



# AMET UNIVERSITY

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



## INTERNATIONAL CONFERENCE ON FUTURISTIC DIGITAL TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT

23<sup>rd</sup> and 24<sup>th</sup> March 2023

*Jointly organized by*

**International Institute of Artificial Intelligence & Machine Learning  
&  
Department of Computer Science and Engineering**



**Academy of Maritime Education and Training**

Deemed to be University

#135, East Coast Road, Kanathur - 603112 Chennai, Tamil Nadu, India

Tel : 91 44 2744 4625 / 627 / 628

E-mail: [office@ametuniv.ac.in](mailto:office@ametuniv.ac.in) Website : [www.ametuniv.ac.in](http://www.ametuniv.ac.in)





## 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 far 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 Computer Science and Engineering is established in the year 2009 with the objective of imparting quality education of international standards and to produce highly innovative Computer Engineers capable of solving global challenges. The Department offers 4 years Under Graduate Program in Computer Science and Engineering – Artificial Intelligence / Cyber Security, Robotics and Artificial Intelligence 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.



## 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 futuristic technologies. This conference will also provide develop new ideas in the execution of 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 the field of Computer Science. It also benefits the student community in exchanging their ideas with foreign nationals and also helps them in student exchange programme in the later years. By this conference, faculty can collaborate with INTI International University, Malaysia for their future work.

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

#### PANEL I: DAY 1

##### DAY 1: TRACK 1 – Cyber Physical System

1. Neural Networks
2. Cyber Security Systems
3. Human Machine Inference
4. Pattern recognition and Information retrieval
5. Virtual Reality and Augmented Reality
6. Intelligent Systems
7. Block Chain

##### DAY 1: TRACK 2 – Computing and Networking

1. High Performance Computing
2. Computer Networks
3. Reinforcement Learning
4. Cloud Computing
5. Wireless Communication
6. Wireless Sensor Networks
7. Digital Image Processing

##### DAY 1: TRACK 3 – Robotics in AI

1. Robotics Process Automation
2. Natural Language Processing
3. Distributed & Autonomous Computing
4. Machine Learning
5. Fuzzy systems
6. AI in Food & Agriculture
7. AI in Human & Behavior

#### PANEL II: DAY 2

##### Day 2 : Track 4 - Data Science

1. Data Strategy
2. Data Management and Relational Database Modelling
3. Information security and Information Retrieval
4. Data Warehousing
5. Big Data Analytics
6. Business Analytics
7. Data Analytics

##### Day 2 : Track 5 – Digital Marketing & transformation

1. Search Engine Optimization (SEO)
2. Search Engine Marketing (SEM)
3. Social Media Optimization (SMO)
4. Email Marketing
5. Affiliate Marketing
6. On & Off Page Optimization
7. Content Marketing

##### Day 2 : Track 6 – Marine Industries

1. AI in Ships
2. Smart Tech for Shipping
3. Under water mapping
4. Ship Construction
5. Advanced Marine Heat Engines
6. Renewable Energy Sources & Applications
7. Advanced Material Science & Surface Coating Engineering



## 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 [icfdtsd2023@gmail.com](mailto:icfdtsd2023@gmail.com)
- 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	-	10 <sup>th</sup> March, 2023
Notification of Acceptance	-	14 <sup>th</sup> March 2023
Date of Conference	-	23 <sup>rd</sup> & 24 <sup>th</sup> March 2023
Registration Link	-	<a href="https://tinyurl.com/yhxtxxxh">https://tinyurl.com/yhxtxxxh</a>

## REGISTRATION FEE :

Registration Categories	Fees	
Industry	₹ 1500	\$ 20
Academician / Research Scholar	₹ 1000	\$ 15
UG & PG Students	₹ 500	\$ 10



For Registration  
Scan QR code

### **FOR REGISTRATION DETAILS CONTACT:**

**Mr. M. Thiyagarajan**

Assistant Professor

Department of CSE Contact No : 95000 16626

Email id: [mthiyagu@ametuniv.ac.in](mailto:mthiyagu@ametuniv.ac.in)



## ORGANIZING COMMITTEE

### CHIEF PATRONS :

**Dr. J. Ramachandran**, Chancellor, AMET

**Dr. Rajesh Ramachandran**, Pro-Chancellor, AMET

### PATRON :

**Col. Dr. G. Thiruvassagam**, Vice-Chancellor, AMET

### ORGANIZING COMMITTEE :

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

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

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

### CONVENER AND ORGANIZING SECRETARY

**Dr. N. Duraimutharasan**, Professor & Head - Dept. of CSE, AMET

### CO-ORDINATORS :

- **Dr. D. Sivakumar**, Professor, Dept. of CSE, AMET
- **Dr. R. Ramesh Kumar**, Professor, Dept. of CSE, AMET
- **Dr. G. Vennila**, Assistant Professor, Dept. of CSE, AMET
- **Mr. M. Thiagarajan**, Asst. Professor, Dept. of CSE, AMET
- **Mr. S.P. Ramesh**, Assistant Professor, Dept. of CSE, AMET

### ADVISORY BOARD:

### INTERNATIONAL ADVISORY COMMITTEE

- **Dr. Wong**, Pro Vice Chancellor, Research Program – INTI International University, Malaysia
- **Dr. Nik Bessis**, Professor and 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. Anitha**, Professor, Wollega University, Ethiopia.



- **Dr. Malathy**, Professor, INTI International University, Malaysia.
- **Dr. Mohammed Abbas**, Professor – CSE, Mazoon College, Oman.
- **Dr. Murakami Satoshi**, Professor, Tokyo Institute of Technology, Japan.
- **Prof. Alberta**, DMI – St. Eugene University, Zambia.

#### **NATIONAL ADVISORY COMMITTEE:**

- **Dr. Madhan Kumar**, CEO, Meta, Bangaluru
- **Dr. T. Devi**, Professor – CSE, Bharathiar University, Coimbatore
- **Dr. P. T. Thambidurai**, Former Professor, Pondicherry University – Pondicherry
- **Prof. N. Srinivasan**, Sr. Consultant, BAzzure (P) Ltd., Chennai
- **Mr. S.V. Karthikeyan**, Delivery Compliance Manager, HCL Technologies, Chennai
- **Dr. Sirajudeen**, Former Principal, Nilgiri College of Arts and Science
- **Dr. Arumugam**, Associate Professor – CSE, Periyar Maniammai University, Thanjavur
- **Dr. Vijayakumar Banga**, Principal, Amritsar College of Engineering & Technology, Amritsar, Punjab, India.
- **Prof. K. Sivaprasad**, Cochin University of Science and Technology, Kerala
- **Dr. J. Kurian 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. Robin Rohit Vincent**, Associate Professor, Computer Science & Engineering, Presidency University, Bengaluru
- **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 - CSE, NIT, Durgapur
- **Dr. Sivankar**, Research Scientist, Jain University, Bengaluru
- **Dr. K. Padmavathy**, Professor – CSE, NIT, Warangal
- **Dr. S. Senthil Kumar**, Professor, Dept. of CSE, Anna University, Chennai
- **Dr. L. Suresh**, Professor, Dept. of CSE, Biosless Mathews II Engineering College, Kollam
- **Dr. P. Sundarl**, Associate Professor, Dept. of CSE, CEG, Anna University, Chennai.

#### **DEPARTMENTAL ORGANIZING COMMITTEE :**

- **Ms. H. J. Shanthy**, Asst. Professor, Dept. of CSE, AMET
- **Ms. C. Abinaya**, Asst. Professor, Dept. of CSE, AMET
- **Ms. Nisha Robin Rohit**, Asst. Professor, Dept. of CSE, AMET
- **Ms. G. Abirami**, Asst. Professor, Dept. of CSE, AMET
- **Mr. P. Karthick**, Asst. Professor, Dept. of CSE, AMET
- **Dr. V. Ganesh**, Asst. Professor, Dept. of CSE, AMET
- **Mr. E. Kanniappan**, Research Scholar, Dept. of CSE, AMET
- **Ms. P.N. Shiammala**, Research Scholar, Dept. of CSE, AMET
- **Ms. D. Chitra**, Lab Assistant, Dept. of CSE, AMET

## **ADMISSIONS FOR THE YEAR 2023-2024 ARE OPEN**

Toll Free Number : 1800 108 3030

Contact for Admission : +91-93443 91418 (Whatsapp)

Email : [admission@ametuniv.ac.in](mailto: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\\_QB0bJmMPLzPQ/](https://www.youtube.com/channel/UC6JzFz1MSE_QB0bJmMPLzPQ/)