

30
Years



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



**INTERNATIONAL CONFERENCE
ON
FOSTERING SUSTAINABLE DEVELOPMENT THROUGH
INNOVATION AND SMART TECHNOLOGIES**

**30th November
2023**

In Collaboration with



ARIIA
ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

**AMET Deemed to be
University**

135, East Coast Road, Kanathur –

The Academy of Maritime Education and Training (AMET) was established in the year 1993 at Chennai, Chennai, and elevated as a Deemed to be University during 2007. AMET is India's first Maritime University for maritime-related education, training, and research. During these three decades of journey, AMET has become a Global Maritime Knowledge Hub which is suitably recognized by both National and International Authorities. AMET is ranked as one among the TOP 3 Maritime Universities of the World in the PIMET ranking by the International Association of Maritime Universities (IAMU). The Directorate General of Shipping (DGS), Ministry of Shipping, Government of India has accredited AMET with Grade A1 (Outstanding) for the past five consecutive terms through its Comprehensive Inspection Programme. AMET serves as an ocean of knowledge for over 5000 students pursuing Programmes ranging from Undergraduate to Doctoral programs through 9 Faculty and many centers for marine and marine-related activities. In addition, the National Assessment and Accreditation Council (NAAC) of India have accredited AMET with A Grade and the National Board of Accreditation (NBA) has accredited selected Engineering and Management Programmes. AMET is also ranked high both in ARIIA and NIRF Ranking by the Government of India. The University is recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR) Government of India. The University is offering joint degrees with world-renowned Universities such as James Cook University, Australia, Edge Hill University, United Kingdom, etc. With specific MoUs from major shipping companies like AP Moller Maersk and V Ships, AMET is providing appointment orders along with admission to meritorious students. Around 22,000 of our passed-out graduates occupy exalted positions in Shipping Companies, globally and proudly sail all over the world spreading the message of the quality education imparted at AMET which made them occupy such coveted ranks in Shipping Companies in India and abroad. For over two decades, AMET is remaining the favorite destination for campus interviews by many shipping giants such as AP MOLLER MAERSK, GOODWOOD, NYK, SONANGOL, VSHIPS, WALLEMS, SHELL, CHEVRON, STENA and so goes a list of over 100 companies.

AMET has a very ambitious vision 2035 plan wherein it aims to be a one-stop solution for all marine-related activities happening around the world and has clearly charted out an action plan to gauge its growth towards its 2035 milestone. With a synergistic attitude prevailing among management, staff, and student, AMET is all set to achieve and sustain a status par excellence.

The conference central theme revolves around leveraging innovation and smart technologies to drive sustainable development. It focusses on the realization of a sustainable solutions in the emerging areas where economic growth and a favorable environment are compatible. It also provides a forum for practicing professional, academicians, researchers to exchange the latest innovations and research advancements in the areas of Sustainable Development Goals. The conference addresses the realization of empowerment and implementation of sophistication of this forum as a knowledge hub for solving urban issues and it also includes plenary sessions and invited talks from eminent researchers on the state of the art in related areas. Young researchers are encouraged to participate and utilize the opportunity to network with others who seek to develop their research abilities and experience. This makes an interaction among researchers, manufacturers, scientists and new entrepreneurs around the world.

CALL FOR PAPERS

Articles 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 article must be accompanied by an abstract and should be prepared as per IEEE template.

The article in MS-word format should be submitted to ecstdg23@gmail.com

PUBLICATIONS

- * All submitted articles will be subjected to a “similarity test” by iThenticate Software. Articles achieving a minimal similarity index i.e., less than 10% will be examined and those are deemed unacceptable will be rejected/withdrawn.

- * Submitted article will be peer-reviewed by the competent reviewers. All registered articles will be published in the proceedings of the conference with ISBN. Extended articles will be published in IEEE Xplore (Scopus Indexed) with additional cost.

TOPICS OF INTEREST

Researchers working in the emerging fields of Engineering, Science, Technology and Management are encouraged to submit their original research findings. ECSTSDG 2023 welcomes original and unpublished research articles in the following topics but are not limited to,

TRACK 1	TRACK 2
EMERGING TECHNOLOGY IN COMPUTING	SUSTAINABLE MANUFACTURING TECHNOLOGIES AND PRACTICES
<ul style="list-style-type: none"> ● Artificial Intelligence & Machine Learning ● Data Science ● Big Data Analytics ● Block Chain & Quantum Computing ● Robotic Process Automation ● Cyber Security ● IoT and Cloud Computing ● Augmented/ Virtual Reality ● 5G & Edge Computing ● Bioinformatics ● Computer Vision ● Wireless Sensor Networks ● Data Mining and Data Warehousing ● Image Processing ● Object Detection and Pattern Recognition 	<ul style="list-style-type: none"> ● Control Systems ● Power Electronics and Drives ● Mechatronics and Robotics ● Power Systems and Smart Grids ● Computational Intelligence and Signal Processing ● Industrial Automation ● Communication Network ● Industrial Internet of Things ● Production, Planning and Control ● Renewable Energy Systems ● Automotive Electronics ● Thermal Engineering ● Refrigeration and Air Conditioning ● VLSI Design ● Sensors and Actuators
TRACK 3	TRACK 4
SMART TECHNOLOGIES IN MARITIME SECTOR	QUALITY EDUCATION FOR SUSTAINABLE DEVELOPMENT
<ul style="list-style-type: none"> ● Ocean Data Management and Analysis ● Maritime Trade and Commerce ● Maritime Security ● Maritime Law ● Blue Economy and Sustainable resources Management ● Marine Navigation and Communication ● Marine Pollution ● Green Shipping ● Autonomous Vehicles & Underwater Robot ● Ship Building Technology ● Off-Shore Energy Resources ● Sustainable Development & E-Governance ● Managing Economic Development and Financial stability towards SDGs. 	<ul style="list-style-type: none"> ● Outcome Based Education ● Digital Learning and Technology Integration ● Curriculum Integration for SDGs ● Youth Empowerment and Best Practices ● Education for Health and Well-being ● Innovative Teaching & Learning Methods ● Global Partnership in Education ● Inclusivity and Diversity ● Resilient Pedagogy ● ICT Enabled education ● Student Centric Learning ● Life long learning

IMPORTANT DATES

Last date for Submission of Abstract - 13th November 2023

Notification of Acceptance - 15th November 2023

Last date for Submission of Full Paper - 20th November 2023

Date of Conference - 30th November 2023

REGISTRATION FEE

Registration Categories	Fee
Industry	₹ 500
Faculty/ Student (UG/PG/PhD)	₹ 500
Foreign Author	\$ 25
IEEE Xplore (Extended Paper Only)	₹ 10,000

PAYMENT DETAILS

Payment of the conference registration fees must be made online through NEFT/RTGS/IMP to the below mentioned bank account. While making online payment, authors are further requested to mention their Article-ID and name in the payment remarks. This will help us to trace your payment in the bank statement.

Beneficiary Name: AMET University

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Mrs. J. Padmapriya, Scientist, DST-WoS B, AMET

For further information kindly contact us at

ecstdg23@gmail.com

&

internationaloffice@ametuniv.ac.in

Mobile no: +91-8870283439; +91-9344036530