



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



Anveshan : 2021-22

NATIONAL STUDENT RESEARCH CONVENTION

on 27th and 28th March 2022
at Shri Janakiraman Auditorium, AMET

Jointly organized by
Association of Indian Universities (AIU)
New Delhi - 110 002
&
Academy of Maritime Education and Training (AMET)
(Deemed to be University)
Chennai - 603 112



ARIIA
ATIL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

ज्ञान - विज्ञान विमुक्तये



ASSOCIATION OF INDIAN UNIVERSITIES (AIU),
NEW DELHI



&
ACADEMY OF MARITIME EDUCATION AND TRAINING (AMET),
CHENNAI

Cordially invite you all to the

Inaugural Function of

Anveshan : 2021-22

NATIONAL STUDENT RESEARCH CONVENTION

on Sunday, 27th March 2022 at 9.00 am
at Shri Janakiraman Auditorium

Dr. J. Ramachandran

Chancellor, AMET

will inaugurate and deliver the Inaugural Address

Mr. M. Mahesh Kumar

Deputy Mayor, Chennai

will be the Chief Guest

Dr. R. Srinivasan

Member Secretary, TNSCST

will be the Guest of Honour

Dr. (Mrs) Pankaj Mittal

Secretary General, AIU

will deliver the Special Address

Dr. Amarendra Pani

Joint Director (Research), AIU

will deliver the Theme Address

Dr. Rajesh Ramachandran

Pro Chancellor, AMET

will deliver the Felicitation Address

Col. Dr. G. Thiruvassagam

President, Association of Indian Universities (AIU)
and Vice-Chancellor, AMET

will deliver the Presidential Address



ASSOCIATION OF INDIAN UNIVERSITIES (AIU),
NEW DELHI



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ACADEMY OF MARITIME EDUCATION AND TRAINING (AMET),
CHENNAI

Cordially invite you all to the

**Valedictory Function of
Anveshan : 2021-22**

NATIONAL STUDENT RESEARCH CONVENTION

on Monday, 28th March 2022 at 11.00 am
at Shri Janakiraman Auditorium

Col. Dr. G. Thiruvassagam

President, Association of Indian Universities (AIU)
and Vice-Chancellor, AMET

will deliver the Presidential Address

Dr. R. Velraj

Vice-Chancellor, Anna University

*will be distributing the Prizes & Awards
and deliver the Valedictory Address*

Dr. Rajesh Ramachandran

Pro Chancellor, AMET

will deliver the Chief Guest Address

Programme Schedule

Inaugural Function on 27.03.2022 from 9.00 am to 10.45 am

Guard of Honour

Thamizh Thaa Vaazhthu

Lightening of the lamp

Welcome Address : **Dr.M.Jayaprakashvel**, Registrar, AMET

Theme Address : **Dr.Amrendra Pani**, Joint Director (Research), AIU

Presidential Address : **Col.Dr.G.Thiruvagasam**, President, AIU and Vice-Chancellor, AMET

Special Address : **Dr.(Mrs) Pankaj Mittal**, Secretary General, AIU

Inaugural Address : **Dr.J.Ramachandran**, Chancellor, AMET

Felicitation Address : **Dr.Rajesh Ramachandran**, Pro Chancellor, AMET

Chief Guest Address : **Mr.M.Mahesh Kumar**, Deputy Mayor, Chennai

Guest of Honour Address : **Dr.R.Srinivasan**, Member Secretary, TNSCST

Vote of Thanks : **Dr.D.Rajasekar**, Convener, Dean-Research, AMET

National Anthem

Valedictory Function on 28.03.2022 from 11.00 am to 12.00 pm

Thamizh Thaa Vaazhthu

Welcome Address : **Dr.Deepa Rajesh**, Executive Director, AMET Business School, AMET

Presidential Address : **Col. Dr.G.Thiruvagasam**, President, AIU and Vice-Chancellor, AMET

Convention Report : **Dr.D.Rajasekar**, Convener, Dean-Research, AMET

Chief Guest Address : **Dr.Rajesh Ramachandran**, Pro Chancellor, AMET

Distributing Prizes & Awards

Valedictory Address : **Dr.R.Velraj**, Vice Chancellor, Anna University

Vote of Thanks : **Mrs.V.Sangeetha Albin**, Joint Registrar, AMET

National Anthem



AMET
UNIVERSITY
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Anveshan

National Student Research Convention

27th & 28th March 2022 at AMET Campus

Jointly organized by

Association of Indian Universities (AIU)

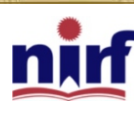
New Delhi - 110 002

&

Academy of Maritime Education and Training (AMET)

(Deemed to be University)

Chennai - 603 112



Preamble

Creation and dissemination of knowledge through research is one of the core functions of the Higher Learning Institutions. Apart from generating new knowledge, the higher learning institutions, particularly the Universities have the responsibility to train the intellectual manpower required for all sectors of the society. Anveshan: Student Research Convention aims at identifying the young and rising talents who would be promoted through proper encouragement and incentives. The endeavour is expected to accelerate scientific research and innovation and their application towards societal development percolating to the grass root level. Initiated in 2007, Anveshan has been applauded across the Country for providing an innovative platform to students and generating a great deal of enthusiasm among the young and emerging breed of researchers in the Country. Nevertheless, the initiative is an attempt to inculcate and strengthen a culture of research in the universities and other Institutions of Higher Learning.

Objectives

- To identify young talents with research aptitude and interest to take up research as career option.
- To promote the research talent throughout the Country.
- To nurture the talent through specialized training and education in some of the Nationally and Internationally reputed premier Institutions of Higher Learning in the Country.
- To augment financial and physical resources through collaboration with different sponsors for supporting education and training of the young researchers.
- To provide proper incentives to enhance the skill of potential students.
- To initiate an intensive research culture in a selected group of institutions.

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, rankings such as NIRF, ARIIA, DGS-CIP, PIMET and accredited by NAAC 'A' Grade.

About the Association of Indian Universities (AIU)

Association of Indian Universities (AIU) has a legacy of more than 97 years. Started as an Inter-University Board (IUB) of India on March 23, 1925 and renamed as Association of Indian Universities (AIU) in 1973. Since its inception, AIU is actively engaged in the growth and development of Higher Education in India. The membership of AIU includes all types of universities e.g. Conventional Universities, Open Universities, Deemed to be Universities, State Universities, Central Universities, Private Universities and Institutes of National Importance. In addition to Indian Universities, Universities/Institutes from Bangladesh, Bhutan, Republic of Kazakhstan, Malaysia, Mauritius, Nepal, Thailand, United Arab Emirates and United Kingdom are its Associate Members. Association of Indian Universities (AIU) is working towards imbuing the National Spirit among the academic fraternity especially the students. AIU is organizing various programmes and implementing diverse schemes to promote overall quality and standards in higher education system of India by means of promotion of research, collaboration and integration among the Universities in India.

About Anveshan

With a view to inculcating research culture in our Higher Education Institutions, the Research Division of Association of Indian Universities has taken a pioneering initiative to organize Student Research Conventions for the aspiring researchers throughout the Country. These Conventions aims at identifying the young and rising talents who would be promoted through proper encouragement and incentives. Also, an attempt shall be made to commercialize their research projects by providing a structure avenue for industrial collaboration. The endeavour may accelerate scientific research and innovation and their application towards community development percolating to the grass root level.

Anveshan is guided by two principal objectives: firstly, to identify young researchers with research aptitude and interest and to motivate and support them for taking u research as a career option; secondly to identify fresh talents with unconventional and innovative ideas and channelize them into research that would contribute to creating a solid core of knowledge workers and simultaneously solving the day to day problems by finding dynamic and possible solutions.

Research Areas / Fields

The areas/fields in which Projects (Individual and Group Projects) are invited are: -

- ⦿ Agriculture Sciences & Allied fields
- ⦿ Basic Sciences
- ⦿ Engineering & Technology (Big Data Analysis, Data Science, Artificial Intelligence, Machine Learning, Virtual Augmented Realities, 3D Printing, Robotics, Marine Engineering)
- ⦿ Health Sciences and Allied Subjects, Pharmacy, Nutrition, etc.
- ⦿ Social Sciences, Humanities, Commerce and Law (Objective and Result Oriented Projects)

In case of a Group project, only three members [one principal investigator and two major contributors] are allowed to participate in the National Convention.

Structure / Nature of the Project

Projects on the above-mentioned areas must be original and must have undergone some exploration/ ground work in order to show its feasibility and impact.

- ⦿ The duration of the convention will be **two days**.
- ⦿ The convention will be held in **two phases**.
 - i. In the **First Phase**, all Universities in the Country will be requested to organize an exhibition of research projects at **University level** in which students from **Affiliated/Constituent Colleges, Research Institutions and University Postgraduate Departments** will be invited to participate. The exhibited projects will be scrutinized by a team of experts of their respective areas.
 - ii. In the **Second Phase**, the exhibition/competition will be held at **National level**. The Association of Indian Universities will call for the successful projects at University Level for National level convention. A total of three projects will be finally selected for award of cash prizes. In addition to the First, Second and Third positions, cash awards will also be given to two Best projects from each zone

Number of Projects

- ⦿ Each university is allowed to send a maximum number of five projects for the National level Student Research Convention, preferably one from each category.
- ⦿ In case, any Universities/Institute do not offer courses/programmes in all five categories/area/fields mentioned they can send total five projects from the areas/fields of their choice in different sub-fields. For example: Agricultural University may send Five projects under different sub-fields of Agriculture category
- ⦿ The selected projects duly countersigned and forwarded by the Head of the Organization must reach Dr.D.Rajasekar, Coordinator of the National Research Convention.
- ⦿ The projects will be assessed by a panel of Experts drawn from various disciplines on the basis of laid down criteria for assessment. The students whose projects will be selected in the final stage at National Level Convention will be promoted though proper incentives for career development in research.

Criteria for Assessment and Weightage

The final selection of projects will be based on the cumulative weightage given on all criteria.

• Scientific Thoughts and Principles	20	• Skill	10
• Creativity	20	• Cost Effectiveness	10
• Relevance	20	• Teamwork	10
• Scalability	10		

Apart from the above criteria, **Scope of Commercialization** of the projects will be considered as an **additional merit**. However, there will be no weightage point for this criterion. In case of the projects having scored equal cumulative weightage point, this criterion will be considered for making the final decision. In case of Individual Projects, the assessment will be made by including the weightage point 10 assigned for team work.

Instructions to the Participants

Eligibility for Participation

Entries of the research projects will be purely Institutional and only Bonafide Fulltime Students/Research Scholars from Undergraduate to Doctoral Degree level are eligible to take part in the convention. Those who are below 30 years of age are only eligible to take part in the convention.

How to Register

The Registration Fee for National Level competition in the form of Demand Draft or through Online payment	
Registration Fee	Rs.500 (Per Project)
Demand Draft drawn in favour of Host University	AMET UNIVERSITY, PAYABLE AT CHENNAI
Online Payment	Beneficiary Name : AMET University Account Number : 510101004153171 IFSC Code: UBIN0911356 Bank / Branch : Union Bank of India, Sholinganallur Branch
The Registration form should be sent to the Coordinator of the Organizing University under intimation to AIU.	
Communication Address	Dr.D.Rajasekar, Coordinator, Anveshan 2022 Dean - Centre for Research, AMET Deemed to be University Kanathur, Tamil Nadu 603112 Phone No: +91 9941007767, E-mail:- anveshanamet@gmail.com
Last date to send the selected projects to anveshanamet@gmail.com is on or before March 5th, 2022 .	
The Convention has been selected to be held in PHYSICAL MODE during March 27th & 28th, 2022	
Registration Link	https://forms.gle/MGMKJma6Hc9CBe2LA

Award and Incentives

- Winner in the Anveshan-2022 National Student Research Convention are awarded cash prizes along with certificate and mementos.
- One best project will be selected across all the five categories which will be awarded a **Gold Medal** along with the cash Prize and certificate.
- For each Zone two best projects will be selected and prize money will be awarded.

Important Information to the participants

Transport

- Participants are requested to join the WhatsApp group by clicking the link <https://chat.whatsapp.com/IQsEbk1xwuc46WYyE6syFap> for further update.
- The University is located in the sub urban of Chennai, on the East Coast Road, Midway between Thiruvamiyur and Kovalam, Chennai.

Accommodation

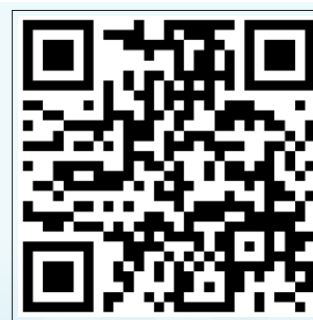
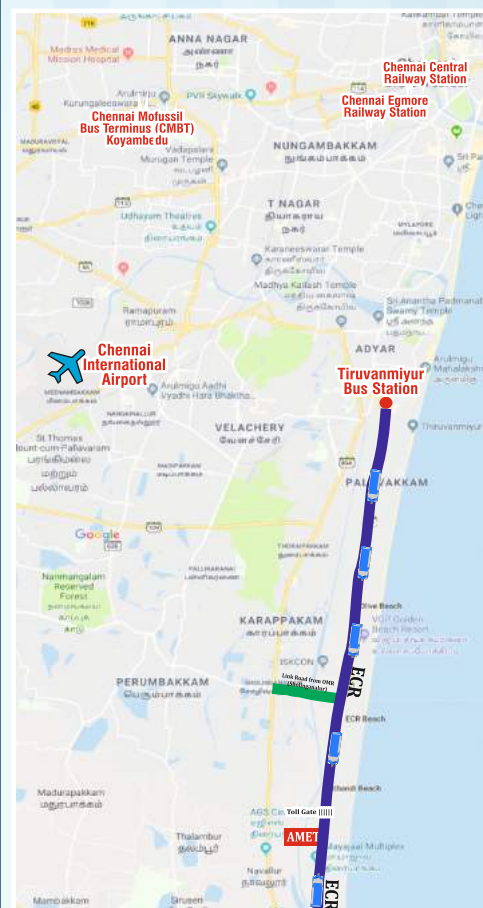
Outstation Participants will be provided with free accommodation in the University campus commencing from 26th March, 2022, and will be required to vacate the accommodation upon completion of their programme. Accommodation is not available to local participants.

- Each participants has to pay Rs.1000/- (One Thousand only) as caution deposit, which shall be refunded at the time of departure of the participants adjusting the cost of the damages, if any.
- Accommodation will be provided to the participants only.
- Participants are requested to bring their own lock & keys for the safety of their belonging.

Important Note

- All the Participants should bring their University Flag compulsory for attending March past, on 27th March 2022 at 8.30 am.
- Registration : 9.00 am onwards on 27th March 2022
- Valedictory Function will be held at 11.00 am on 28th March 2022
- The participating students must carry their Identity cards issued by their respective University/College.
- Last date for registration will not be extended.
- Those who are requiring accommodation should contact the Coordinator immediately.
- Rules regarding the presentation of the projects will be strictly enforced.
- Covid vaccination certificate (Double dose) is mandatory.
- Wearing Mask inside the campus is mandatory to all the participants.
- The Participants are requested to co-operate with the Organizing Team for the smooth conduct of the program.
- Participants are responsible to maintain proper discipline till the end of the program.

How to reach AMET University



For Contact

If you have any queries, you may contact through E-mail id anveshanamet@gmail.com Or through Phone:

S.No.	Name	Committee	Mobile Number
1.	Dr. D. Rajasekar	Convenor & Coordinator, Anveshan 2022,	+91 9941007767
2.	Dr. Usha Rai Negi	AIU Coordinator	+91 9711279606
3.	Dr. R.Vettri Selvan	Accommodation	+91 9788161399
4.	Mr. M.Kannan	Transport Manager	+91 9383350111

Organizing Committee

Chief Patron

Dr. J. Ramachandran, Founder and Chancellor, AMET Deemed to be University, Chennai

Patrons

Col. Dr. G. Thiruvassagam, Vice Chancellor, AMET Deemed to be University, Chennai

Dr (Mrs) Pankaj Mittal, Secretary General, Association of Indian Universities (AIU), New Delhi

Programme Head

Dr. M. Jayaprakashvel, Registrar i/c, AMET Deemed to be University, Chennai

AIU Convenor

Dr. Amarendra Pani, Joint Director, AIU Research Division, New Delhi

AIU Coordinator

Dr. Usha Rai Negi, Assistant Director, AIU Research Division, New Delhi

Phone No: +919711279606 E-mail:- researchaiu@gmail.com

Host University Convenor & Coordinator

Dr. D. Rajasekar, Dean, Centre for Research, AMET Deemed to be University, Chennai

Advisory Committee

Dr. R. Muthezhilan, Controller of Examinations, AMET Deemed to be University, Chennai

Dr. T. Sasilatha, Professor and Dean, Department of Electrical and Electronics Engineering,
AMET Deemed to be University, Chennai

Mr. M. S. P. Raju, Professor and Head, Department of Naval Architecture and Offshore Engineering
AMET Deemed to be University, Chennai

Dr. J. Rengamani, Professor, AMET Business School, AMET Deemed to be University, Chennai

Organizing Secretaries

Dr. N. R. Ramkumar, Dean-Students Welfare, AMET Deemed to be University, Chennai

Dr. R. Vettriselvan, Assistant Professor, AMET Business School, AMET Deemed to be University, Chennai

Dr. Dr. D. Helen, Assistant Professor, Department of Commerce, AMET Deemed to be University, Chennai

Mrs. R. Divya Ranjani, Assistant Professor, AMET Business School, AMET Deemed to be University, Chennai

Registration Form

Name of the Participant	
Date of Birth	
Father/Guardian's Name	
Name of the University/College/ Institute where studying	
Name of the University to which the College is affiliated	
Name of the Zone (please tick)	(1) North (2) South (3) East (4) West (5) Central
Nomenclature of the Degree (for which enrolled)	
Discipline & Present year of study	
Permanent Address	
Address for Communication (please specify the mobile number and email id)	
Title of the Project	
Faculty & Subject Area	
Date of Commencement & Completion of the Project	
Application/ Outcome of the Project (if any) : Yes <input type="checkbox"/> / No <input type="checkbox"/> If Yes, mention briefly about the nature of Application	
Has the project been sent for some other competition/sponsorship earlier? Yes <input type="checkbox"/> /No <input type="checkbox"/> If Yes, mention place and date Accommodation required: Yes <input type="checkbox"/> / No <input type="checkbox"/>	
Payment Details	
Paid Rs..... by Demand Draft / Online PaymentDated..... Details.....	

Date.....

Signature of Candidate

Signature with Seal of the Competent Authority

Guidelines for the Participant

- Projects should be original and based on new/innovative ideas and must have undergone some exploration and ground work to prove its feasibility and show impact.
- The Projects are invited in Five Categories/areas – i) Agriculture Sciences ii) Basic Sciences, iii) Engineering & Technology, iv) Health Sciences and Allied Subjects, Pharmacy, Nutrition, etc. v) Social Sciences, Humanities, Commerce and Law (Objective and Result Oriented Projects).
- In case of a Group project, only **three members** [the principal investigator and two major contributors] are allowed to participate in the national convention. But, only **one member** will be allowed for presentation.
- Entries of the research projects will be purely INSTITUTIONAL and only BONAFIDE fulltime Students / Research Scholars from Undergraduate to Doctoral Degree level are eligible to take part in the convention.
- The Projects can be presented in the form of **live demonstrations / models / posters / podium (oral) presentation in any aforementioned areas / fields.**
- Each university is allowed to send a maximum number of **five projects** for the **National Level** Student Research Convention.
- The duration of the convention will not exceed two days, unless the situation so warrants.
- The projects will be presented in **three rounds**. In the **first round** the participants will display their projects in poster presentations (**Size of Posters - 1m X 1m**) before a panel of judges. If selected in the first round, the project will be allowed for podium and oral presentation before the panel of Judges in the **second round**. In the **third Round** the presentation will be open for question-answer.
- All the participants are requested **bring your hard copy of poster design and submit to the AMET University on 26th March 2022 also model of your poster design for demonstration.**
- AMET University will provide the required infrastructural facilities like Display / Mounting Boards, space for display, LCD/ overhead projector, etc., required for presentation. In case any special assistance is required the participants may request the Coordinator of the AMET University for the same at least three days before the Convention starts.
- Total time allowed for oral/podium presentation is 10 minutes. **Seven Minutes** for presentation and **Three Minutes** for question-answer.
- AMET University will provide accommodation, Breakfast, working lunch and dinner to the participants and their team members (**not more than three**) **free of cost.**
- Certification of Participation and mementoes with endorsement of both AIU and AMET University will be issued to all the participants.
- The decision of judges will be final and binding on all participants.

Poster details Poster size 1X1 meter	Title: Area/Field/Category: Not mention your Name & Department
	<h2 style="margin: 0;">Description of your project</h2>
	Conclusion of the project

Sample for Poster Presentation