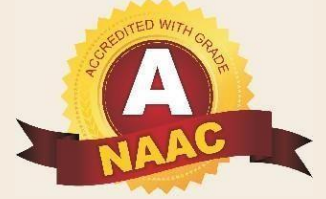# AMET
UNIVERSITY
(Deemed to be University Under Section 3 of UGC Act 1956)

INTERNATIONAL CONFERENCE ON

DIGITAL ARCHIVING AND PRESENTATION
ON CULTURAL HERITAGE OF INDIA

8th and 9th December 2022

Organized by

Department of Electrical and Electronics Engineering

ABOUT THE AMET UNIVERSITY

Academy of Maritime Education and Training (AMET) is the first deemed to be University in Maritime Education, recognized by the Ministry of Education, Govt. of India under de novo category. AMET is a pioneering University with membership in International Association of Maritime Universities (IAMU), Japan. AMET is ranked fifth among the Maritime Universities of World in PIMET (Performance Indicators in Maritime Education and Training) Ranking of the IAMU. AMET has been accredited with "Grade A (II Cycle)" by National Assessment and Accreditation Council (NAAC). The Directorate General of Shipping (DGS), Government of India has awarded Grade A1 (Outstanding) through Comprehensive Inspection Programme (CIP) for the past five consecutive years. AMET has so for produced more than 20,000 graduates who are occupying indispensable positions in the shipping & allied industries and service sectors all over the World. Over 4000 students are pursuing various Programmes ranging from Degree to Doctoral programs through seven schools comprising of 16 departments in addition to two intensive research centres and seven specialized laboratories. AMET is equipped with excellent infrastructure and ICT enabled education tools and facilities for teaching, training, research and development, co-curricular and extracurricular activities. AMET has strong International and National collaborations with renowned industries and academia through which the University organizes on-campus placements for students and cadets across all disciplines

HIGHLIGHTS OF DEPARTMENT

Department of Electrical and Electronics Engineering is established in the year 2008 with the objective of imparting quality education of international standards and to produce highly innovative Marine Electrical and Electronics Engineers capable of solving global maritime challenges. The Department offers 4 years Under Graduate Program in Electrical and Electronics Engineering – Marine with NBA accreditation and 2 years Post Graduate Program in Power Systems and Doctoral programs in core areas as well as interdisciplinary domains. The Department houses state-of the art laboratories, smart class rooms and well stacked library to impart teaching, learning and research. The Department is proud of its legacy of Alumni who occupies key positions in world class Maritime/Non-Maritime sectors.

THEME OF THE CONFERENCE

The main theme of the conference is to gather all the professionals, academicians and researchers both from academic and industrial sector to exchange their ideas and research findings on scientific and technological developments in Indian heritage. This conference will also provide a new habitat, develop new ideas in the excavation of ancient architecture using advanced technologies. The main goal of this conference is to discuss and debate the anomalies faced by every individual during their research on scientific and technological advancements in Indian cultural heritage.

Topics of interest include, but are not limited to the following.

PANEL I: DAY 1   PANEL II: DAY 2

DAY 1: TRACK 1 - Digital Cultural Heritage
1. Digital Preservation of Indian Heritage
2. Indian Knowledge Traditions
3. Application of AI & Deep Learning in digital restoration
4. Virtual reality for the enhancement of cultural Heritage
5. Impact of digital technology on archaeological recording strategies
6. Integrated approach for conservation of archaeological buildings
7. Photogrammetry and the impact of cameras placement and angular intervals between images on model reconstruction.

DAY 1: TRACK 2 - Power Electronics and Power Systems
1. Electrical and Silent Propulsion System in Ships
2. Modern Industrial Drives
3. Power System Protection Equipment
4. Distributed Energy Systems
5. Hybrid and Semi Hybrid Electric Vehicles
6. Power Quality Issues and Solutions
7. VLSI Design

DAY 2 : TRACK 3 - Cyber Physical Systems
1. Virtual Reality and Augmented Reality
2. 3D Printing
3. Under water mapping
4. Big Data Analytics
5. Sensors & Actuators for cyber Physical Systems and Applications
6. Cyber Security Issues
7. Robotics and AI

Day 2 : Track 4 - Communication and Computing
1.Wireless Communication
2.Advanced Communication Systems
3.Advanced Networking and Applications
4.Information security and Information retrieval
5.Satellite Communication
6.Mathematical modelling and Computing
7.Wireless Sensor Networks

CALL FOR PAPERS:

Papers of Original contributions which are not already submitted / published elsewhere are invited from researchers, professionals, industrial delegates, academia and students on areas related to scope of the conference. Each paper must be accompanied by an abstract and should be prepared as per the guidelines summarized below,

- Maximum length of the paper should not exceed 6 pages in IEEE format.
- The cover page of the paper should contain:
  - Title of the paper
  - Name of the author(s)
  - Name of the College & University
  - Complete postal address with email id and telephone numbers
- The paper in MS-word format should be emailed to bimmanuelt@ametuniv.ac.in
- Accepted papers will be published in the proceedings of the conference
- Extended papers will be published in Scopus/SCI indexed/ Annexure Journals with additional cost

IMPORTANT DATES

Last date for Submission of Abstract	-	20th November 2022
Last date for Submission of Full Paper	-	30th November 2022
Notification of Acceptance	-	4th December 2022
Date of Conference	-	8th & 9th December 2022

REGISTRATION FEE:

Registration Categories	Indian Author
Industry	₹ 1500
Academician / Research Scholar	₹ 500
UG & PG Students	₹ 250

FOR REGISTRATION DETAILS CONTACT

Dr. T. Baldwin Immanuel
Associate Professor
Department of EEE
Contact No : 9600089086
Email id: bimmanuelt@amentuniv.ac.in

ORGANIZING COMMITTEE

CHIEF PATRONS :

Dr. J. Ramachandran, Chancellor, AMET

Dr. Rajesh Ramachandran, Pro-Chancellor, AMET

PATRON :

Col. Dr. G. Thiruvasagam, Vice-Chancellor, AMET

ORGANIZING COMMITTEE :

Dr. M. Jayaprakashvel, Registrar (i/c), AMET

Dr. D.Arivazhagan, Director, Ranking and Accreditation, AMET

Dr. D.Velmurugan, Dean-Sponsored Research, AMET

CONVENER AND ORGANIZING SECRETARY

Dr. T. Sasilatha, Dean Academics & International Relations, AMET

CO-ORDINATORS :

- Dr. T. Baldwin Immanuel, Associate Professor, Department of EEE, AMET
- Mrs. J. Padmapriya, Principal Investigator, WOS-B, DST
- Mr. K. Manikandan, Assistant Professor, Department of EEE, AMET

ADVISORY BOARD:

INTERNATIONAL ADVISORY COMMITTEE

- Dr. Gaurav Shekhar, Program Director and Asst Professor of Instruction, Graduate Program – Business Analytics, The University of Texas at Dallas, USA
- Dr. Nik Bessis, Professor & Head, Dept of CSE. Edge Hill University, UK.
- Dr. Mark Liptrott, Senior Lecturer, Dept of CSE. Edge Hill University, UK.
- Dr. Peter Vangorp, Programme Leader for Computing, Dept of CSE. Edge Hill University, UK.
- Dr. Abdul Hameed Al-Hashem, Post Senior Researcher, PRC, Kuwait Institute of Scientific Research, Kuwait.
- Dr. Huaizhong Zhang, Senior Lecturer, Dept of CSE. Edge Hill University, UK
- Dr. Marcello Trovati, Director of PG Studies & Deputy Director for CDS, EdgeHill University,
- Dr. Heba Ahmed Hassan, Dhofar University, Oman.
- Dr. Mohsin Raza, Professor, Edge Hill University, United Kingdom.
- Dr. Muhammed N Huda, Professor, Edge Hill University, United Kingdom.
- Dr. Jey Veerasamy, Professor, University of Texas at Dollas, USA.
- Dr. Vigna Kumaran, Professor, University of Nasional Tenaga, Malaysia.
- Dr. Josaiah Munda, Professor, Tshwane University of Technology, South Africa.
- Dr. Raju Aedla, Research Scientist, Kumamoto University, Japan.
- Prof. Morelos Zaragoza, Robert H. San Jose State University, Canada.

NATIONAL ADVISORY COMMITTEE

- **Mr. SM. Ramasamy,** National Coordinator, Digital Poompuhar Project
- **Dr. D. Rajasekhar,** Scientist – G, Head-Vessel Management Cell, National Institute of Ocean Technology – Chennai
- **Dr. R. Venkatesan,** Scientist G & Programme Director Ocean Observation Systems, National Institute of Ocean Technology – Chennai, Ministry of Earth Sciences
- **Prof. Om Prakash Sha,** Professor, Ocean Engineering & Naval Architecture, IIT Kharagpur
- **Dr. R. Vijayakumar,** Associate Professor, Department of Ocean Engineering, IIT, Madras
- **Prof. T. Asokan,** Professor & Head, Dept of Engineering Design, IIT (Madras), Chennai
- **Dr. Rajeev Sharma,** Professor, Dept. of Ocean Engg, IIT (Madras), Chennai
- **Dr. Vijayakumar Banga,** Principal, Amritsar College of Engineering & Technology, Amritsar, Punjab, India.
- **Prof. K. Sivaprasad,** Cochin University of Science and Technology, Kerala
- **Dr. J. Daniel Chellapa,** Scientist, Dept. of Atomic Energy, Kalpakkam
- **Dr .V.N. Mani,** Scientist-E, Electronics and Information Technology, Centre for Materials for Electronics Technology, Hyderabad.
- **Dr. Mayank Agarwal,** Associate Professor & H.O.D, Computer Science & Engineering, Gurukul Kangri University, Haridwar
- **Dr. Rajesh Katyal,** Deputy Director General & Division Head,National Institute of Wind Energy, Ministry of New and Renewable Energy, Govt of India
- **Dr. Rajib Kar,** Associate Professor, ECE, NIT, Durgapur
- **Dr. S. Jeevananthan,** Professor, Dept.of EEE, Pondicherry Engineering College, Puducherry
- **Dr. L. Padmasuresh,** Professor, Dept. of EEE, Biosless Mathews II Engineering College, Kollam
- **Dr. P. Somasundaram,** Associate Professor, Dept. of EEE, CEG, Anna University, Chennai.

LOCAL ORGANIZING COMMITTEE

- **Dr. S. Priya,** Professor and Head, Dept. of EEE, AMET
- **Dr. G.Themozhi,** Professor, Dept. of EEE, AMET
- **Dr. V. Sridevi,** Professor, Dept. of EEE, AMET
- **Dr. V. Rajeswari,** Professor, Dept. of EEE, AMET
- **Dr. D. Lakshmi,** Associate Professor, Dept. of EEE, AMET
- **Dr. C. Gnanavel,** Assistant Professor, Dept. of EEE, AMET
- **Mrs. G. Jegadeeswari,** Assistant Professor, Dept. of EEE, AMET
- **Mrs. R. Elavarasi,** Assistant Professor, Dept. of EEE, AMET
- **Mrs. R. K. Padmashini,** Assistant Professor, Dept. of EEE, AMET
- **Mrs. R. Rajasree,** Assistant Professor, Dept. of EEE, AMET
- **Mr. R. Karthick Manoj,** Assistant Professor, Dept. of EEE, AMET
- **Mr J. S. Ashwin,** Assistant Professor, Dept. of EEE, AMET
- **Mr. M. Ashok Kumar,** Project Associate, Digital Poompuhar Project
- **Mr. G.Mohendran,** Project Associate, Digital Poompuhar Project
- **Mr. Mohammed Fadil H,** Junior Research Fellow, Digital Poompuhar Project

ADMISSIONS FOR THE YEAR 2022-2023 ARE OPEN

Toll Free Number : 1800 108 3030
Contact for Admission : +91-93443 91418 (Whatsapp)
Email : admission@ametuniv.ac.in
Facebook Link : https://www.facebook.com/AMETInternational/
Instagram : https://www.instagram.com/amet.university/
Youtube : https://www.youtube.com/channel/UC6Jzfz1MSE_QBObJmMPLzPQ/