



# AMET

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

**DEPARTMENT OF MATHEMATICS**

*organizes*

**International Conference on  
ADVANCED MATHEMATICAL MODELING  
AND  
COMPUTATIONAL TECHNIQUES**

**ICAMMCT 2021**

**Date: 28<sup>th</sup> to 30<sup>th</sup> June 2021**

**Registration Link:**

<https://forms.gle/4xjuxW9TYLDqBdpV7>

**Google Meet Link :**

<https://meet.google.com/wvr-hmtn-xxs>



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](http://www.ametuniv.ac.in)

## About the University :

Academy of Maritime Education and Training (AMET), a pioneer in maritime studies, is established the year 1993. Through state-of-the-art infrastructure and with quality education, AMET has transformed one of the world class maritime University. AMET University offers a wide range of courses in graduate, post graduate level and doctoral programs which approves by Directorate General of Shipping and University Grants Commission (UGC). Various departments are functioning as research centres carrying out academic, collaborative and funded research leading to patents, publication and innovative products. AMET has obtained ISO 9001:2008 standards Certifications from Det Norske VERITAS, Norway in providing Quality Assurance. Students of AMET University are occupying key positions in world class Shipping Industries.

## 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 Mathematics, at AMET serves as an ideal training ground for learning a broad range of analytical and problem-solving skills. Excellence and commitment are two eyes of the department as it always strives to be the center for excellence in acquiring knowledge and skill required for engineers and technologists. The department functions from the inception of the institution with the present strength of 6 qualified and dedicated faculty

members. Four faculty members are doctorate holders and other faculty members are pursuing their Ph.D degree. Our faculties also conduct research on the best Mathematical and Statistical approaches to problems in a variety of areas.

## About the Conference :

The Department of Mathematics organizes the first International Conference on ADVANCED MATHEMATICAL MODELING AND COMPUTATIONAL TECHNIQUES (ICAMMCT-2021) from 28-06-2021 to 30-06-2021. The Focus of the conference (ICAMMCT -2021) is to provide a stage for academic Research Scholars and Industrialists to exchange the Research findings and new ideas in Mathematical Modeling and Applications. Also, the conference (ICAMMCT - 2021) will provide an opportunity for interactive discussion with experts on Research.

## Important Dates :

Last date for Registration	: 21.06.2021
Last date for full paper submission (Word format)	: 25.06.2021
Conference dates	: 28.06.2021 to 30.06.2021

## Guest Speakers :

### DAY 1 (28.06.2021)

#### 1. Dr. Michael Lyons

Professor and Head of School of Chemistry  
Trinity College Dublin, Ireland.

#### 2. Dr. Marwan Abukhaled

Department of Mathematics and Statistics  
University of Sharjah, Sharjah, UAE.

### DAY 2 (29.06.2021)

#### 1. Dr. Debabrata Datta,

Former nuclear scientist and head  
Radiological Physics & Advisory Division  
Bhabha Atomic Research Centre, Mumbai.

#### 2. Mr. Ahin Banerjee

Mechanical Engineer  
Expert in data science on Kalman filter  
IIT BHU, Varanasi.

### DAY 3 (30.06.2021)

#### 1. Ms. Debanshee Datta

Instrumentation and mechanical engineer  
Expert in simulated data science using Matlab  
IIT BHU, Varanasi.

## Call for Papers :

### GRAPH THEORY

- ❖ Domination
- ❖ Coloring
- ❖ Topological Indices
- ❖ Fuzzy Graph
- ❖ Algebraic Graph Theory
- ❖ Semi Graphs
- ❖ Labeling

### MODELING

- ❖ Numerical Methods
- ❖ Analytical Methods
- ❖ Fuzzy Modeling
- ❖ Simulation
- ❖ Stochastic Process
- ❖ Optimization
- ❖ Operation Research

## SUBMISSION OF FULL PAPER :

All full papers and Proof of registration fee payment should be submitted electronically to **ICAMMCT2021@gmail.com**

Papers presented in the conference will be published in the form of Proceedings with **ISBN**.

### HOW TO APPLY :

The registration of the participants will be confirmed on “First-come-first served” basis. Filled – In application via Google form link should reach the coordinator on or before 09.06.2021 .

**Registration Link :** <https://forms.gle/4xjuxW9TYLDqBdpV7>

**Registration Fee:** Free for participants

### For Paper Presentation

Faculty - ₹ 500/-

Research Scholar / students - ₹ 300/-

### ONLINE TRANSFER :

**Beneficiary Name :** AMET University

**Account Number :** 510101004153171

**IFSC Code :** UBIN0911356

**Bank / Branch :** Union Bank of India, Sholinganallur Branch

**Chief Patrons :**

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

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

**Patron :**

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

**Organizing Committee :**

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

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

**Convener :**

**Dr. L. Rajendran**, HOD & Professor, Department of Mathematics, AMET Deemed to be University, Chennai. E-Mail: hodmaths@ametuniv.ac.in

**Co-ordinators :**

Faculty, Department of Mathematics, AMET

**Student Co-ordinators :**

Research Scholars, Department of Mathematics, AMET

**Advisory Board :**

- ❖ 1. **Professor, Dr. Bandari Shankar**, Osmania University, Hydrabad
- ❖ 2. **Professor, Dr. S. Sundar**, IIT, Chennai.
- ❖ 3. **Professor, Dr. E. Thandapani**, Madras University.
- ❖ 4. **Professor, Dr. A.K. Nandakumaran**, IISc, Bangalore.
- ❖ 5. **Dr. B. J. Gireesha**, Associate Professor, Kuvempu University, Karnataka

**Contact :**

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**+91-8678949152**

**ADMISSIONS FOR THE YEAR 2021-2022 ARE OPEN**

Toll Free Number : 1800 108 3030

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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/](https://www.youtube.com/channel/UC6JzFz1MSE_QBObJmMPLzPQ/)