number: 0844053000000828
Academic	2000	IFSC Code: SIBL0000844
Research Scholar / Student	1000	Bank: South Indian Bank
Accompanying person	500	Koovappally Branch
General Registration	1000	

TOURIST INFORMATION-MAIN VENUE

KUMARAKOM BIRD SANCTUARY – 56 KM FROM THE VENUE

Kumarakom Bird Sanctuary is situated at Kumarakom in Kottayam district. Covering an area of 14 acres Kumarakom Bird Sanctuary is a delight for the lovers of birds. It occupies the area on the banks of the Vembanad Lake and offers its visitors a glimpse of Kerala's natural beauty. Major attractions are Flora, Birds, Houseboats and motorboat etc.



THEKKADY (PERIYAR TIGER RESERVE) – 60 KM FROM THE VENUE

Periyar Tiger Reserve, Thekkady, Idukki Dist, is an example of nature's bounty, with great scenic charm, and rich bio diversity, providing veritable visitor satisfaction. Sprawled over an area of 777 Sq .km. Periyar is one of the 27 tiger reserves in India.



WAGAMON (TREKKERS' PARADISE AND PARAGLIDING) – 40 KM FROM THE VENUE

Wagamon is located about 65 km from both Kottayam and Idukki. Situated at an elevation of about 1100 meter above the sea level, it is famous as a trekkers' Paradise. Wagamon also has the distinction of being one of the "50 must see sights in the world" according to National Geographic Magazine. Also it is a hill station noted for its misty meadows, splashing waterfalls, and exciting trekking paths.



VEMBANAD LAKE – 50 KM FROM THE VENUE

Vembanad is India's longest lake, and Kerala's largest lake. The Vembanad wetland system covers an area of over 1512 km. The lake is bordered by Alapuha, Kottayam, and Ernakulam districts. It lies at sea level, and is separated from the Arabian Sea by a narrow barrier island. Several rivers flow into the lake and Canals link the lake to other coastal lakes of the region.



ELAVEEZHAPOONCHIRA MOUNTAINS – 40 KM FROM THE VENUE

Skirting the Kottayam District are the beautiful valleys of Elaveezhaponchira, spread over thousands of acres in Melukavu village of Meenachil Taluk. The pristine beauty of nature is preserved almost intact here in the imposing mountain ranges with rocky cliffs. The different elevations of the mountain ranges with contrasting shapes give this hill station a dramatic and distinctive outline of great scenic splendor. Just below the hill, there is a small perennial pond like water body called 'poonchira'.



GRAMPI HILL STATION – 35 KM FROM THE VENUE

The picturesque hill station of Grampi, situated 5 kms from Peerumade is also known as the Parunthupara, meaning the eagle rock. Rocky plains, lush hillsides, forests, trekking trails and picturesque views lend charm to this destination. The road to Grampi is flanked by unending stretches of cardamom, tea and coffee plantations.



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NATIONAL
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ON RESEARCH
IN EMERGING AREAS

Organized by

Amal Jyothi College of Engineering Kanjirappally

26-28 April 2023

Name : _____

Affiliation : _____

Qualifications : _____

Designation : _____

Gender (M / F) : _____

Department : _____

Organization : _____

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Declaration by the Applicant

The above mentioned information is true to the best of my knowledge and belief. I shall attend the course for the entire duration.

Signature of Applicant

Signature of the Head/Principal with Seal:

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COLLEGE OF ENGINEERING
KANJIRAPPALLY



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