



AMET

ACADEMY OF MARITIME EDUCATION AND TRAINING
(Deemed to be University Under Section 3 of UGC Act 1956)

DEPARTMENT OF MARINE ENGINEERING
organizes

International Level Virtual Conference on DISRUPTIVE TECHNOLOGIES IN MARITIME SECTOR: INDUSTRY 4.0

“ICDTMS 2021”

Date: 28th & 29th June 2021

In Collaboration with



In Association with



Institution of Engineers (India)



ज्ञान - विद्यानं विमुक्तये



ARIIA
ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

Academy of Maritime Education and Training (AMET)

(Deemed to be University)

#135, East Coast Road, Kanathur, Chennai - 603 112, Tamil Nadu, India

Website : www.ametuniv.ac.in

About the University :

AMET is India's first Deemed to be University in Maritime Education which is ranked as 3rd among Maritime Universities of the World in the PIMET Performance Indicators in Maritime Education and Training) Ranking of International Association of Maritime Universities (IAMU). Established during 1993, AMET's uncompromising strides of excellence in the field of maritime education and training laced with its capacity to feed the global shipping industry with an unrivalled maritime human resource secured it to have many national and international recognitions, accreditations and rankings such as NAAC, NIRF, ARIIA, DGS-CIP, PIMET, etc.

Vision and Mission of the University

Vision

To sustain identity as a World Class Leader in Maritime Education and empower learners with wholesome knowledge through progressive innovation in training, research and development which will render students a unique learning experience and a transformation impact on the Global Society.

Mission

AMET will strive continuously to

- ✿ Impart value-based higher education and technical knowledge with uncompromising strides of an outstanding quality.
- ✿ Emerge as a Centre of Excellence inculcating skill development in recent technologies in accordance with industrial trends.
- ✿ Create World class research capabilities on par with the finest in the world and broaden student's horizons beyond classroom education.
- ✿ Nurture talent and entrepreneurship to enable all round personality development among students.
- ✿ Empower students across socio economic strata.
- ✿ Make a positive difference to society through technical education.

About the Department :

The Department of Marine Engineering was established in 2001 with an aim to facilitate and promote maritime studies with training to produce a remarkable Engineer officer by imparting skills required to operate and manage machineries in modern ships of merchant marine fleet. Department offers smooth and rapid path of career development for the cadets to qualify till MEO Class IV and Class II certificate on the completion of Mandatory sea-time requirements and Competency examinations. Department is committed to promote innovative teaching learning process, Interdisciplinary studies and research of modern day ships which equipped with propulsion plants, power generating plants, cargo gears and many other service

equipment along with their associated control system and also to safe handle the machines. The Department is proud of its legacy of Alumni who occupies key positions in world class Maritime Sectors.

Vision and Mission of the Department

Vision

To collaborate with global marine community to promote the innovation in maritime studies with a comprehensive approach by using suitable scientific and technological tools and methodologies.

Mission

The Vision of the Department is accomplished by the following mission statements

- ✿ To facilitate and promote advanced knowledge in Marine Engineering by providing infrastructure and research facilities so as to achieve excellence in marine and connected fields.
- ✿ To provide opportunities for the exchange of ideas and practices and upholding the status, standards and knowledge of marine professionals worldwide.
- ✿ To provide a platform for interdisciplinary teaching and research.
- ✿ To collaborate with other Institutions and industries to take appropriate measures for promoting innovations in teaching-learning process, inter- disciplinary studies and research.

About the National Conference :

The International Conference on Disruptive Technologies in Maritime Sector: Industry 4.0 aims in providing a premier interdisciplinary platform for Seafarers, scientists, academic experts, industry peers, research fellows and students to share the latest research and information on recent innovations, practical challenges encountered and solutions adopted in the fields of recent technologies in maritime industries. Future advances in multiple fields of science and engineering will be promoted through quality research. The conference will provide networking opportunities for global collaborations, develop suitable solutions for diverse applications and modern technologies, and help in providing solutions for sustainable development All submitted papers will be reviewed by double blind peer review process to maintain high quality publications in Scopus Indexed Journal.

Thrust Areas :

TRACK 1: SMART TECHNOLOGY

3D Printing, Block chain, E-commerce, Internet of things (IoT), Artificial Intelligence, Cyber-physical systems, Big Data Analytics, Cloud Computing, Underwater Wireless Sensors, Data Mining

TRACK 2: INTEGRATED LOGISTICS MATERIALS AND PRODUCTION

Design and Manufacturing, Computer Aided Design, Applied Mechanics and Design, Instrumentation and Control, Autonomous Vessels

TRACK 3: INDUSTRIAL AUTOMATION

IIoT, Autonomous vehicles, PLC, SCADA, Electric Propulsion, Ship automation, Robotics (underwater, surface, aerial), Biomimetic in robotics, Surface and underwater vehicles

TRACK 4: RENEWABLE ENERGY SYSTEMS IN ONBOARD SHIP

Alternative fuels and renewable energy, Offshore and ocean energy, Energy efficient design and operation, Hybrid power generations, Energy management in ports and shipyards

TRACK 5: METEOROLOGY AND WEATHER FORECASTING

Weather forecasting, Marine meteorology and navigation, Remote sensing applications in meteorology and climatology, Fog observations, modeling, and forecasting, Wind waves and wind-wave-current interaction

TRACK 6: MARINE POLLUTION

Offshore hydrocarbons exploration and exploitation, Material degradation and corrosion, Ocean acidification, Risk analysis, prevention and management, Marine ecosystems and their inhabitants

Call for Papers :

Department of Marine Engineering invites original paper/ research papers not published anywhere from faculty members, professionals, research scholars and students pertaining to but not limited to the trust areas. Selected papers will be published in ISBN proceedings.

Dates to be Remembered :

Last date of Submission of Abstract	- 10 th June 2021
Acceptance Notification	- 12 th June 2021
Submission of Camera ready Paper	- 18 th June 2021
Date of Conference	- 28 th & 29 th June 2021

Electronic Submission :

- ✿ Each author(s) is required to submit full manuscript in only (MS word document) not exceeding 6 pages to icdtmi21@gmail.com
- ✿ The cover page of the paper should contain:
 - ✓ Name of the author(s)
 - ✓ Affiliation
 - ✓ Complete postal address with email id and telephone numbers.
- ✿ Each submission is regarded as an undertaking that, all the accepted papers will be published in the proceedings of the conference with ISBN.
- ✿ As per author's interest, selected papers will be published in SCOPUS Indexed journal on receiving the publication charges.

Benefits:

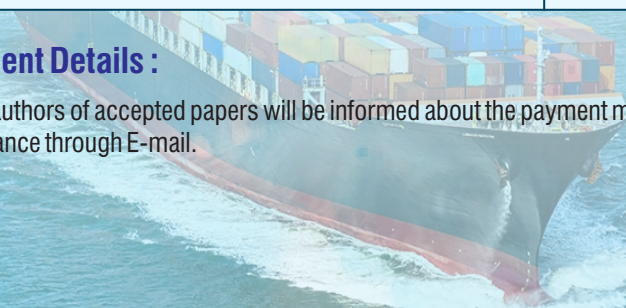
Registered participants will be provided with E-Certificate for Participation / Presentation and Conference Proceedings.

Registration Fee Information :

Registration Categories	Indian Author INR	Foreign Author US\$
Registration Charge: UG / PG / Research Scholar / Academician	₹ 500	\$25
Industry / R &D	₹ 1000	
Co-Author Fees(Certificate Needed)	₹ 500	

Payment Details :

All the authors of accepted papers will be informed about the payment mode details along with acceptance through E-mail.



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ADMISSIONS FOR THE YEAR 2021-2022 ARE OPEN

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