



**AMET**  
ACADEMY OF MARITIME EDUCATION AND TRAINING  
(Declared as Deemed to be UNIVERSITY u/s 3 of UGC Act 1956)

**CHENNAI • INDIA**

## PROSPECTUS 2016 - 2017



# PROSPECTUS

## 2016 - 2017

### AMETians in Enviably Position & Exorbitant Salary



Mr. Karthikeyan.S (11<sup>th</sup> Batch-B.E. Marine Engineering) 4<sup>th</sup> Engineer  
in M/s.Frontline Ltd., Bermuda



Mr. Raghav Malhotra (8<sup>th</sup> Batch -B.Sc. Nautical Science), 2<sup>nd</sup> Officer  
in M/s.Stena Bulk, Sweden



Mr. Janakiraman Devaraj (3<sup>rd</sup> Batch-M.B.A. Shipping and Logistics Management)  
District Sales Manager at M/s.Diamond Shipping Services LLC., Dubai





# Marine & Maritime Education in AMET

## Maritime Education

### Seagoing (DGS)

- Marine Engineering
- Nautical Science

### Non-Seagoing (UGC)

- Naval Architecture
- Harbour & Ocean Engineering
- Petroleum Engineering
- Mining Engineering
- Electrical & Electronics Engineering
- Mechanical Engineering
- Oil & Gas Management
- Shipping & Logistics Management
- Food Processing Technology

## Marine Education

### Non-Seagoing (UGC)

- Marine Biotechnology



# Contents

Programmes Offered & Degree Awarded	- 4
Short Overview	- 5
Recognition & Accreditation	- 7
President Speaks	- 8
Chancellor's Message	- 9
Vice Chancellor's Message	- 10
International Board of Advisers	- 11
Vision and Mission	- 12
Grade A1 - Outstanding Accreditation by DGS	- 13
Very proud to be member of the IAMU	- 14
Royal Institution of Naval Architects Accreditation	- 15
National and International Academic & Research Collaborations	- 16
Department of Nautical Science	- 17
Department of Marine Engineering	- 19
Department of Mechanical Engineering	- 23
Department of Naval Architecture & Offshore Engineering	- 25
Department of Petroleum Engineering	- 27
Department of Harbour & Ocean Engineering	- 30
Department of Electrical and Electronics Engineering	- 32
AMET Business School	- 35
Department of Marine Biotechnology	- 40
AMET Centre for Research & Development	- 43
Department of Chemistry	- 44
Department of Physics	- 44
Department of Mathematics	- 44
Department of Marine Information Technology	- 44
Department of Physical Education	- 45
Department of English	- 46
AMET Centre for IELTS (ACFI)	- 47
Department of Career Development - Placement	- 48
State of the Art - Library	- 51
Fifth Convocation	- 52
Residential Facility	- 53
AMET Trust	- 54
Academic Governance at AMET	- 56
Awards at AMET	- 62
International Students at AMET	- 63
Distinguished Visitors at AMET	- 64
International Seminars	- 65
Sports & Culturals at AMET	- 66
Extension Activities	- 67
AMET Alumni Association - A3	- 68





## Programmes Offered & Degree Awarded

### Under Graduate Programmes

B.Sc. Nautical Science (3 Years)	18
B.E. Marine Engineering (4 Years)	20
B.E. Mechanical Engineering (4 Years)	23
B.E. Naval Architecture and Offshore Engineering (4 Years)	25
B.E. Petroleum Engineering (4 Years)	28
B.E. Mining Engineering (4 Years)	28
B.E. Harbour and Ocean Engineering (4 Years)	31
B.E. Electrical and Electronics Engineering-Marine (4 Years)	33
B.Tech. Food Processing Technology (3 Years)	40
B.B.A. Shipping (3 Years)	36
B.Com. Logistics and Computer Applications (3 Years)	39

### Post Graduate Programmes

M.Tech. Petroleum Engineering (2 Years)	29
M.Tech. Naval Architecture and Offshore Engineering (2 Years)	26
MBA Shipping and Logistics Management (2 Years)	37
MBA Oil and Gas Management (2 Years)	38
M.Sc. Marine Biotechnology (2 Years)	41



## Short Overview

AMET University, located at Kanathur, just half an hour drive from Chennai, on the breezy shore of the Bay of Bengal, is a state-of-the-art University devoted to imparting maritime knowledge and training to cadets and students.

Established as a Private Maritime Institute through AMET Trust with just 14 cadets in 1993, AMET has, through its uncompromising strides of excellence and ambitious zeal to serve the students and nation, morphed into the first university for maritime education in India with a strength touching upon a proud 3000 enrolled in different intensively maritime and marine related UG and PG programmes as detailed inside. Now, AMET-trained Seamen sail proudly throughout the world spreading its popularity and quality training made possible through the following academic and professional strengths:

Graduates from our School of Marine Engineering, School of Nautical Science, School of Electrical Engineering, School of Offshore Engineering, School of Naval Architecture and AMET Business School occupy important positions in industrial houses throughout the world.

### Academic

- Creatively integrated Maritime Curriculum meeting the physical, intellectual and professional needs of the cadets and the students.
- Maritime Courses which include Marine Engineering, Nautical Science, Pre Sea Training for Graduate Mechanical Engineers have found favour with our cadets interested in a career with the Merchant Navy.
- Maritime related courses such as Naval Architecture, Petroleum Engineering, Harbour and Ocean Engineering etc. have been designed keeping in mind industry requirements.
- Management Programmes such as Shipping & Logistics, Oil & Gas Management are tailor made to address emerging issues in this dynamic sector.
- Qualified, experienced and committed academic faculties.
- Teaching through advanced technological aids.





- Uncompromising, quality-ensuring yet student-friendly autonomous evaluation system headed by a Controller.

### Infrastructure

- LCD and OHP supported smart classrooms, resourced labs and ambient technical workshops.
- Providing the second best experience of 'sealing before sailing' through sophisticated Ship Simulator, Ship Replica (AMET Jewel) and Swimming Pool crisis - rehearsals.
- A state of the art TRIBON Software lab and DNV Sesam Software for Naval Architecture Students.
- A spacious air conditioned hostel, with national and international cuisines.
- Gymnasium furnished with international fitness equipments and supplemented with qualified trainers.
- Medical Care and Recreational facilities.
- AMET Band
- High speed Wi-Fi Internet connection on the campus.
- A well equipped digitalized '9-9' open accessed library with plenty of books and international maritime journals and newspapers and a help-desk manned by ready-to-help librarians.

### Discipline

- Morning drills, parades and flag hoisting to instill discipline, team spirit and leadership qualities.
- Zero tolerance against ragging.
- Student counseling through 'mentor' system and qualified counsellor.

### Extracurricular

- Professional sports and recreational activities efficiently managed by well qualified physical directors.
- Inspiring encouragement and patronage to cultural to bring out the creativity, latent talents and histrionic skills of the students.

### Placement

- Generating 100% placement from global shipping giants, shipyards, ports, dredging companies etc.
- JJ (Job on joining) is an AMET routine.
- Students' employability - enhancement through communication-enrichment effectively done by English and Soft Skills Departments.
- IELTS training

### Invitation to AMET

- With the sensitive and caring management, dedicated faculty and staff, consistent infrastructural upgrading and its relentless commitment to professional excellence, students' reservation and Maritime Research and publication, AMET is fast evolving as a resource center for maritime education and training. And it is going to be an exciting experience to 'pre-sea train' at AMET.
- Skill Development is mandatory to join the course and obtain degree. To make the students employable & morally fit to become a degree holder of AMET University, value addition Programmes like Communication Skills, Internship, Physical Education (Yoga & Meditation) and any one of the Foreign Languages are compulsory
- Join AMET. We will take care of you and your future.

# RECOGNITION AND ACCREDITATION

## RECOGNITION



AMET University has been recognized by Director General of Shipping (DG Shipping) for conducting Marine Engineering and Nautical Science Courses.



AMET has been conferred with Deemed University Status under De Novo category on August 2007 by University Grants Commission as per Sec.3 of UGC Act, 1956.



AMET University is certified to ISO 9001:2000 QMS Standard by Det Norske Veritas for Design, Development and Conducting Maritime Training Courses, Programmes, Examinations and Assessments.



The National Assessment and Accreditation Council (NAAC) an autonomous institution of the University Grants Commission has assessed AMET and accredited with B Grade during November 2015. The accreditation is an indication of standards of quality as set by the NAAC and valid for a period of five years from 16-11-2015.

## ACCREDITATION

Accreditation by approving agencies is a stamp of quality. AMET University in pursuit of uncompromising quality in every endeavor has obtained accreditation by various agencies such as CRISIL, RINA (Royal Institute of Naval Architects, WMU (World Maritime University Sweden).

Director General of Shipping, Govt. of India is conducting accreditation/grading process through Det Norske Veritas- Germanischer Lloyds (DNV-GL) for all the Institution of Maritime Education of India. Det Norske Veritas- Germanischer Lloyds (DNV-GL) world renowned Classification society bestowed the highest Grade A1 (Outstanding) to AMET UNIVERSITY after intensive inspection for the Comprehensive Inspection Programme (CIP) conducted under the authority of Director General of Shipping, Government of India.

Royal Institution of Naval Architects is a world renowned and highly respected international professional institution and learned society whose members are involved at all levels in the design, construction, maintenance and operation of all marine vessels and structures. RINA has members in over ninety countries, and is widely represented in industry, universities and colleges, and maritime organizations world-wide. The Naval Architecture program at AMET University has the distinction of getting accredited with the highest rating by RINA.

Credit Rating and Information Services India Limited (CRISIL) is a global analytical company providing ratings, research, and risk and policy advisory services. CRISIL has awarded the highest rating for the Maritime courses. AMET University is achieving highest appreciation by CRISIL every year. AMET's quality training and professionalism has been recognized in the form of Awards and Agreements like Sailor Today Training Award, Seatrade Asia Awards, MoU with Danish Maritime University etc.

Collaboration with Various Global Maritime Institutions and Universities, strong and goal oriented industry institute-interface and increasing international student's enrollment lend an additional impetus and vibrancy to the already robust AMET. Recently AMET has signed a Memorandum of Understanding with World Maritime University, Sweden

The quality and standards of all programs conducted at AMET University are certified on the basis of inspection carried out under ISO 9001:2008 by DNV





## President Speaks

Welcome to AMET University--the first Maritime University in India which is NAAC accredited, ISO certified, CRISIL rated-A, CIP Grade A1, and internationally acclaimed by the Maritime, Oil, Ocean Engineering, Bio-tech, and Logistics industries. While on the one hand there is a huge demand for qualitatively trained, skilled, and troubleshooting manpower; on the other hand, the youngsters are aspiring a challenging career. The twain shall meet! Yes, meet at AMET.

In this career-focused context, the greatest challenge is making a choice, particularly, a choice related to career oriented course. Once they make it, their next choice is an institution where they can be groomed to pursue it. AMET is the choice for them as it is the place for redefining development, taking responsibility for change. AMET is dedicated to the best possible education for a talented and diverse student folk.

In over two decades of its standing AMET has emerged as the best because of its: a) Expert faculty, b) State-of-the-art infra-structure, c) A system in place for Total Quality Management, d) An unbeatable track record of qualitative placements with top shipping companies, e) An alumni that are at the helm in the industry, and, finally, d) A contented community of parents who are basking in the success of their decision.

AMET has internationally collaborated with reputed Universities in UK & Belgium. And there has been a galore of awards that prove the reasons for being the best.

AMETians can run a ship, chart its course, can study the waves and design breakwater to protect a beach or harbor from big waves, can dredge and design ports, can operate the logistics, can design and build any floating object from a yacht to a submarine to a warship to an offshore oil-rig. They learn to rig oil, design an oil-well, and construct a reservoir; this list if not exhaustive, is just a brief of what they are being trained for. It is the sea related courses which grew stronger bonds between the student community and AMET in the past; new possibilities of the sea offer us new possibilities for the future. The extra-curricular activities bring in a holistic growth in them.

The student exchange programme with University of Ghent (Belgium, France), the twinning courses with Glasgow College (UK), South Tyneside College (UK), and Strathclyde University (UK), and the accreditation of Naval Architecture Course by Royal Institution of Naval Architecture are indicators of AMET's collaborative acumen. These international accreditations make the students eligible to get a job anywhere in the world irrespective of their nationality. Besides, the numerous awards for the leadership in Qualitative Maritime Education stand as proof of our respect for benchmarks.

I cherish the sojourn of the top shipping Companies in the world that have been visiting AMET for recruiting cadets year after year, and also sharing valuable feedback to put us on our toes to help us out-benchmark the benchmarks. 'change is constant', they say; but I say, 'change is quality'. Attitude-Making Empowering Transformation is what AMET has been striving to do since choosing quality. I appreciate the choice of every student aspiring to join AMET as it has proven itself as a springboard for success. I welcome you to join us to bring in changes – that is the need of the hour. Join us as agents and innovators of change – for that is what is required.

Dr. J. Ramachandran  
President - AMET Trust

## Vice Chancellor's Message



India continues to be a major source for the supply of skilled seafarers to global shipping industry. Technological and regulatory changes experienced by the shipping industry over the last couple of decades have left a lasting impact on Maritime Education and Training (MET). The key drivers of changes have been Information Technology, Communication, Ship-shore connectivity and Satellite Navigation. Consequently, the expectations of employers too have changed significantly. Greater demands are placed on today seafarers in terms of competencies, technologies and regulations. Added to the list are concerns about terrorism and piracy. Cumulatively, these demands and concerns impact upon contents and quality of education and training at all levels in an unprecedented scale.

AMET University with a pool of well experienced faculty to its fold imparts the cadets by incorporating changes to meet out the demand and requirements of the Shipping Industries. Curriculum of all the disciplines have been updated and industrial exposure ensured through compulsory Industrial Visit, Internship, etc., besides state of infrastructure like Engine Simulator, Ship in Campus, various software, etc.

As an acknowledgement for the quality education and training imparted at AMET University, A.P.Moller's MAERSK identified our University as their favorite destination for placement in India, recruiting the cadets in large number, including the first year cadets. Further, International Shipping giants Industries like – MOL, Asian-Alliance, Prime Oceanic, BW Maritime, Goodwood Ship Management, Data Tracts, Newage Logistics, Kuehne+Nagel, All Cargo, Northern Marine Management, NYK, Bharat Logistics, etc. are regular visitors to AMET University for the purpose of recruiting several hundred students for their establishments.

Students who have the ambition of becoming successful seafarers with the target of occupying coveted positions like Captain and Chief Engineers in International Flag Ships are groomed by AMET University to transform their ambition into a reality and help them grow and glow in their marine career.

Wish you all best of Luck.

Col. Dr. G. Thiruvassagam





## INTERNATIONAL BOARD OF ADVISERS



**Capt. Ib Fruergaard**  
Managing Director, Mari-time Solutions  
(Singapore) Pte Ltd. (0065-8383-0050)  
lb.fruergaard@mari-time.com



**Paulino Baiona**  
Manning Director,  
Sonangol Shipping  
Angola



**Capt. Rajesh Tandon**  
Managing Director V Ships, India,  
rajesh.tandon@vships.com



**Capt. Abhijit Chattopadhyay**  
Director & CEO,  
Mitsui OSK Lines Marine (I) (P) Ltd.,  
Mumbai (022 - 6646 7000)  
abhijit.chattopadhyay@molmi.com



**Captain Ajay Wagle**  
Head Global Cadet Administration,  
Maersk Line Crewing,  
Singapore



**Mr. Satoru Kuboshima**  
President, K-Line Ship Management,  
Japan  
kuboshima.satoru@klsm.jp.kline.com



**Capt. G. Ramaswamy**  
Chief Executive Officer,  
Sea Team Management (India) Pvt. Ltd.,  
(Front Line Group, Norway) India  
captgramaswamy@gmail.com



**Mr. Rajaish Bajpae**  
COO, Bernhard Schulte  
Shipmanagement, Hong Kong  
rajaish.bajpae@bsshipmanagement.com



**Capt. Navin Passey**  
Managing Director  
Wallem Ship Management India



**Mr. Lars Modin**  
President & CEO  
International Tanker Management Dubai





## Vision & Mission

### 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.

### Quality Policy

AMET is committed to provide the highest quality in education and be the most preferred institution for pursuing marine and marine related courses.

This will be achieved by consistent focus on:

- Providing a conducive, vibrant, progressive and enriching learning atmosphere.
- Teaching Excellence and Research Output.
- Global outlook and engaging with the world through learning, teaching and research.
- Providing competitive advantage in gaining employment for further academic opportunities.
- Maintaining excellent links with commerce and industry both national and international.
- Complying with all applicable requirements and continually improving the effectiveness of Quality Management System.





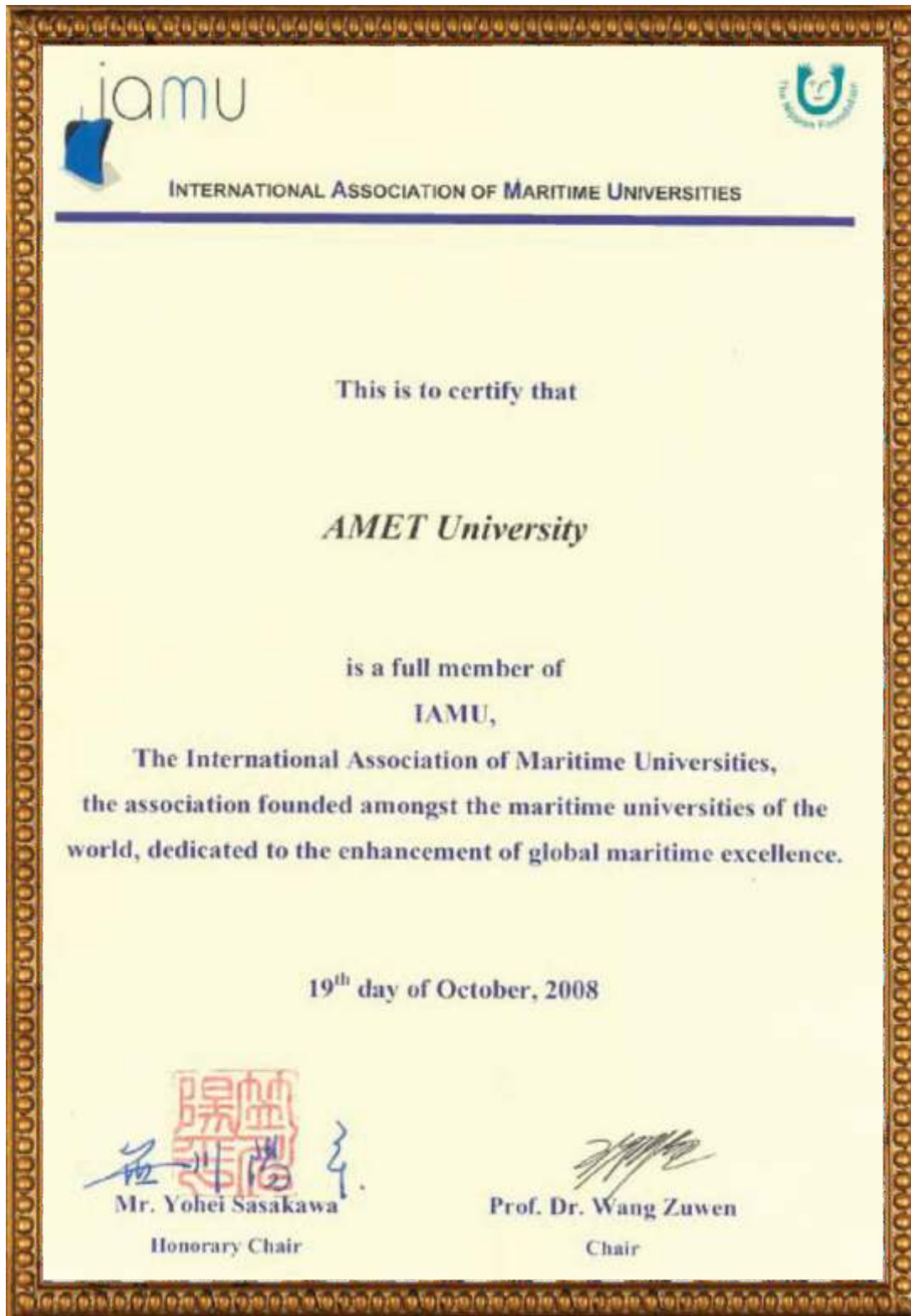


# GRADE A1 - OUTSTANDING

## Accreditation by Director General of Shipping

DNV GL	
Certificate No. 00262-14-CIP05-Mumbai	DNV GL - Maritime 308, Trade Centre, Kurla-Bandra Complex, Mumbai 400051, India Tel: +91 22 61406789 Fax: +91 22 61406767 www.dnvgl.com
<b>CERTIFICATE OF INSPECTION</b>	
This is to state that <b>AMET University</b> Address: 135, East Coast Road, Kanathur, Chennai-603112, India is conducting the following approved Pre sea courses:	
BE (Marine Engineering) B.Sc (Nautical Science) Graduate Mechanical Engineer (GME) Electro Technical Officer (ETO)	
The institute has been inspected as per the Comprehensive Inspection Programme Guidelines of the Director General of Shipping, issued vide DGS Order No. 25 of 2013 dated 31.12.2013, and it is certified that:	
<ol style="list-style-type: none"><li>1. The Institute meets the training requirement criteria as required under the STCW Convention, as amended in 2010.</li><li>2. The Institute complies effectively with all applicable Merchant Shipping Rules, and other associated orders, circulars and guidelines issued by the Directorate General of Shipping.</li><li>3. The Institute implements and maintains a quality system, in accordance with the ISO or equivalent standards, as per the requirements of the STCW convention</li><li>4. The Institute has been assigned <b>Grade A1 (Outstanding)</b> for three years from date of issue of this certificate on the basis of Inspection as carried out on 15th &amp; 16th July 2014, subject to Annual Inspections/Endorsements shown overleaf.</li></ol>	
Validity of the Certificate:	19 <sup>th</sup> August 2017
This certificate is issued based on inspection date:	16 <sup>th</sup> July 2014
This Certificate is issued under authority of The Directorate General of Shipping, Govt. of India.	
 Piyush Raj	 Mumbai, 2014.08.20

Very proud to be a member of the IAMU





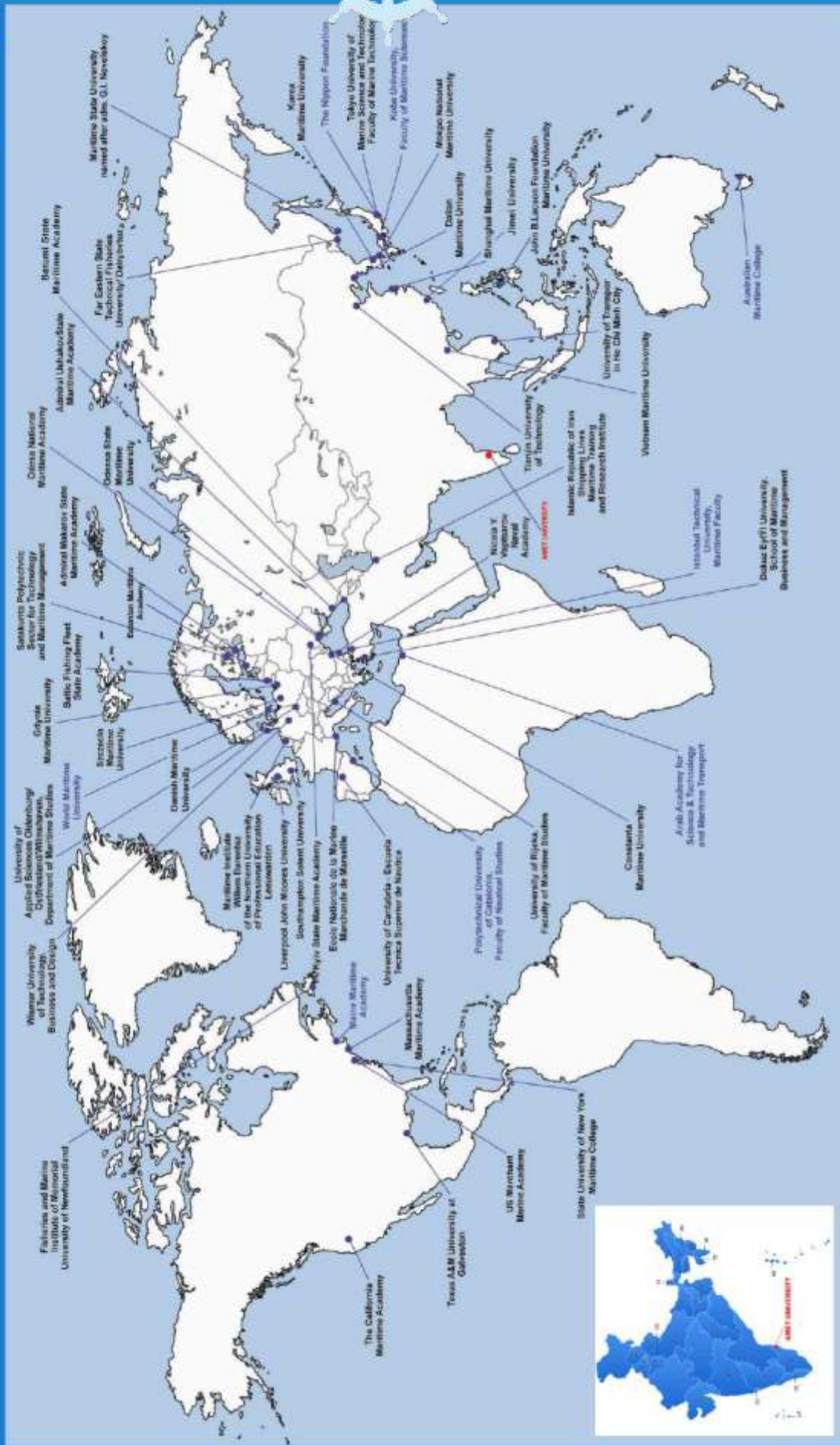
# ROYAL INSTITUTION OF NAVAL ARCHITECTS ACCREDITATION

For our Naval Architecture and Offshore Engineering Programmes





# 35 Member Universities of International Association of Maritime Universities (IAMU)









## DEPARTMENT OF NAUTICAL SCIENCE

### Department of Nautical Science

The Merchant Navy offers excellent opportunities for those aspiring to go out to sea, are physically fit and have good eye sight without colour-blindness. By entering the deck side and after completion of exams progressively one attains the rank of captain or Master, which takes 6 to 8 years after passing out from AMET. Salaries at sea are of the highest in the service sector and additionally enjoy all tax benefits as applicable to non resident Indians(NRI) as per current regulations. A large number of shore jobs as harbour pilots, surveyors, marine faculty, superintendents, port captains, terminal managers, Shipping Agencies etc. are available for those not desirous of serving at sea for long.

The first objective is therefore to gain entry into AMET. The following courses offered by this Department:

### Courses Offered

#### Under Graduate Programme

- B.Sc. Nautical Science

*"The strength of the Department is the expertise of the Marine faculty members who come with vast experience, not only in teaching field but also in the shipping industry. The department can also boast of excellent infrastructure."*



- Capt. Yeshwanth Raj, Dean,  
Department of Nautical Science





# DEPARTMENT OF NAUTICAL SCIENCE



## B.Sc. Nautical Science

### 3 Years B.Sc. Nautical Science

Approved by the Directorate General of Shipping, Government of India. Leading to "Second Mate's (Foreign - Going) Certificate of Competency" awarded by the D.G. Shipping, Ministry of Shipping, Government of India after twelve months of Sea Service. This enables the cadets to become Navigating Officers on board Merchant Navy Ships worldwide and progressively grow to the rank of captain.

#### Duration

3 years (6 semesters fully residential course.)

#### Entry

Age : Not more than 25 years at the time of commencement of the course.

#### Eligibility (as per MS Notice No.24 of 2002)

A pass in Plus-two (12th Standard) or its equivalent, with minimum 60% aggregate in Maths, Physics and Chemistry group and at least 50% marks in English.

#### Mode of Selection

Admission Test, Interview and Medical

#### Medical Standard

Candidates should be physically & mentally fit for sea service under standard norms, should not be colour-blind, in 6/6 for each eye separately. Candidates wearing spectacles are not eligible.

#### Sanctioned Seats: 200

Boys and Girls are eligible to apply.

#### PLACEMENT CELL:-

In addition to the University level Placement Cell, the Nautical Science department has put in place a dedicated Placement Officer within the department, tasked with the responsibility to ensure better coordination, empowerment of students and to conduct counselling and preparation of students for placement screenings. PIC: Capt. Rajendran.

#### PLACEMENT COMPANIES VISITED AMET AND RECRUITED THE STUDENTS

- A.P.MOLLER SINGAPORE PTE LTD, SINGAPORE
- STELLAR OCEAN TRANSPORT LLC
- SHELL SHIP MANAGEMENT LIMITED, U.K
- BERNARD SCHULTE
- WALLEM SHIPMANAGEMENT LTD., HONG KONG
- TANKER PACIFIC MANAGEMENT (S'PORE) PTE LTD,
- EAGLE SHIPMANAGEMENT PTE LTD, SINGAPORE
- EURASIA, HONG KONG
- UNITED OCEAN SHIPPING COMPANY PTE LTD,
- FLEET MANAGEMENT LTD, MUMBAI, INDIA
- INDIA CEMENTS
- ISHIMA PTE LTD, SINGAPORE
- NOL / APL, SINGAPORE
- MERCATOR LINES
- MITSUI O.S.K. LINES
- UNIVAN SHIPPING
- NORTHERN MARINE MANAGEMENT (I) P LTD,
- PACIFIC INTERNATIONAL LINES (PTE) LTD, S'pore
- SEA TEAM MANAGEMENT
- SELANDIA MARINE SERVICES PVT LTD, MUMBAI, INDIA
- K-LINE SHIPMANAGEMENT CO. LTD, JAPAN
- SYNERGY
- STAR MARITIME (ETA)
- MMS
- UASC
- V SHIPS
- VARUN SHIPPING COMPANY LIMITED, MUMBAI, INDIA
- DOHLE DANAUTIC SHIP MANAGEMENT, GERMANY
- WESTERN SHIPPING PTE LTD, SINGAPORE
- IMS
- TORM SHIPPING
- SEASTAR
- FIVE STAR BULK CARRIER
- ZODIAC SHIPPING, LONDON
- AMERICAN EAGLE TANKER
- HERNING SHIPPING



## Department of Marine Engineering

### Department of Marine Engineering

#### Career path of an Engineer Officer

A career in the Merchant Navy as an Engineer Officer can be a rewarding one, both financially and in terms of job satisfaction. There are only a few ex-seafaring Engineers who do not look back at their time on board ship as a happy and worthwhile experience. For the able young officer, this system provides a smooth and rapid path of career development. The process is likely to take less than eight years from the commencement of cadetship till qualifying with MEO Class II COC (Certificate of Competency). Further 3 to 5 years may be required to go up in the hierarchy to reach the rank of Chief Engineer Officer on board ship.

Most ships have 4 or 5 Engineer Officer ranging in seniority from the most junior 5th or 4th Engineer Officer through the ranks of 3rd and 2nd Engineer Officer to finally Chief Engineer Officer. In progressing from the Engine Cadet to Chief Engineer Officer, one can expect to serve in each of these capacities by promotion from one to the other, depending on the Certificate of Competency, Experience and Merit. The Certificate of Competency is issued by Ministry of Shipping, Govt. of India upon successful completion of the required Sailing time and the Examinations. Most of the Marine Engineers do not remain at sea throughout their working life. After having gained their MEO Class I COC and experience as a senior officer on board, they seek employment ashore. Shore based employers generally have high regard for the seafaring engineer and consequently the transfer from shipboard to land based employment is usually easily achieved.

#### Careers After Sea

For those aspiring to step ashore after a career at sea as an Engineer Officer, future career paths include:

1. Government Surveyors of Ships & Machinery
2. Classification Society Surveyors

### Courses Offered

#### Under Graduate Programme

- B.E. Marine Engineering

***“The School of Marine Engineering strives to inculcate to the aspiring seafarers, the skill & knowledge of Safe, Eco conscious, Energy efficient operation of main propulsion and other auxiliary machineries on board Ships.”***



- Prof. KR. Chidambaram, Principal,  
DGS Courses

3. Engineering Superintendents of Shipping Companies
4. Shipyards & Marine workshops
5. Faculty in Maritime Education
6. Service Engineers of Specialist Plant and Machinery
7. Captive Power Plants





## B.E. Marine Engineering

This Course is approved by the Directorate General of Shipping Government of India. After successfully completing degree and the TAR Book competency examinations held at AMET University, the candidate will be eligible to obtain exemption for **PART A Examination of MEO Class IV Certificate of Competency** issued by the Directorate General of Shipping, Government of India.

### Course Duration

4 years of 8 semester residential course.

### Eligibility Criteria

#### Qualification:

Pass in (10+2) or equivalent examination with Physics, Chemistry, Mathematics and English as separate subjects with a PCM average of not less than 60%

#### Lateral Entry:

- a) Candidate can join 2nd year of 4-Year Marine Engineering Degree Course provided he has passed 1st year training from the Alternate Training Scheme, approved by D.G. Shipping (This will not be applicable to MERI.)

OR

- b) Candidates can join 2<sup>nd</sup> year of 4-Year Marine Engineering Degree Course who have passed 1<sup>st</sup> year from the Engineering College in other streams like Mechanical or Electrical approved by AICTE with minimum 60% average marks.

OR

- c) Candidates can join 2<sup>nd</sup> year of 4-Year Marine Engineering Degree Course who have passed 3 years Diploma Course in Mechanical / Marine / Electrical / Electrical and Electronics, from the colleges approved by AICTE or State Board of Technical Education with minimum 55% of aggregate marks in the last year of Diploma Course.

OR

- d) Candidates can join 2<sup>nd</sup> year of 4-Year Marine Engineering Degree Course who have passed 3 years Diploma Course, in addition to the three years regular Diploma Course in Mechanical/ Electrical /Electrical & Electronics Engineering, in following categories, from the colleges approved by AICTE or State Board of Technical Education with minimum 55% of aggregate marks in

the last year of Diploma Course :-

Electrical Engineering Stream :Electrical Power System ;

Electrical and Electronics Engineering Stream : Digital Electronics / Electronics and Communications/ Electronics & Telecommunication / Industrial electronics / Electronics / Electronics Production & Maintenance / Instrumentation /Instrumentation & Control

Mechanical Engineering Stream : Automobile /Machine Tools and Maintenance /Plant Engineering / Production Technology /Production Engineering /Advanced Diploma in Tool and Die Making

**[Note : The candidates in this category are not eligible for exemption in the examination of Applied Mechanics and Heat Engine subject of Part 'A' MEO Class IV and Class II of Certificate of Competency Examinations.]**

OR

- e) A candidate can join 2nd year of 4 Year's Marine Engineering Degree course who have passed 4 years Diploma in Shipbuilding Engineering from the colleges approved by AICTE or State Board of Technical Education with minimum 55% aggregate marks in the last year of diploma course

**AND**

**The candidates should have obtained with minimum of 50% marks in English language at 10<sup>th</sup> or 12<sup>th</sup> Std or in the Degree / Diploma course conducted by recognized Board or University.**

**NOTE: Part Time or Distance Learning or Correspondence Course or any combination of these will not be considered .**

**Age:** Below 25 years at the time of commencement of the course.

**Mode of Selection:** Admission Test, Interview and Medical  
**Medical Standard:**

Candidates should be physically fit for sea service under standard norms with eyesight up to 6/12 in both eyes or 6/9 in better eye 6/18 in other eye and with no color blindness.

**Sanctioned Seats:** 200

**Boys and Girls are eligible to apply**

**Lateral entry admission subject to availability to seats.**





## SHIP-IN-CAMPUS

### JEWEL OF AMET





## DEPARTMENT OF MECHANICAL ENGINEERING

### Department of Mechanical Engineering

Mechanical Engineering is a diverse subject that derives its breadth from the need to design and manufacture everything from small individual parts and devices (e.g., microscale sensors and inkjet printer nozzles) to large systems (e.g., spacecraft and machine tools). The role of a Mechanical Engineer is to take a product from an idea to the marketplace. In order to accomplish this, a broad range of skills are needed. Mechanical Engineers need to acquire varieties of knowledge and skills. For example; they need to understand the forces and the thermal environments that a product, its parts and its subsystems will encounter; they need to design them for functionality, aesthetics and the ability to withstand the forces; they need to determine the best way to manufacture them and finally they need to ensure that they will operate without any failure. Perhaps the one skill that is the Mechanical Engineer's exclusive domain is the ability to analyze and design objects and systems with motion.

Today, the world of mechanical engineering, at large is facing dramatic changes under the influence of advanced computational tools, vastly improved simulation and analysis and entirely different manufacturing protocols. This has opened up new lines of research in the department, such as rapid prototyping, smart materials, virtual reality modeling, virtual instrumentation, computational heat transfer, genetic algorithms etc.

In the coming years, unlike in the past, the effectiveness of the diploma, undergraduate and postgraduate programs will be increasingly gauged by the quality and extent of its service to the technological needs of the nation and we see,

the mechanical engineering department moving strongly in this direction. New materials, such as Nano materials, Engineering plastics and Embedded sensor materials are being introduced in the curriculum.

“Keeping human growth in mind, Education deals with spirit, character and effective behavior. The habits and attitudes the students acquire, the interests they cultivate, the ideas they learn to practice- all these are paramount for their future growth”.

### Courses Offered

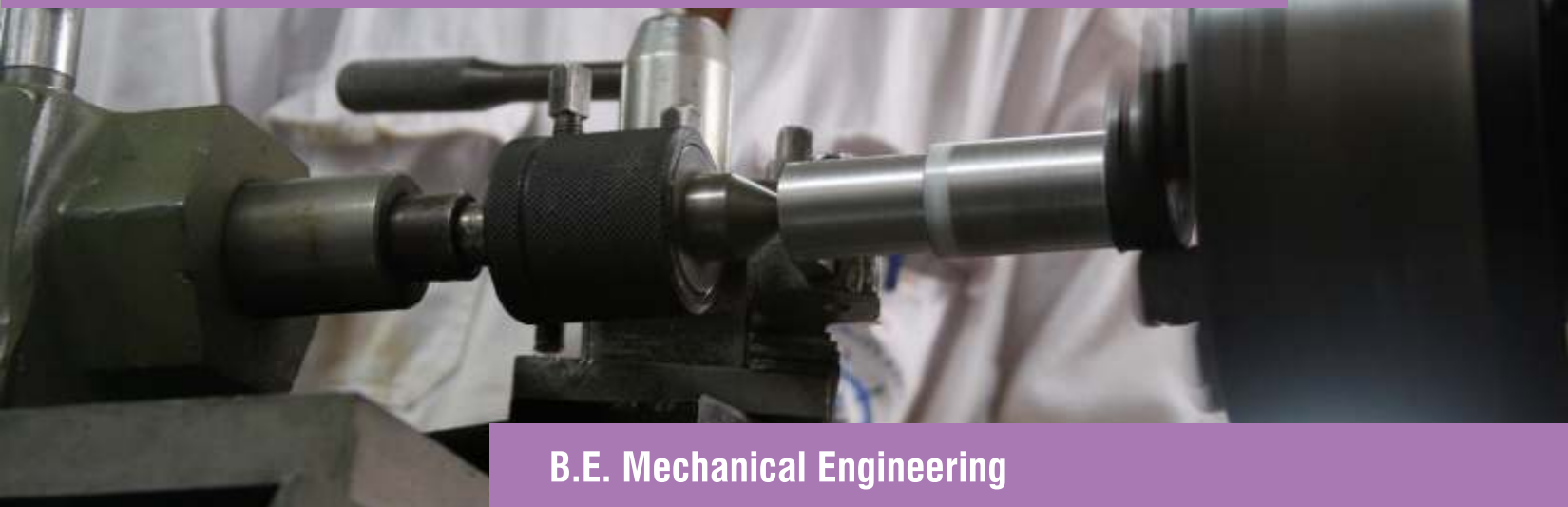
#### Under Graduate Programme

- B.E. Mechanical Engineering



*“Mechanical Engineering Department provides students with a solid foundation in the engineering sciences with a strong grounding in practical and problems-solving skills. This combined approach, along with hands-on project experiences, makes AMET graduates ready and able to hit the ground running and add value from the very start of their careers.”*

- Dr. R. Rajavel, Professor & Head,  
Department of Mechanical Engineering



## B.E. Mechanical Engineering

### **B.E - Mechanical Engineering** (Full time: 4 years - 8 Semesters)

Mechanical engineering is a diverse subject that derives its breadth from the need to design and manufacture everything from small individual parts and devices (e.g., microscale sensors and inkjet printer nozzles) to large system (e.g., spacecraft and machine tools). The role of a Mechanical Engineer is to take a product from an idea to the marketplace. In order to accomplish this, a broad range of skills are needed. The mechanical engineer needs to acquire particular skills and knowledge. He/she needs to understand the forces and the thermal environment that a product, its parts, or its subsystem will encounter; to design them for functionality, aesthetics, and the ability to withstand the forces and the thermal environment they will be subjected to; and to determine the best way to manufacture them and ensure they will operate without failure. Perhaps the one skill that is the mechanical engineer's exclusive domain is the ability to analyze and design object and system with motion

#### **Eligibility:**

A Pass in Plus-two (12th Standard) or its equivalent, with minimum 50% marks for OC and 45% for others aggregate in Maths, Physics and Chemistry group from any recognized board. Minimum 50% marks in the English either in +2 or 10th, Boys and Girls are eligible to apply.

#### **Lateral Entry Eligibility:**

DME/DAE/DPE/B.Sc(Mathematics/Physics/Chemistry)

The above stream candidates should have a pass in the Diploma/Degree Course. Good communication and writing skills in English.

#### **Mode of selection:**

Admission test, Personal interview and Medical

**Sanctioned Seats : 90**

#### **Job Opportunities:**

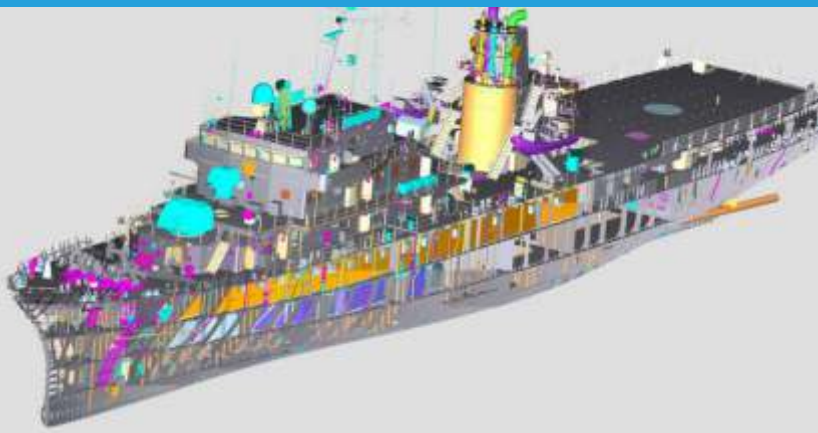
Skills are required for virtually everything that is made, Mechanical Engineering is perhaps the broadest and most diverse of engineering disciplines. Mechanical engineers play a central role in such industries as automotive (From the car chassis to its every subsystem \_\_engine transmission, sensor); aerospace (airplanes and, aircraft biotechnology(implants, prosthetic devices, fluidic systems for pharmaceutical industries); computers and Electronics(disk drives, printers, cooling system, semi-conductor tools); Micro-electro-mechanical system, or MEMS (sensor, actuator, Micro-power generation); Energy conversion (gas turbines, wind turbines, solar energy, fuel cells); Environment control(HVAC, Air-conditioning, refrigeration , compressors); Automation (robots, data and images acquisition, recognition, control); Manufacturing (machining, machine tools, proto-typing, micro-fabrication).

The breadth of the mechanical engineering discipline allows students a variety of career options beyond some of the industries listed above. Regardless of the particular path they envision for themselves after they graduate, their education will have provided them with the creative thinking that allows them to design an exciting product or system, the analytical tools to achieve their design goals, the ability to overcome all constraints, and the team work needed to design, market and produce a system. These valuable skills could also launch a career in medicine, law, consulting, management, banking, finance, and so on.

For those interested in applied scientific and mathematical aspects of the discipline, graduate study in mechanical engineering can lead to a career of research and teaching.







## DEPARTMENT OF NAVAL ARCHITECTURE AND OFFSHORE ENGINEERING

### Department of Naval Architecture and Offshore Engineering

This department is the first department which was started after AMET attained the University status in AUG 2007.

#### The Department is well equipped with following facilities:

- Ship Design drawing hall with adequately equipped drawing equipments.
- Tribon Ship Design Software Laboratory. State of the Art DNV Sesam software Laboratory.
- We laid out class rooms with Computer Projection Systems/ OHP/ Boards etc.
- Chemistry laboratory , Physics laboratory, Engineering Mechanics laboratory, Strength of Materials laboratory, Basic Workshop facilities, Marine Workshop facilities, Ship in Campus facility, Seaman ship laboratory, Computer laboratory, Electrical and Electronics laboratory, Engineering graphics drawing Hall, Fluid Mechanics laboratory Marine Instrumentation and Automation laboratory- The department is sharing these facilities with other departments.
- Marine Hydrodynamics laboratory facility from I.I.T Madras Kharagpur/ NSTL Visakhapatnam is utilized.
- Shipyard/ Ship design office – The students are sent for internship to various Shipyards/ Ship design office in the country during summer vacation. The department has well experienced and adequate no, of faculty members to handle all subjects specialists from industries / fields are called to give guest lectures on important topics for the student to understand the latest developments in the Naval Architecture field.

#### Under Graduate Programme

- B.E Naval Architecture and Offshore Engineering (4 years)

#### Post Graduate Programme

- M.Tech. Naval Architecture and Offshore Engg. (2 years)

### B.E. Naval Architecture and Offshore Engineering

The course is accredited by Royal Institution of Naval Architects (RINA), U.K.

#### Duration

4 years- All 4 years at AMET, Chennai.

(or)

4 years- Year I & II at AMET, Chennai.

Year III & IV at University of Strathclyde, Glasgow, U.K.

Degree awarded by University of Strathclyde, U.K.

#### Eligibility

A pass in plus-two (12th standard) or its equivalent, with minimum 50% Marks for OC and 45% for others aggregate in Maths, Physics and Chemistry Group from any recognized Board.

#### Lateral Entry

(i) Diploma Mechanical / Civil Engineering students are eligible to be admitted in second year of the study.

(ii) B.Sc. Mathematics / Physics graduates are eligible to be admitted in second year of the study.

#### Mode of Selection

Admission Test / Personal Interview

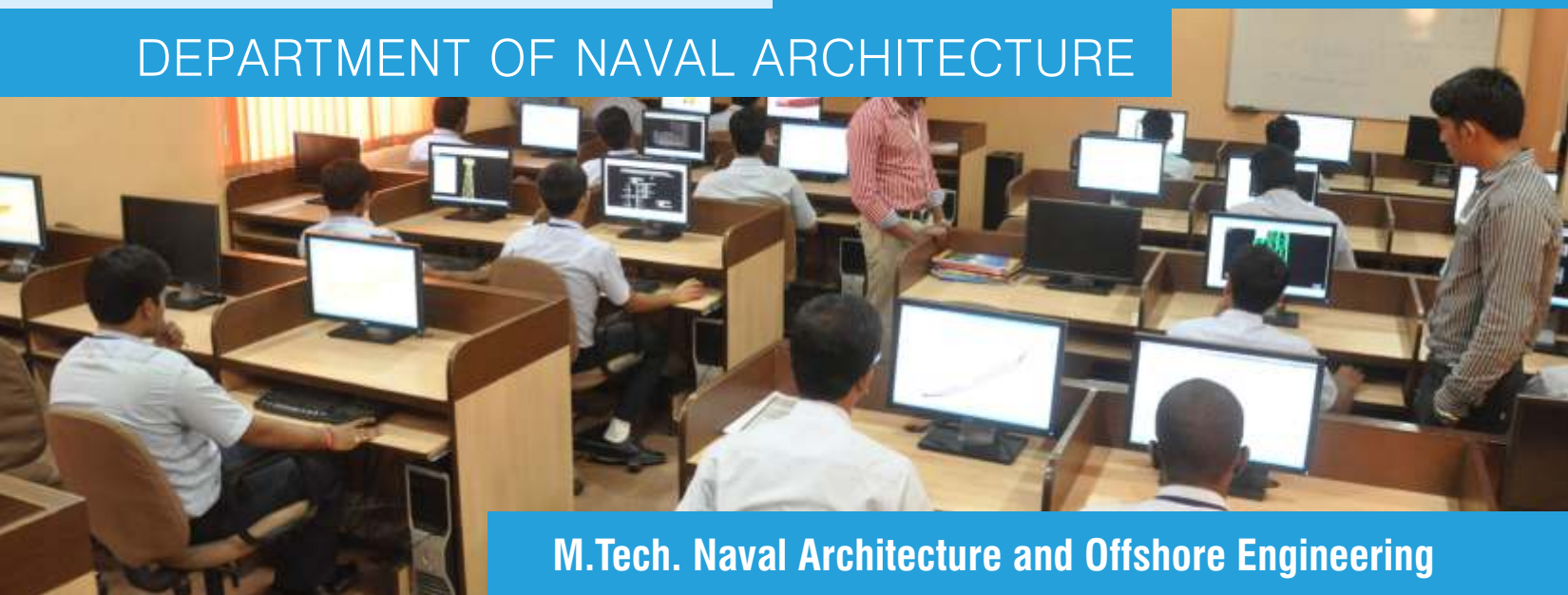
**Sanctioned Seats : 90**

**Boys and Girls are eligible to apply**

**\*Lateral Entry subject to availability (The above eligibility criteria applicable for other BE courses)**



# DEPARTMENT OF NAVAL ARCHITECTURE



## M.Tech. Naval Architecture and Offshore Engineering

### M.Tech. Naval Architecture and Offshore Engineering

#### Duration

2 Years

#### Eligibility

Under Graduate Degree in Naval Architecture, Ship Building, Petroleum, Marine Engineering, Mechanical, Civil, Aeronautical, Production & Industrial Engineering.

#### Mode of Selection

Admission Test/Personal Interview

#### Job Opportunities

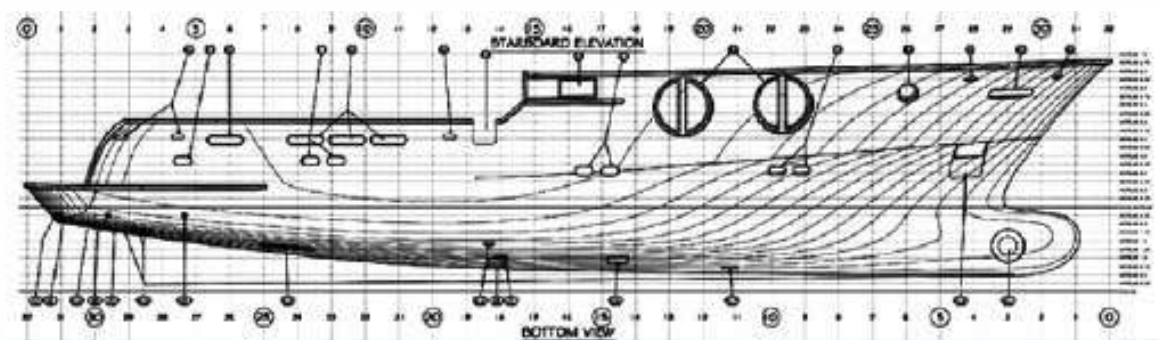
On completion of the degree, the candidates are eligible to occupy Managerial positions in various Government and Private sector Shipyards, Boatyards, Offshore companies, Marine consultancy companies, Design consultancy companies, Survey companies, Classification Societies and R&D in India and Abroad. Great opportunities exist as this sector is fast growing world over.

#### Sanctioned Strength : 18

Both Boys and Girls are eligible to apply

*"The Department of Naval Architecture & Offshore Engineering develops raw students to Naval Architect professionals and prepares them to serve in the Marine Industry in India and abroad. The Dept. is Equipped with well qualified, adequate faculty. The Dept. trains students an internationally bench marked software".*

- Cdr. Prashant Kumar, HOD, Department of Naval Architecture







## Department of Petroleum Engineering

### Scope:

Petroleum Engineering is one of the specialized engineering programme with focus on drilling wells, evaluation of reservoirs and production of commercial quantities of oil and gas from subsurface, both in the land and in offshore.

Ever increasing global demand for fossil fuels has opened up vast opportunities for Petroleum Engineers worldwide, both in national and multinational companies. Technological advances, increased computational facilities and various special techniques in drilling, reservoir modeling and production operations have made Petroleum Engineering an exciting and highly rewarding career.

### Department:

Petroleum Engineering Department at AMET University was set up in the year 2008 and is headed by Dr. P.N. Ananthanarayanan, who has got thirty (30) years of experience in various facets of hydrocarbon exploration and development activities with Oil and Natural Gas Corporation Ltd. (ONGC), India's premier Public Sector agency. The department has got young, energetic, enthusiastic and qualified faculty members. The department is conducting 3 year diploma, 4 year graduate and 2 year Post Graduate programmes. There are about 460 students.

The Department is presently have 4 laboratories to give training in drilling, reservoir, production engineering and petroleum testing disciplines.

Technical books and journals are available in the University library and new and advanced titles are being regularly added.

The Department is a member of the Society of Petroleum Engineers (SPE), a worldwide technical body of high repute in the field of Petroleum Engineering. All our students are Student Members and a Student Chapter of SPE is formed in the University.

### Course:

The curriculum of diploma, graduate and post graduate programmes in Petroleum Engineering conducted by the University

is compact and inclusive in nature covering all aspects of petroleum industry from exploration through drilling, production, refining to storage, transportation and marketing of the products. Greater emphasis is being given on offshore activities. In addition, management processes, economics, financial and legal aspects connected with the industry also forms a part of the curriculum. Through field projects, training programmes and hands-on experience, the students are being prepared to take up assignments in the industry after graduation.

## Courses Offered

### Under Graduate Programme

- B.E. Petroleum Engineering
- B.E. Mining Engineering

### Post Graduate Programme

- M.Tech. Petroleum Engineering



*"The department of petroleum engineering imparts the essential skills and knowledge and makes the students employable in the industry."*

*-Dr. P.N. Ananthanarayanan  
Professor & HOD, Department of  
Petroleum Engineering*



## Department of Petroleum Engineering

### B.E. Petroleum Engineering

**Duration : 4 Years (8 Semesters)**

#### Features of the programme

Petroleum Engineering is one of the prime branches of the engineering profession that focuses in reservoir, drilling and production disciplines of hydrocarbon resources in onshore and offshore fields during the exploration, development and operation phases.

The oil and gas industries have rich global presence dominated by numerous national and multinational companies. Varieties of opportunities and rewarding careers are in existence for Petroleum Engineering Graduates in the fields of oil and gas exploration, reservoir modeling and management, drilling and production operations.

The Petroleum Engineering Programme at the AMET University has a modern curriculum that emphasizes not only Petroleum Engineering fundamentals but also the business management processes that are applied to reach optimal engineering options for field development and exploitation of hydrocarbon.

**Eligibility Criteria:** A Pass in Plus 2 (12th Standard) or its equivalent with a minimum of 50% marks for OC and 45% marks for others each in Mathematics, Physics and Chemistry and 50% marks in English from any recognized Board. An aptitude for field work is necessary.

**Lateral Entry Eligibility:**\* B.Sc. Degree in Geology or Diploma Mechanical or Chemical Engineering with 60% Marks. Good Communication and Writing skills in English and basic knowledge of Computer Science are essential.

**Mode of Selection :** Admission Test / Personal Interview

**Sanctioned Strength : 90**

**Boys and Girls are eligible to apply**

**\*Lateral Entry subject to availability**

### B.E. Mining Engineering

**Duration : 4 Years (8 Semesters)**

**Eligibility :** 12th Pass with minimum 50 % in Mathematics, Physics and Chemistry and 50% English (10th or 12th)

**Mode of Selection :** Entrance Exam and Personal Interview

**Sanctioned Strength : 30**

#### EMPLOYED IN COMPANIES LIKE

- ONGC
- HOEC
- Schlumberger
- Halliburton
- Baker Hughes
- L & T
- Cairn India
- Petrolink Data Services
- Tangent Oil
- Aban Offshore
- Oil Field Services
- Reva Phoenix
- Brunei Energy
- Sinopec
- Saudi Aramco
- Texas Oil
- Al Mansoori, Dubai etc.



## M.Tech. Petroleum Engineering

### M.Tech. Petroleum Engineering

This Course leads to a Post Graduate Degree in one of the most fascinating and greenfield sector in the industrial arena. The Course is concerned with the subsurface activities relation to Hydrocarbon Exploration, Exploitation, Refining, Transportation and Marketing.

**Duration :** 2 Years ( 4 Semesters)

**Eligibility :** B.E. Degree in Petroleum Engineering, Mechanical Engineering, Chemical Engineering, M.Sc. Geology, M.Sc. Geophysics.

**Mode of Selection :** Personal Interview

**Sanctioned Seats :** 18

**Course Content :** Well Test Analysis / Petroleum Geoscience / Petroleum Production Engineering / Reservoir Engineering / Oil & Gas Well Drilling Engineering / Petroleum Testing Analysis / Petroleum Economics / Formation Evaluation & Well Logging.

**Opportunities :** National & Multinational oil & Gas companies. Service Companies, Academic Institutions.







## INTRODUCTION

India's maritime trade comprises of export-import trade in various bulk commodities like crude oil and other petroleum products, iron ore and coal, besides general purpose cargo. Over the last fifteen years, since the onset of economic liberalization, there has been a significant spurt in handling of value-added goods mainly in the form of containerised cargo movement, in several Indian ports. This has given rise to many new dimensions in the development of the port sector in the country.

The growing needs for development of port infrastructure warrants construction of advanced port facilities.

Currently, the berthing and handling capacities of India's port sector is far below the required, about 40% of the required. Hence, it is high time for development of deepwater ports and harbours. Furthermore, 6000 km of mainland Indian coastline can accommodate hundreds of new harbours which will enable efficient and economical transportation system. The design and construction of port development facilities necessitates requirement of large number of coastal engineers. Currently, there exists a shortage of coastal engineers in India.

Design of marine structures against the hostile wave climate becomes a challenging task for coastal engineers. There is a huge need of coastal and harbour engineers to meet the industrial need both in India as well as in other countries, all over the world.

In order to meet this industrial need, the Department of Harbour Engineering and Offshore Technology at AMET University has been started during the academic year 2008-09.

Considering its course curriculum and industrial need, the department has been renamed as, Department of Harbour and Ocean Engineering in the academic year 2012-13. Our Department is the only department, at national level in India, offering the B.E. Degree Course in Harbour and Ocean Engineering. The course curriculum and the subject modules are framed such that it meets the global standards and the industrial

requirements in port industry.

Over a period of 4 years in this B.E. Degree Program in Harbour and Ocean Engineering, the students are well trained in the following aspects:

- Site exposure (wind, wave, current) assessments
- Revetment & breakwater design
- Design of cargo and oil jetties
- Offshore pipeline design
- Coastal protective structures design
- Protective structures for Coastal floods
- Sea water Intake structures and outfall design for effluent disposal
- Beach nourishment planning & design
- Littoral/coastal processes studies

Proposal is in planning stage to start two year Master's (M.Tech) Program in Maritime and Port Engineering

## Department facilities

Department of Harbour and Ocean Engineering is well-equipped with all the relevant laboratory facilities. Coastal Modelling lab is equipped with MIKE21. DHI's MIKE21 features on modelling of waves on wave reflection, refraction, diffraction and sediment budgeting. The students are trained on various aspects of coastal modelling using MIKE21 which meets the global standards. The department is also enriched with TUNAMI N2, tsunami modelling software; which provides the necessary output on tsunami inundation effects. Modelling laboratory is also installed with PLAXIS geotechnical modelling software. Using STAAD PRO software, the students are trained on structural design of port structures. The department provides interim training on latest techniques on coastal survey. The coastal survey laboratory is equipped with latest version of Total station, GPS, digital Theodelite as well as auto levelling. Several developments are in progress in establishing wave generating laboratories. The Department of Harbour & Ocean Engineering has well established Concrete Technology Laboratory; in which, the students are given excellent training on Design of Concrete Mix, testing of fine aggregate and coarse aggregate and testing of Concrete cubes. Field visits are periodically arranged for visiting Chennai Port Trust, Ennore Port Trust. The Department of Harbour & Ocean Engineering has organized three National Conferences and one International Conferences in Port Engineering and Port Planning aspects.

***"The Programme is first of its kind in India. Being a unique programme at National level, about 15 MNCs have recruited our passed out students."***

**- Dr. K. Thiruvengkatasamy, Professor & Head,  
Department of Harbour & Ocean Engineering**





## DEPARTMENT OF HARBOUR AND OCEAN ENGINEERING

### B.E. Harbour and Ocean Engineering



### B.E. Harbour and Ocean Engineering - 4 Years

#### Features of the Programme

This course is formulated to obtain expertise in Harbour Engineering to fulfil the requirements of planning, design and construction of Port and harbour Structures and also to work in coastal management projects and dredging technology.

**Duration:** 4 Years or 8 Semesters

**Eligibility:** A Pass in Plus-two(12<sup>th</sup> Standard) or its equivalent, with minimum 50% Marks for OC and 40% for others aggregate in Maths, Physics and Chemistry Group from any recognized Board.

**Lateral entry Eligibility:** Diploma in Civil Engineering

**Mode of Selection :** Admission Test / Personal Interview

**Sanctioned Seats:** 30

**Boys and Girls are eligible to apply**

**Lateral Entry subject to availability**

#### Job Opportunities

Due to enhanced growth in marine industry in the recent years internationally, there is need for global development and research activities in Ports sectors and oil companies. This leads to a heavy demand for qualified Harbour and Port Design Engineers who can be successfully placed in India as well as abroad with attractive remunerative packages:

Our passed out students have been placed in several Multi National Companies (MNCs) like,

#### PLACEMENT RECORDS:

• HOWE (India)	• Maritimus Consultants
• STUP Consultants	• Fugro Surveys
• Van Oord Dredging	• Expanse India
• Zebec Marine Consultants	• Buildcon Pvt Ltd
• I Maritime Consultants	• R.D.S.Projects Limited
• URS-ScotWilson	• Indomer Coastal Hydraulics
• Sarathy Geotech	• Dharti Dredging and Infrastructure Ltd
• ISDPL	• MEKA Dredging

Our students have also gone for Post graduate studies in Universities of UK and Norway as well as in Indian Universities.







## Department of Electrical and Electronics Engineering

### Department of Electrical and Electronics Engineering

Department of Electrical and Electronics Engineering is established in the year 2008 with the objective of imparting quality education of international standards and to produce highly innovative Marine Electrical and Electronics Engineers capable of solving global maritime challenges.

The department houses state-of the art laboratories, smart class rooms and well stacked library to impart teaching and research .The department offers academic, collaborative and industry linked research leading to publication, patents and funded projects. Consultancy activities are also initiated to promulgate research ideas.

#### Research

The Department of EEE actively promotes research which is an important part of any higher education system. The Department is fully committed to pursuing in depth research and development so as to excel in all major areas of Marine Electrical and Electronics Engineering. Faculties are encouraged to publish their findings in reputed journals and present papers in national/international conference. The Department supports inventors to file patents if the research is likely to fructify in commercially viable product or processes. The department through its collaboration with industries is in the forefront in promoting multidisciplinary research.

#### Marine Electrical and Electronics Engineering- A Unique and Emerging Area

- Electrical and Electronic equipments in modern ships outweigh the mechanical counterparts.
- Huge complicated mechanical control systems onboard ships

### Courses Offered

#### Under Graduate Programme

- B.E. Electrical and Electronics Engineering - Marine

*"The Department of EEE(Marine) aims at transforming young engineering aspirants into world class technocrats in Marine Electrical and Electronics Engineering who are competent lifelong performers committed to quality and innovation in every aspect."*

-Dr. S.V. Saravanan, HOD







## Department of Electrical and Electronics Engineering

are replaced by compact smart intelligent control systems.

- Concept of integrated power systems on board ships made supply of power to multi-locations efficiently.
- In modern ship propulsion, variable frequency electric drives emerged as viable contenders to compete with the mechanical drives.
- Marine industry has integrated the traditional Electrical Officers role with state-of-the-art requirement in Electronics, Computerization, Control engineering and Automation.
- MEEOs without maritime background find difficult to adhere to the Maritime Culture leading to poor retention level.
- There is a need to increasingly liberalize Marine Electrical and Electronics services onboard ship.
- Hence realizing the requirement from the vast array of the maritime sector that includes Electrical and Electronics services, the University has taken initiative to develop a program namely Bachelor of Engineering in Electrical and Electronics Engineering

### Marine content in the curriculum

- Marine subjects imparted in the curriculum serves the purpose of amalgamation of marine applications into Electrical and Electronics Engineering making the prospective graduates suitable for working in marine and non marine sectors.
- The curriculum is designed in tandem with the national and international contemporary institutions carrying out similar courses.
- The curriculum is enriched with value added courses to inculcate the element of innovation, research, development and continuous learning among students.

## B.E. Electrical and Electronics Engineering - Marine

**Duration :** 4 Years

**Eligibility :** 12<sup>th</sup> Pass with 50% in Mathematics, Physics and Chemistry and 50% English (10<sup>th</sup> or 12<sup>th</sup>)

**Mode of Selection:** Admission Test, Personal Interview and Medical

**Sanctioned Seats:** 30

### JOB OPPORTUNITIES

- Onboard Ships
- Ship yards,
- Ship Manufacturing industries
- Marine Machinery Industries
- Energy and Power Consulting Roles
- Power Distribution and Transmission Companies
- Engineering Procurement Construction Companies
- Power and utilities Industries
- Oil and Gas Industries
- Renewable Energy Industries
- Offshore Energy Industries

### PLACEMENT RECORDS:

• ZIM Lines	• Dohle Danautic Shipping
• XT shipping	• American President Lines
• VR Maritime	• Wallem Ship Management
• Ishima	• United Arab Shipping
• A.P MOLLER	• Tank Pacific
• Anglo-Eastern Shipping	• American Eagle Tankers
• Zoziac Ship Management	• Radio Holland







The AMET Business School has been conducting Under Graduate and Post Graduate level Management Education programmes since 2001 & has developed courses to suit the industry requirements.

Presently the School is offering 4 Post Graduate programmes and 5 under graduate programmes with the objective of equipping the students with adequate skills and knowledge in General Management functional areas and in the Shipping and Logistics business sectors.

AMET Business School has expertise in offering courses in the areas of

- Ship Management
- Liner Shipping Business
- Ship Agency Management
- Ports & Terminals Management
- Maritime Law
- Maritime Economics
- Freight Forwarding
- Commercial Maritime Geography
- ERP, Tally & SPSS
- Logistics and Supply Chain Management and its various sub-sectors viz. warehousing and distribution, project cargo, trucking, specialised transport and logistics-focused technology areas.

#### Faculty resources include

- Academicians with many years of teaching and research experience.
- Professionals with industry experience
- Members of Professional Organizations viz. Institute of Chartered Ship Brokers, London.

Doctoral (Ph.D.) programme is also being offered by the school since 2008 and currently 55 research scholars are pursuing doctoral studies on various topics connected with Shipping and Logistics management.

## Courses Offered

### Under Graduate Programme

- B.B.A. Shipping

### Post Graduate Programmes

- M.B.A. Shipping and Logistics Management
- M.B.A. Oil and Gas Management

Students passing out of our MBA Programme are given exemption for 3 papers in Institute of Chartered Ship Brokers examination-ICS (UK).



***“The Business School grooms students who are instantly employable in Maritime Management Sector all over the World”***

**-Dr. S. Ramachandran, Director, AMET Business School**





## B.B.A. Shipping

### 3 Years B.B.A. Shipping

#### Features of the programme

The BBA programme has been developed to prepare students to meet the requirements of organizations in the Shipping and Logistics sector so as to have a fundamental knowledge of the theoretical dimensions of business operations as well as an understanding of the practical application of these theories in the chosen areas of Shipping and Logistics domain.

In the first year the focus is on building the foundation in the core subjects and also training the students to excel in shipping subjects and communicative skills. At the end of 1st year, students will be required to undergo internship for 4 weeks.

In the second year, focus will be to impart detailed inputs in the ERP / Tally and Logistics subjects. At the end of 2nd year, students are required to undergo internship for 4 weeks.

The final year focuses on providing students with an integrated and holistic view of business and an indepth understanding of Shipping and Logistics Sector. Students will be required to do a project in the third year in their chosen area for two months.

#### Duration

3 years / 6 semesters

#### Job Opportunities

Executive position in:

- Shipping companies
- Logistics companies
- International Freight forwarding companies and
- Ports

#### Admission procedure

##### Eligibility

Pass in Higher Secondary with 50% marks.

#### Mode of Selection

Admission Test and Personal Interview

**Sanctioned Seats : 90**

#### Commencement of the classes

End July / Early August

**Both Boys and Girls are eligible to apply**

#### LIST OF COMPANIES WHICH RECRUITED BBA STUDENTS

- DA Desk, Dubai
- Port of Jebel Ali, UAE
- Ocean Masters Marine, Malaysia
- Expo Freight, Dubai
- CMA-CGM, Chennai
- Hapeg-Llyod, Chennai
- Sea Port Logistics, Tuticorin
- Executive Ship Management, Chennai
- Maersk Logistics, Chennai
- C-EXIM Logistics, Chennai
- Ashapura Forwarders, Gujarat and
- Other Ports & Shipping Companies



Photo Courtesy : Maersk Rijeka

## MBA Shipping and Logistics Management

### **2 Years M.B.A. (Shipping and Logistics Management) with Marketing as the functional specialization**

#### **Features of the Programme**

This unique sector-specific management education programme, which is the first of its kind in Asia, focuses on appropriate management education and skills in the areas of Shipping and Logistics Management. The MBA Programme is designed to equip students with adequate skills and knowledge in all the areas of general management and the functional specialization in the area of Marketing Management with sectoral specialisation in shipping and logistics management.

#### **Admission Procedure**

##### **Eligibility:**

1. Any degree from a recognized University with 50% marks.  
(OR)
2. Mariners holding the following professional qualification obtained after a minimum duration of study-cum-training of 6 years after 10+2 leading to:
  - a) Master Foreign Going Certificate of Competency.  
(OR)
  - b) First Class Motor or Steam or Combined (Chief Engineer)) Certificate of Competency issued by the Directorate General of Shipping, Ministry of Shipping, Government of India or its counterparts in other countries.

##### **Admission Test:**

CAT / MAT / XAT / ATMA / JMET / TANCET scores will be accepted. If a candidate has not taken any of the above tests, he/she will be asked to appear for a test conducted by AMET.

##### **Sanctioned Seats: 90**

##### **Group Discussion / Personal Interview :**

Group Discussion / Personal Interview will be held in the following locations:  
Chennai / Bangalore / Hyderabad / Mumbai / New Delhi / Calcutta / Ranchi

##### **Commencement of the classes : End July / Early August**



## MBA Oil and Gas Management

**Duration :** 2 years (4 semesters)

**Eligibility :** Degree holders with distinction in Petroleum, Petrochemical, Mechanical and instrumentation engineering. Industry experience is advantageous.

**Mode of Selection :** Admission Test and Interview

**Sanctioned Seats:** 18

**Course Contents :** Management principles, Organizational behavior, Business communication, Petroleum Economics, Operations and Material Management, Human Resource Management, Strategic Management, Oil & Gas Exploration Management, Petroleum Policy, Law and Regulations, Petroleum Finance, Accounting and Auditing, Contract Management and Negotiation, Production sharing contracts, Project Management and Business Ethics.

**Opportunities:** Middle and Senior Management positions in National & Multinational Oil and Gas Exploration & Production companies.

### LIST OF COMPANIES WHICH RECRUITED MBA STUDENTS

- |                                  |  |
|----------------------------------|--|
| • DA Desk, Dubai                 | • Siva Shipping, Mumbai                    |
| • Ocean Masters Marine, Malaysia | • APL, Chennai                             |
| • PSA, Singapore                 | • TVS Logistics, Chennai                   |
| • INDEV Logistics, Qatar         | • Vedanta Group, Goa                       |
| • Johnson & Johnson, Dubai       | • World Wide Logistics, Chennai            |
| • Jebel Ali Free Zone, UAE       | • MR Logistics, Chennai                    |
| • Elite Freight Services, Dubai  | • Evergreen, Chennai                       |
| • Penthouse Shipping, Dubai      | • Freightcan Global Logistics, Chennai     |
| • Port of Jebel Ali, Jebel Ali   | • Progress Ocean Charterers, Chennai       |
| • Libra Shipping, Dubai          | • Bharat Logistics, Chennai,               |
| • Expo Freight, Dubai            | • ZN Logistics, Chennai                    |
| • CMA-CGM, Chennai               | • DHL, Chennai                             |
| • Leaap Logistics, Chennai       | • Sky Blue Freight Forwarders, Chennai and |
| • Maersk Logistics, Chennai      | • Other Ports & Shipping Companies         |





## B.Com. Logistics and Computer Applications

### B.Com. Logistics and Computer Applications - 3 Years

#### Features of the programme

The B.Com programme has been developed to prepare students to meet the requirements of organizations in the Logistics & Computer Applications sector so as to have a fundamental knowledge of the business operations as well as an understanding of the practical application of the concepts in the chosen areas of Logistics & Computer Applications domain.

In the first year, the focus is on building the foundation in the core subjects and also training the students in the Logistics subjects, accounting subjects and business communicative skills. At the end of 1st year, students are required to undergo internship for 4 weeks in the Logistics sector.

In the second year, focus is to impart detailed inputs in Ten Computer Application subjects. At the end of 2nd year, students are required to undergo internship for 6 weeks in the Computer Applications domain.

The final year focuses on providing students with an integrated and holistic view of business and an in depth understanding of Logistics & Computer Applications integration. Students are required to do a project in the third year in their chosen topic for two months in the Logistics & Computer Applications domain.

**Duration:** 3 years / 6 semesters

#### Job Opportunities

Executive position in

- Logistics companies
- IT companies
- Shipping companies
- Freight Forwarding companies and
- Sea ports & Air ports

#### Admission procedure

**Eligibility :** Pass-in Higher Secondary with 50% marks in the Commerce & Accountancy / Computer Applications

**Admission Test :** Admission will be based on AMET University Test.

**Sanctioned Seats :** 30

**Commencement of the classes :** End July / Early August

**Both Boys and Girls are eligible to apply**



## DEPARTMENT OF MARINE BIOTECHNOLOGY

### Department Profile :

The Department of Marine Biotechnology, AMET University has a long history of teaching and research. The Department is actively engaged in research on Marine Microbial Diversity, Enzyme technology, Secondary metabolites from marine organisms, Marine Bioproducts and Bioprocess Technology with a core theme of bioactive molecules from marine resources. The Department of Biotechnology, AMET University is enriched with specialized research facilities like Gradient PCR machine, UV-Visible spectrophotometer, Refrigerated centrifuges, Deep freezer, Western blotting apparatus, Environmental shaker, UV transilluminator, Shimadzu, Lyophilizer, Roto evaporator, Microfuges, Electrophoretic apparatuses, Refractometer, Chromatography aids and Solvent extraction apparatus.

- Marine Biotechnology is an important field which is still in its infancy and the scope in future is enormous. In this context, our Department is offering short term training programs and projects works for outside students also in the broad area of Life Sciences with special emphasis on Marine Biotechnology.
- The Department frequently organizes orientation programs, seminars, guest lectures, awareness programs and workshops at State and National levels. During 2010-2014, the Department has organized five national level workshops, four state/National level seminars, one public awareness programs for research and publications.
- We are also maintaining a Culture Collection Centre to preserve marine bacteria, marine fungi and marine actinomycetes which were isolated and characterized in our Department by both our post graduate and research scholars.
- The Department has initiated AMET Biotech Outsourcing Unit for identification of bacteria and actinomycetes by 16S rRNA sequence analysis.
- The Department is maintaining collaboration with 15 research institutions/labs across the India/Overseas and established 3 Memorandum of Understanding (MoU) with a Private Biotech Company.
- The Management in providing a full time research fellowship for a PhD candidate of Department of Biotechnology.

### B.Tech. Food Processing Technology (4 Years)

#### Features of the programme

The B. Tech. in Food Processing Technology is a four year professional degree program offered with the main goal of producing technical professionals in Food and Food Processing Technology. It is the most emerging and essential field with tremendous job opportunities.

#### Job Opportunities

Food Processing Technology graduates have good job opportunities in Food processing industries such as wheat, rice and baking industry, dairy industry, fruits & vegetables processing industry, meat, fish and poultry industry, alcoholic beverages and soft drinks including wine & beer industry, spices and condiments industry, confectionery, quality control, R & D, food packaging industry,

### Courses Offered

#### Under Graduate Programme

- B.Tech. Food Processing Technology (4 Years)

#### Post Graduate Programme

- M.Sc. Marine Biotechnology - 2 years (4 Semesters)



*"The Department of Marine Biotechnology imparts updated knowledge to the students in this emerging field and prepares them as Bio-Technocrats to the diverse industries."*

- Dr. M. Jayaprakashvel, HOD,  
Department of Marine Biotechnology

pharmaceutical industry, food processing machinery designing and fabricating industry; food research laboratories, Food wholesalers, Hospitals, Catering Establishments, Retailers, Restaurants, packaging industries and research & educational institutions as Senior Food Technicians, Quality Controllers, Analysts, Lab Managers, Research Scientists, and Production Managers etc.

#### Entrepreneurship

Self employment opportunities are plenty and Government enormously encourage and support the entrepreneurs in Food Technology. It is more an appropriate UG technology degree for a start up entrepreneur.

#### Eligibility

The eligibility is a pass in Plus Two with Physics, Chemistry and Mathematics as study subjects.

Sanctioned Seats : 30

Both Boys and Girls are eligible to apply



## M.Sc. Marine Biotechnology (A New Emerging Field)

M.Sc. Marine Biotechnology is a unique Post-graduate degree which is offered by only a few Institutions in India. AMET University is proud to have such a unique course with International standards. Our course curriculum has been very sincerely prepared to help the students to get world class information and exposure. New pharmaceutical companies are focusing on developing new drugs from marine resources. The enhance focus on aquaculture will generate thousands of jobs for trained Marine Biotechnologists. The growing use of marine products in the food, cosmetic and agricultural industries has created a current demand that we can barely meet. Hence, doing M.Sc. Marine Biotechnology at AMET University is also to enhance your job opportunities in the research and development and industry sector pertaining to Marine Biotechnology.

Our PG program has been planned in such a way to equip the students to make them confident enough in facing the job market. Our course curriculum has given equal emphasis on both industry, research and academia needs. We encourage our post graduate students to take part in the scientific events. Since 2009, our students have presented 124 research papers at various scientific events of which 25 were awarded as Best presentations. During their course, they need to undergo research projects through which many of our students have got publications in journals of international reputation. Industrial visits, field visits and tours are part of the curriculum. At departmental level, we concentrate and enrich the extracurricular, co-curricular and interpersonal skills of our students through Luminous Clubs and Journal Club. We are training our postgraduate students to equip themselves for a research career.

### Eligibility for admission

Bachelor degree from any recognized University in India and abroad in any branch of Life Sciences with not less than 55% of marks in aggregate.

### Sanctioned Seats: 18

Candidates awaiting for their final year results can also apply.

### COMPANIES VISITED AND PLACED OUR STUDENTS

- |                                   |   |
|-----------------------------------|---|
| • MV Diabetes, Chennai            | • SPI, Chennai                                    |
| • Ajuba, Chennai                  | • Research and Diagnostics Solutions Pvt Ltd      |
| • Accenture, Chennai              | • Enervy Engineering, Chennai                     |
| • Scientific Publication Services | • Algamarine Biotech, Chennai                     |
| • Thomson Reuters, Chennai        | • Manathi Biotech, Chennai                        |
| • CP Aqua, Chennai                | • Realgae, Chennai                                |
| • BSR Hatcheries, Chennai         | • Centre for Ocean Studies, Sathyabama University |
| • Armats Biotech Pvt Ltd          | • VIT University, Vellore                         |
| • Jayagen Biologicals, Chennai    | • Chung Ang University, Seoul, South Korea        |
| • Mediclone Biotech, Chennai      | • National Institute of Oceanography, Goa, India  |
| • Neemtech, Siruseri, Chennai     | • James Cook University, Australia                |





A State of the Art Polaris Bridge Simulator has been installed in our campus. Kongsberg, Norway, leaders in Maritime and Offshore Simulators have supplied the hardware and the software for this Simulator. This advanced equipment will add skills to our students to navigate ships of all classes, plan and conduct passage, determine location, use radar, respond to distress calls etc., all sitting in front of the Simulator, powered by

advanced technology. No lesser in technology is the Neptune Engine Room Simulator, which was simultaneously installed. This 21st Century simulator will provide the student Real Time/ Hands On experience with Diesel Engine Plants. This Simulator along with the Bridge Simulator will replicate the activities of a real ocean sailing vessel.



# RESEARCH & DEVELOPMENT DIVISION



Photo Courtesy : A2 SEA

The University is engaged in pursuing Quality Research in the following Maritime Emerging Areas.

- Maritime Education, Ship Design, Marine Pollution, Maritime Security
- Climate Change, Vessel Traffic Management, Ocean Acidification
- Coastal / Marine Management, Inland Water Studies, Estuarine Studies
- Maritime Policies, Shipping & Logistics Management, Maritime Law
- Marine Insurance, Maritime Fleet Operations, Oil & Gas, Wave Energy
- Marine Human Resource Management, Offshore Wind Energy
- Port Safety and Waste Management, Coastal Hazards, Disaster Mitigation
- Oil Pollution and Oil Slick, Marine Navigation, Cargo Handling
- Material and Invasive Species, Bio fouling, Maritime Ecology
- EXIM Studies, Maritime Boundaries, Maritime Terrorism and Piracy
- Deep Sea Mining, Health and Environment, Chemical Dispersion.

To enhance and sustain Research Activities at AMET University the following THREE Research Centres have been established.

- Centre for Marine Exploration
- Centre for Ocean Information Services
- Centre for Non Destructive Evaluation

## INTERNATIONAL RESEARCH JOURNALS

**Number of International Research Journals published : FOUR**

**Frequency of publication : Bi-Annual**

60% of the papers from International Authors with many International experts in the Editorial Board.

### 1. AMET International Journal of Management (AIJM)

ISSN NO: 2231 – 6779

### 2. AMET International Maritime Research Journal (AIMRJ)

ISSN NO: 2347 – 274X

### 3. AMET International Journal of Physical and Chemical Science

ISSN NO: 2395 - 6275

### 4. AMET International Journal of Marine Biosciences (JMBS)

ISSN NO: 2454 - 3519 for printing and ISSN NO: 2454 - 3527 for online

## TRAINING AND CONSULTANCY SERVICES

The Consultancy Services rendered to various Industries/Research Organizations in the form of Industry Consultancy, Project Management, Ship Repair & Maintenance, Aquaculture etc.

## ACADEMIC RESEARCH PROGRAMMES

### Ph.D.PROGRAMME

Full time & Part-Time

### M.PHIL PROGRAMME

Full - Time & Part - Time

## INSTITUTIONAL MEMBERSHIP WITH PROFESSIONAL SOCIETIES

- International Association of Maritime Universities (IAMU)
- Association of Indian Universities (AIU)
- Indian Science Congress Association (ISCA)
- The Biotech Research Society of India (BRSI)
- Indian Society for Technical Education (ISTE)
- Computer Society of India (CSI)
- Royal Institute of Naval Architecture (RINA)
- All India Management Association (AIMA)
- The Institution of Engineers (IE) India





## DEPARTMENT OF CHEMISTRY

Studies of Engineering and Technology are the applied aspects of basic sciences like Chemistry, Physics and Mathematics. The Department of Chemistry inculcates basic theory and practical aspects of Chemistry for engineering courses, including marine.

Research activities are flourishing in the fields of marine corrosion inhibitors, marine dyes, marine pharmaceuticals, natural products, heterogeneous catalysis of mixed oxides and clays, mineral processing, bio geo chemical cycling of iron & sulphur and Baylis Hillman Chemistry.

Five candidates have registered for their PhD programme, at present.

## DEPARTMENT OF PHYSICS

All branches of Engineering stands on two pillars-Mathematics and Physics. Here in AMET University, Physics finds a pride of place in the curriculum of all Engineering branches and Nautical Science. Theory classes are supported by adequate experimental works in the spacious & modern physics laboratory.

The department is encouraging research activities. At present research is carried out in Crystal Growth. During the next academic year, we propose to add Thin Film Technology to research field.

## DEPARTMENT OF MATHEMATICS

No need to say that MATHEMATICS plays an important role in all walks of life. Here in AMET University, Mathematics is taught to the students of all branches. The class rooms are well furnished to teach mathematics.

The Department of Mathematics is well equipped with experienced and talented teachers. Currently research is going to Finite Element Method. Also we have proposed to do research in Operations Research and Fluid Dynamics.

## DEPARTMENT OF INFORMATION TECHNOLOGY

The Information Technology (IT) permeated in many areas of the Merchant Navy, Naval Architecture & Offshore Engineering and Petroleum and Oil and Gas Exploration where IT solutions have vital role to play. In addition, Information Technology will have a great impact in the maritime environmental research. This has been made possible due to the developments in leading edge technologies such as intranet, the internet, the web, high speed networking, data security, cloud computing, system management, disaster recovery, knowledge-based engineering and Artificial Intelligence (AI).

The Department of Information Technology imparts computer education for the students of other core departments and emphasizes the use of computers as sophisticated problem-solving tools. It ensures that students will be able to integrate theory and practice and recognize the importance of abstraction.





## Department of Physical Education

The Department of Physical Education, AMET University, Chennai came into existence in the year 2001 as a tiny unit. The accelerated pace of sports achievements of the University over the recent decades have been instrumental in enabling the department to grow from strength to strength and occupy a place of prominence in the developmental road-map of the University.

The primary aim of the Department throughout has been to offer Physical Training and Games as a subject (Practical) for all the First year DG Courses. Apart from this the department offering a playing opportunity to all University cadets and students desirous of practicing sports and to encourage the talented ones to make sincere effort to achieve the highest distinction in sports at state and national levels. The Department of Physical Education is well equipped with good infrastructure and conducts activities like Yoga, Swimming & All sports and Games etc. Sports are intact a way of life for the cadets / students conscious of health fitness. Physical education, learning experiences offers a unique opportunity for problem solving, self expression and socialization. A well implemented comprehensive programme is an essential component to the growth of body and mind.

Physical Education department provides opportunity for cadets and students to increase their physical activity levels through Intramural Tournament every year. The following sports & games such as Carrom, Table Tennis, Chess and Outdoor games such as Badminton, Basketball, Cricket, Football, Kabaddi, Swimming, Handball and Volleyball were conducted by the Department for all the Cadets and Students of the University.

## Infrastructure

For the overall development of cadets & students, the Department of physical education maintain the following indoor and outdoor sports facilities.

1. Swimming pool
2. Badminton courts
3. Basketball court
4. Cricket nets
5. Football Field
6. Handball courts
7. Kabaddi court
8. Volleyball courts
9. Chess
10. Carrom
11. Table Tennis

In addition to that, 2 Gym for Boys and 1 Separate Gym for Girls with 11 multipurpose machines along with all weight training equipments is available.

The Department organized coaching camps in the campus and sent the University Sports Team players to participate in the Inter University Tournament conduct by Association of Indian University. Our University cadets / students participated in various State / National and International Level competitions and bring laurel to the university.





## DEPARTMENT OF ENGLISH

AMET English Department grows into a greater prominence with its assuming varied assignments and responsibilities, academic, research and extracurricular.

All cadets / students of DG and Non-DG courses are taught English for enhancing the cadets / students communication competency. English Department has established its professional resourcefulness by conducting successfully a 45 day English Crash course on the campus for the less fluent students. The department prepares and distributes context based and competency-oriented course materials and handouts for Maritime English and conducts mock interviews and GDs for the placement aspirants and pays individual attention to the Englishly disadvantaged students. Furthermore the Department has taken the onus of training the Angolan and Nigerian cadets/students in English through its highly motivated language trainers. IELTS Training is also offered for international students. Importance of English in Maritime context English has been gaining greater importance for global communication. Its competency enhances one's confidence and employability in the global situations.

Now that more than ninety percent of the world trade is governed by merchant navy, the mariners need to give more importance to English language as it serves as a connecting common language among multi nationalities and the resultant cross cultural situations.

The English Department is engaged in teaching and training marine cadets / students of different branches to equip them with English language fluency along with the technical one.

## DEPARTMENT OF SOFTSKILLS

Department of Soft Skill Training came into existence in January 2010. Considering the fact that during the last decades in society the perceived importance of soft skills has increased significantly, we have incorporated the department of soft skills into mainstream to fortify the skills & competency of the students.

Soft skills are personal attributes that enhance an individuals' interaction effectively and highly deal with behavioral competencies of the students, Interpersonal Skills, Effective Communication, Positive Thinking towards life and workplace, Conflict Management, Leadership, Team building, Job performance and career prospects.

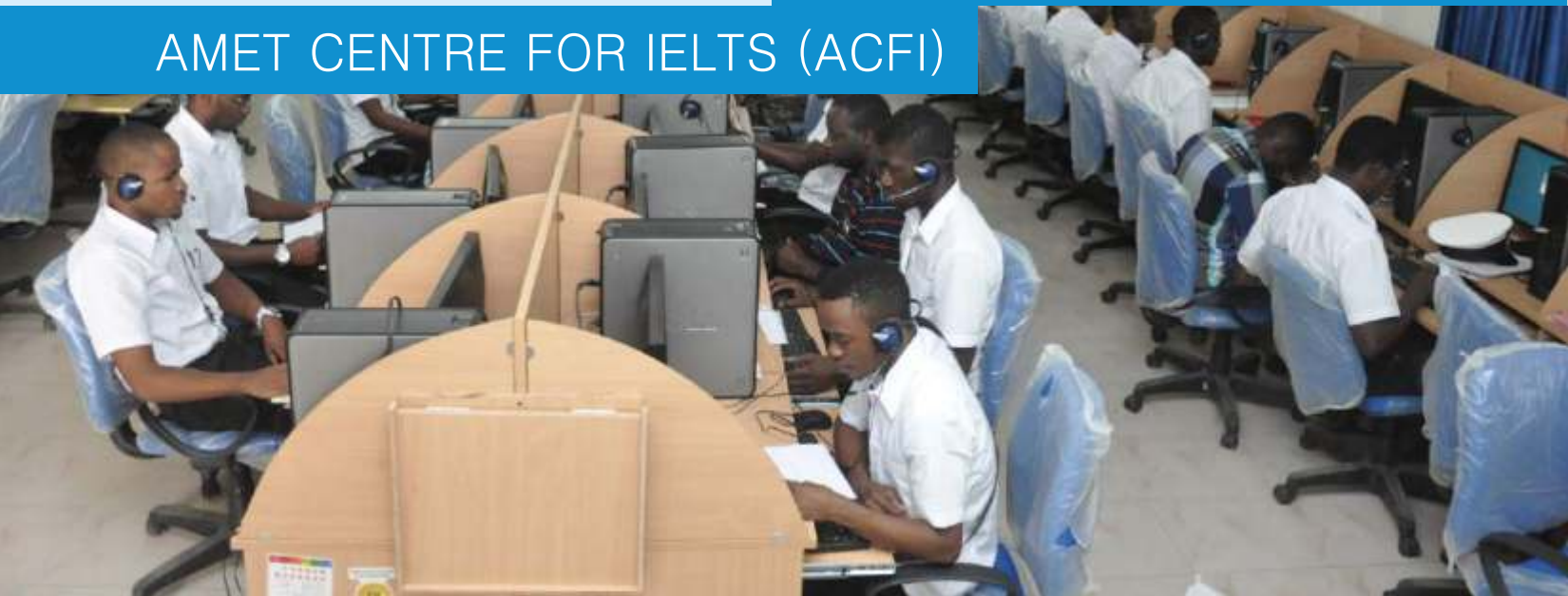
## DEPARTMENT OF FOREIGN LANGUAGES

AMET University is known for offering courses and programmes which facilitate students to get employment both in India and abroad. As a part of imparting skill development and enrich knowledge in Foreign languages, University has established an exclusive Department for foreign languages.

French, Spanish, Italian, German and Chinese languages are the part of the curriculum of the courses. Well qualified and experienced faculty members are imparting these languages to all the students of the University.



# AMET CENTRE FOR IELTS (ACFI)



ACFI has a strong commitment to provide quality English language teaching and excellent student services.

The Centre is accredited by the British Council for the exam registration of IELTS (International English Language Testing System) and holds the gold membership certificate for the 2013-2014 partnership program with the British Council.

Our English Course is designed to give you the confidence to communicate effectively in real-life situations. The courses provide a balanced program focusing on the skills of speaking, listening, reading and writing whilst covering essential grammar, vocabulary, pronunciation, idioms and colloquial language.

The course offers effective training for students who need English for work, study or travel with a major emphasis on IELTS (International English Language Testing System) exam preparation for students who need to study in the UK as part of their twinning program at AMET.

## Highlights of our training

- A friendly, caring and safe learning environment
- A variety of English language courses for different groups, including staff members
- Experienced and professional teachers
- Excellent facilities
- Different nationalities every year
- Free support and advice
- A full program of morning/afternoon lessons with various activities & excursion
- Unmatched lab facility
- Comprehensive Study Material
- Section wise repeated training
- Excellent results
- Full-time exam courses, Monday to Friday, with the exam at the end of the course
- Regular tutorials with your teacher to give individual help and study advice

- All course material + end of course certificate included
- Regular monitoring of progress
- Choice of exam module (Academic / General)
- Exam registration included

## Courses Offered:

1. English for International Communication for overseas students
2. IELTS Exam Coaching
3. Special Spoken English classes for
  - Indians
  - Staff Members
  - Less privileged students of the community
4. Special pronunciation Class
5. Individual coaching in all four skills (listening, reading, writing, speaking)
6. Counselling for students (academic & personal)







A full-fledged and exclusive department of Placement came into existence in January 2010, considering the fact that during the last decades in society the perceived importance of skills necessary for employment in addition to academic knowledge, has increased significantly.

Personal attributes that enhance an individuals' interaction effective and highly deal with behavioral competencies of the students, Interpersonal skills, Effective Communication, Positive Thinking towards life and workplace, Conflict Management, Stress Management, Time Management, Leadership, Team Building, Job Performance and career prospects. It is not just a competitive world but a competitive job market especially in the Maritime Industry. The huge responsibility of placing every cadet/student is accorded "highest priority" of the Placement Department.

AMET has been considered as a one-stop recruitment destination for companies which are into multiple areas of Maritime Industry. Sailing on-board the ship, Offshore, Dredging, Oil exploration, Ship designing building/repair, Electrical and Electronics manufacturing, Coastal Modeling, Wave Dynamics, Under-water Pipelines, Break-water construction are a few areas to mention where our cadets/students have been placed across the globe. Companies like **Shell Ship Management , Seastar, Synergy, UOSM, Seateam, TPK Group, ISL, Kuehne+Nagel, MISC, Vik-Sandvik, Scorpio, Leaap International, Ocean Masters, Herning Shipping, Northern Marine, Larsen & Toubro, DA-Desk, CRS, Sembcorp Marine (Sembawang & Jurong Shipyard), Indomer Coastal Hydraulics, Mitsui OSK Line, Maersk Line- Singapore, Pipavav Defence & offshore, Tsakos Ship Management Greece , SCI, Chevron, AET , VR Maritime, APL Singapore Herning Shipping, D'Amico Ishima etc.**

The Placement department continue to network, establish contacts, and invite companies in India and abroad with a policy 'leave no stone unturned' In order to make the students employable an assessment is made to know the needy area of training, A Training Need Analysis (TNA) is done. The students are assessed on various aspects including Communication skills, Attitude & Aptitude, Skills, Knowledge (CASK) and an independent Placement Score Rating is calculated and displayed to make it transparent.

The placement score rating is used to prepare an individual Intervention Plan (IIP) and is taken as reference document for formulation of Training course. We do invite professional trainers to supplement to efforts of Placement department. One specific program tailored as "Remedial Training for English communication skills , where students from Tamil / other vernacular Language medium schools who find it difficult to converse in English are given confidence building Sessions with public speaking . Thus the EPT (Essential Placement Training) prepared by the Placement department is an unique proposition of AMET.

# AMET STUDENTS PLACED WORLD WIDE

## B.E. Marine Engineering and B.Sc. Nautical Science cadets



## B.E. Naval Architecture Students



# AMET STUDENTS PLACED WORLD WIDE

## Master in Business Administration Students



## Bachelor in Business Administration Students



## B.E. Harbour and Ocean Engineering



## B.E. Electrical and Electronics Engineering - Marine





# STATE OF THE ART – LIBRARY



## Prof. V.B.S. RAJAN LIBRARY

The Central Library is situated in the Raja Raja Cholan building and the total area of the library is 21499.97 Sq.ft. The Library is named as Prof. V.B.S. RAJAN LIBRARY it is Automated Library consisting Books, Periodicals, Dissertations, Back Volumes, Projects and e-journal facilities, etc., We are having wide collections of Books and Periodicals.

## ICT DEPLOYED IN THE LIBRARY

The Library uses the popular AutoLib Library Software for the Management of library activities with the Bar-Coding method for transaction of documents

## ACCESS CARD

The University provides with Bar-coded identity for all the student and staff Members which can be utilized for Borrowing Library documents.

## CONSULTATION CARD

The University has Institutional Membership with the following Institutions for further knowledge needs of the user

- American Council Library (ACL)
- British Council Library (BCL)
- Madras Library Net Work (MALIBNET)
- Anna University-CUIC (Centre for University Industry Collaboration)

## FLOOR PLAN

The University Library has a separated independent Building consisting of Ground floor and First Floor.

### Ground Floor

Reference books, Faculty Publications, Thesis / Dissertations, Back volumes, Periodicals, New arrival of books, Newspaper stand, Research cubicle and comfortable with spacious reading hall.

### First Floor

Books stacks consists of excellent collection of Marine Engineering, NauticalScience, Naval Architecture, Petroleum Engineering, Harbour and Offshore Engineering, Marine Electricals and Electronics Engineering, Marine Biotechnology, Management Studies, Science and Humanities and rare books. The Library has a separate section for circulation, Digital Knowledge Centre, Audio Visual Centre and comfortable with spacious reading hall and Air conditioned facility available.

## FACILITIES

### COLLECTIONS

Total No. of Titles	: 17220
Total No. of Volumes	: 67452
Theses/Dissertation	: 1155
Back Volumes	: 1900
No.of CD ROM & VCD	: 1937

### PERIODICALS (Print)

International	: 44
National	: 76
News Papers	: 10

## E- RESOURCES

IEEE	: 169 Journals + Back file to 2000
ASCE	: 34 Journals + Back file to 1983
ASME	: 26 Journals + Back file to 2000
EBSCO	: 2471 Journals Business Elite Journals
Ebook	: 40,000
DELNET	: Online

## NPTEL

Video Courses:	11543
Web Course Materials:	505

## SERVICES

Internet, Inter-library loan, Reference / Referral, New Arrivals, Article Indexing, Newspaper Clippings Content, Abstract, Question Banks, Photocopying, SDI Service, Printing, Downloads, OPAC.

## USER ACCESS

Library follows the OPEN ACCESS. So users can approach the subject wise book racks to find our books, periodicals and Projects. For searching the Books by Title, Author and the Publisher wise etc., the users can avail the facility of Online Public Access Catalogue (OPAC) at our Campus. The user can reserve the books by using user name and Password through the internet. The user should borrow the reserved books with in 48 hours if not the reservation automatically cancelled.

## WORKING HOURS

On Working days	: 09.00 A.M - 09.00 P.M
Sunday	: 09.00 A.M - 05.00 P.M
During Examinations	: 09.00 A.M - 10.00 P.M
During Vacation	: 09.00 A.M - 05.00 P.M
Closed on National Holiday and Festival days	





## FIFTH CONVOCATION



Fifth Convocation of AMET University held on 03.08.2015. Shri. Kiran Kumar, Chairman, Space Commission, Secretary, Department of Space and Chairman, Indian Space Research Organisation (ISRO), Bangalore is the Chief Guest and Dr. P. Chellapandi, Distinguished Scientist, Chairman & Managing Director, Bharatiya Nabhikiya Vidyut Nigam Limited, Department of Atomic Energy, Kalpakkam received the Degree of Doctor of Science (Honoris Causa)







## RESIDENTIAL FACILITY







# AMET TRUST



## President

Dr. J. Ramachandran is the President of AMET Trust under whose aegis AMET University operates. He is also the Chairman of a social welfare organisation called New era Association of Educated Self-Employed Youth (NAESEY) which generates self employment opportunities for the educated unemployed. He was sponsored in the year 1994 by the Government of USA to participate in a community symposium along with leading social activists from 18 other countries. The associates of Dr. J. Ramachandran include Saraswathi Institute of Medical Sciences and AMET Shipping India Private Limited. He was awarded Doctorate of Honoris Causa by York St. John University, York, UK on 19th November, 2010

## Managing Trustee

Mrs. Susheela Ramachandran is the Managing Trustee of AMET University. She is an Educationist and a social activist. The women of our generation have become far more independent than their predecessors. The women workforce has greatly evolved achieving places of power and success. Being a Predecessor, she has achieved all these credits.

She is a Post-graduate from Madras University. She is a reputed teacher and trainer and she has spent more than three decades in Educational sector. Her motivation and practical exposure have made AMET unique in the field of education. She is an exuberant personality in the Campus.





## Vice President

The Vice President of AMET University Mr. Rajesh Ramachandran is an MBA graduate from Cardiff Business School, UK. He looks after finance management and administration of the university. He was the draftsman for entering into collaboration with leading universities in the UK and also responsible for interacting and drafting MoU's for students' placements with leading shipping companies in the world.

Being a leading university means that we are constantly striving for the best possible student experience and Mr. Rajesh Ramachandran has always been a source of inspiration and an example for the students at AMET. As the youngest, dynamic and most enterprising personage on the team, he aims to help our students capture the excitement of discovery in their learning, to reinforce the need for inquisitive minds and creative thinkers, and to produce in our graduates the core skills and attributes employers want.

As the Vice President of this amazing University, he enjoys the wide-eyed enthusiasm the new students arrive with, and is passionate about seeing that enthusiasm sparked into their academic and personal life. He whole heartedly believes that the students of AMET will be better leaders in the society and in their workplace because of the transformational training they will receive as upcoming Maritime Leaders of the world.

## Trustee

Mr. S. Karikalan is a trust representative, AMET University. As a graduate from the University of Madras, he had organized student movement in creating self awareness to understand their right and accountability and also has participated in international students' conferences. He shoulders all the major responsibilities in Administrative and finance activities of AMET and steers the University to function as a world class university. He is a motivator for the youth to gear up and develop self confidence in their own abilities to create a successful future. He was formerly a Rotarian and presently he is a member of the Lions Club renders social service to the needed people and organizations. He also coordinates with various educational related authorities for the smooth running of the University.



## Director - Administration



The Director of Administration, Mrs. V. Sangeetha Albin, B.E, MBA, has overall responsibility for ensuring the efficient operation of the administrative activity of the University. Formerly worked as Solutions Engineering South India Manager in Kuehne-Nagel, a German based MNC and was deputed in Bremen, Germany for handling European logistics projects. She partners with senior leadership in the execution of various projects as required and provides executive support. As an energetic young director, she manages various employee relations issues, functions as a mediator and assists in reviewing employee needs and recommends appropriate training and development programs.



## ACADEMIC GOVERNANCE at AMET



### Vice-Chancellor

Col. Dr. G. Thiruvassagam brings with him his dynamic experience of four decades, his keen sense of justice and his generous spirit of fraternity all of which served him well in a career spanning 34 years as Professor of Commerce and Management and 10 years as Principal and a stint as Member of the Syndicate of Madurai Kamaraj University that culminated in his being nominated as Vice Chancellor for two successive terms (between 2006-2012) of two eminent universities in Tamil Nadu namely Bharathiar University, Coimbatore and the prestigious 155 year old first 'Port' University of India, the University of Madras.

Col. Dr. G. Thiruvassagam has had the privilege of serving as a Member in various committees of prestigious bodies including Planning and Academic Committees and Visiting Committees of University Grants Commission, as well as Visiting and Evaluation Committee of National Assessment and Accreditation Council. He has served as Executive Committee Member in Tamil Nadu State Council for Higher Education which is the top level Planning Board of the Higher Education of the State. He was one of six Vice Chancellors of India invited to serve on the Central Advisory Board for Education (CABE), the apex body responsible for making recommendations to the Ministry of Human Resource Development on all aspects of Higher Education.

### Pro Vice-Chancellor

Dr. Swapan Dassarma, Ph.D., President and member of the Board of American Digital University (ADU). 26 years in academia, 6 years as a senior executive and Head of e-learning in a MNC, and 10 years of professional experience as a marine engineer. Experience ranges from school management at college and professional levels to technology application and management of higher education locally and worldwide; the other important area of expertise involves in development of e-learning at various educational and vocational levels and specializing in developing tailor-made "blended learning" curriculum for institution and industry. Involved from inception to fruition of ADU as an approved on-line university by the State Council of Higher Education (SCHEV), Virginia. Developed the ADU business plan and the school operational procedures. Provided the leadership in creating a quality manual for e-learning at ADU. Directly involved in ADU operation and management on a day-to-day basis including all liaison with students and users, government agencies, institutions and industries for business development and working of the ADU business.



### Registrar

Dr. P. Saravanan, M.A., M.Phil., Ph.D., Former Registrar of the University of Madras, has 35 years of academic experience in teaching and educational administration. He proved his administrative acumen, whenever he was asked to shoulder the administrative responsibilities. He had served for five years as Controller of Examinations and two years as Head of the Department of History at Govt. Arts College, Chennai, where the sound practices he had established were appreciated by fellow academicians. He had the great opportunity of serving as the Registrar of the University of Madras for nearly two years. His sincerity of purpose, commitment towards the growth of the institution and the dedication in discharging his responsibilities, attest the fact that he deserved that exalted position. He continues his academic service as Registrar at AMET University.





## ACADEMIC GOVERNANCE at AMET

### Controller of Examinations

Dr. K. Duraipandian, M.Com., M.Phil., Ph.D, has been serving as an Educationalist for the past 39 years. He worked as Professor of Commerce at RKM Vivekananda College, Chennai, for 29 years and 10 years Principal at JHA Agarsen College, Chennai. With his Vision and Mission, he made Agarsen College a 'A' Grade College within a span of 3 years and also instituted a Regular Research in the Department of Commerce and produced 5 PhDs and also instituted Regular Research in the Department of Commerce and produced 5 PhDs and 25 M.Phil since 2002. During his tenure as Principal he instituted a unique Under Graduate course B.A.(Criminology & Police Administration) at JHA Agarsen College in the year 2009 (affiliated to University of Madras) first of its kind in the Indian Universities, functioning similar to Tamil Nadu Police Academy. The Higher Education Department of Govt. of Tamil Nadu awarded him 'BEST TEACHER' award in the year 2009. Now he has been assigned the position of Controller of Examinations at AMET University.



### Chief Executive Officer

Mr. K. Seyadu is the Chief Executive Officer of AMET University. He has been associating with Maritime Training for over 26 years. He was earlier a Lecturer in the Training Ship 'Rahaman' at Navi Mumbai and at the National Institute of Port Management at Chennai. He has been with AMET University since its inception.



### Principal - DGS Courses, Chairperson, School of Marine Engineering, & HOD - Department of Marine Engineering

KR. Chidambaram a mechanical engineering graduate from Madurai university. Completed marine engineering training at Madras Port Trust and joined SCI as junior engineer in the year 1973. After serving in SCI for 9 years joined 'Univan Ship Management Ltd; Worked continuously in univan for about twenty two years. Having sailing experience for about 31 years and a MOT First class Motor certificate holder. Served in the rank of Chief Engineer for about 21 years in various types of ships such as general cargo ships, crude oil carriers, chemical tankers, containers and passenger ships. Joined 'Sri Venkateswara College of Engineering' as Professor in marine engineering department in the year 2003. Worked for three years there. After sailing for one more year joined AMET as professor in marine engineering department in the year 2007. Taken over charge as Head Of The Department for Afloat Training Program in Ship-In-Campus. Taken over charge as Principal for Directorate General Of Shipping courses in the year 2015. Had made three Publications in international magazines. Nominated as examiner by Directorate General Of Shipping, India. He is also member of the Marine Engineering Board of Examinations in Anna University, Chennai.





## ACADEMIC GOVERNANCE at AMET

### Director - Research

Dr.N.Manoharan is Director – Research of AMET University, Chennai. He is doctorate in Mechanical Engineering with over 29 years of Teaching, Research and Administrative experience in Engineering College / University level. He has specialized in the area of Internal Combustion Engines, Thermography, Radiography and Nano Technology..He has published around Three Hundred Technical papers in different National / International Journals / Conferences of various areas of research. He has organized Four Hundred and One Scopus Journal level Technical Papers in various National / International Scopus Journals. He has filed Eight patents in various areas of Research. He has worked around Forty Two sponsored projects and organized to receive Fifty sponsored projects from various Government of India funding agencies. Presently he is working Two Government of India Research Projects.He has organized many MoU's with Government of India Organizations for various Universities/ Colleges. He is a life Member of more than Sixteen Professional Societies. He has served in various higher positions in different Organizations including Vice-Chancellor, Director, Dean, Professor and Principal. He has served as Executive Council Member of Indian Society for Technical Education (ISTE) for four years and Chairman of Tamilnadu & Pondy section of ISTE for two years. He has also served as Editor-in-Chief of Four National and Four International Journals.



### Dean - Post Graduate Studies



Prof. T. Mohan is a Mechanical Engineer from College of Engineering, Guindy, Madras University and had Marine Engineering Training at DMET, Kolkotta. With a sea career spanning more than 30 years starting with SCI Ltd., where he became Chief Engineer, joined AMET in the year 2003 as a professor in Marine Engineering and got elevated as Head of the Department. Specially chosen by AP Moller Maersk, Denmark a leading international shipping company to develop a training centre in India. He joined them in 2005 with the consent of AMET management and established Maersk Training Centre India. He has developed many technical courses and laboratories for MTCT like Hydraulics, Pneumatics, Automation, Electrical and Reefer Containers. He has rejoined AMET in 2008 as a Dean after it became a Marine University and is presently engaged in setting up Post Graduate Studies and eLearning programmes in Marine education.

### Chairperson, School of Nautical Science, Dean - UG Studies (DG Courses) & HOD - Department of Nautical Science

Capt. Yeshwanth Raj, Master F.G.(Dean - Nautical Science) completed pre sea training on T.S.DUFFERIN and T.S.RAJENDRA from 1970 to 1972. Thereafter completed apprenticeship in Shipping Corporation of India and re-joined same company as second officer in 1975 and became Master in 1979. In 1988 he changed over to Foreign-Flagged vessels of various types serving as Master till the year 2000. Shore experience started from joining AMET in 2000 as HOD of Nautical science/STCW. Also became external examiner for Masters and Mates for Certificates of competency at Chennai MMD. Continued with AMET becoming Dean in 2007 when AMET turned into Maritime University and thence elevated as Advisor to the Nautical Science department since 2012. His areas of Industry specialisation include Ship Operation Technology, Masters' business and law, Tanker operations, IMO and International Conventions, Emergency Management.





## ACADEMIC GOVERNANCE at AMET



### Dean - Academic & HOD - Department of Petroleum Engineering

Dr. P.N. Ananthanarayanan is the HOD of Petroleum Engineering. Holds a Ph.D. in Geology from the University of Madras. Served in ONGC for 30 years and was engaged in Petroleum exploration. Has represented India in International seminars and conferences in the USA, UK, Australia, Malaysia and Dubai. Has published a number of technical papers National and International scientific journals.

### HOD - Department of Naval Architecture

Cdr Prashant Kumar (Retd) is a graduate from IIT (Roorkee) and a post graduate in Naval Architecture from IIT (Delhi). He has also done MBA (Finance) from Jamnalal Bajaj Institute of Management Studies, Mumbai. He is a professional Naval Architect who has served in the Indian Navy, Private Marine Consultancy Company and is presently heading the Department of Naval Architecture and Offshore Engineering at AMET University, Chennai. He has an experience of more than 29 years of service in Ship Design, Construction, Survey, Repairs and maintenance of ships, Preservation of ships, Quality assurance and control of Naval procurement.



### HOD - Department of Harbour & Ocean Engineering

Dr. K. Thiruvengatasamy Dr. Eng., M.S., B.E., MISTE is Professor & Head of the Department of Harbour & Ocean Engineering. He has about 17 years of teaching and research experience. His research interests are on wave energy and coastal engineering. He has published more than 25 Research articles in international Journals and Conferences; presently, guiding 5 PhD research scholars. Dr. K. Thiruvengatasamy visited many Countries like, Japan, Ireland, UK, Belgium, China, Canada, USA, for Research Works and Conferences.

### Chairperson, School of Electrical Engineering & HOD- Department of EEE (Marine)

Dr. S. V. Saravanan has completed B.E in Electrical and Electronics Engineering and M.E in Applied Electronics from Anna University, Tamilnadu. He has done Ph.D from the University of Allahabad. He has a total of 8.5 years of experience in the field of teaching. He has five research publications in national and international journal with good impact factor. He is a life time member in IEEE and ISTE. He is an active researcher in the field of Wireless Communication by heading the Centre of Ocean Information services at AMET University with research scholars working under him in thrust areas. He is also a member of Doctoral committee for research and approved as a supervisor for guiding research scholars in various reputed Universities in India.



### Chairperson - School of Mechanical Engg. & HOD - Department of Mechanical Engg.

Dr. R. Rajavel, ME., PhD is a Professor of Mechanical Engineering Department, AMET University, Chennai. He obtained his bachelor's in Mechanical Engineering at Bharathidasan university, Trichy and Master's degree in Thermal Engineering and Ph.D in Heat Transfer at ANNA university Chennai. He has more than 16 years of experience in teaching and research in different subjects of Mechanical Engineering disciplines. He has to his credit 58 technical papers published in National and International Journals and contributed in conferences. He has guided two Doctoral Research Scholars. He has conducted faculty development program and one day workshop which is sponsored by ANNA university Chennai and DRDO Government of India. He was the Principal Investigator of Research Project sponsored by DST, Government of India. Apart from this he holds memberships of various professional bodies like Member in Indian Society of Technical Education (MISTE) and Member Solar Energy Society of India (MSESI).





## ACADEMIC GOVERNANCE at AMET



### Director - AMET Business School

Dr S Ramachandran, Director –AMET Business School, AMET University, Kanathur, Chennai. He is a MBA first class graduate, with a Phd in Management studies, from University of Madras. He has over 20 years of Corporate and academic experience. He started his career in International Marketing and trading of OTC products, and is instrumental in developing innovative FMCG/ OTC products/services to suit the international market requirements. He has travelled throughout India and abroad, establishing new markets for the organizations. He has recently been awarded 'Bharath Vidya Shiromani Award -2014' by IIE, New Delhi, for the outstanding achievements in the field of Education. Proud Recipient of Best Social Innovation Inspirer award from Incube, UK based NGO –December 2013, for the services rendered in educational sector and many more. His formula in academics is simple and practical –other than classroom teaching, motivates the students for doing 'on the job' training' at frequent intervals in leading organisations, and has been providing 100% placements for MBAs for the past three years. He has written and published articles in reputed national and international journals. He has been recognized as a supervisor/guide for guiding Ph.D. research scholars, by various state Government and deemed Universities. Has more than 20 articles published in SCOPUS indexed journals. Travelled throughout India, and has visited Singapore, Malaysia, Indonesia, United Arab Emirates and Sri Lanka.

### Chairperson, School of Life Science & HOD - Department of Marine Biotechnology

Dr M Jayaprakashvel M.Sc., Ph.D., is having a Doctorate in Industrial Microbiology from University of Madras. Since 2009, he is working at AMET University. He is having more than 40 publications in reputed Journals, 29 Conference Papers, 5 Book Chapters and presented 9 invited lead lectures. He has produced one PhD scholar in Marine Biotechnology during 2013 and presently guiding 3 PhD scholars. He also guided 4 M.Phil Scholar. He is a member of 9 professional bodies/ societies. His research interests are Marine Microbiology, Bioactive Metabolites, Quorum Sensing, Plant Pathology. He is also serving as Coordinator for Internal Quality Assurance Cell of AMET and also Head i/c for PhD admissions.



### Dean-Curriculum Development & HOD - Department of Information Technology

Dr. V. Balamurugan received his Ph.D in Computer & Information Technology and M.Tech degrees from Manonmaniam Sundaranar University, Tirunelveli, India. Currently he is working as an Associate Professor in the Department of Information Technology, AMET University, Chennai, India. He is a Dale Carnegie certified teacher. He has 11 years of engineering teaching experience and 16 years of industrial experience. His research interests include data mining, pattern recognition and digital image processing. He has published more than 25 research papers in the international/national journals and conferences.

### HOD - Department of Mathematics

Dr.D.EBENEZER M.Sc, M.Phil, M.Ed, PGDCA, PhD., presently he is the Professor and Head of the Department of Mathematics. He has put up 40 years of teaching experience out of which 4.5 years in Engineering Colleges and he served in the Department of Higher Education, Govt. of Tamilnadu in various capacities such as Associate Professor, Professor, Principal Grade II, and Grade I in Govt. Arts & Science colleges and Govt. College of Education in Tamilnadu. Further he served as the Joint Director of Collegiate Education, Tirunelveli region. During his collegiate service he was working as an Associated NCC Officer (Senior Division) in the rank of Captain (Army Wing). During his tenure as a Principal, Govt. College of Education, Vellore, he served as the Principal Co-ordinator for the Indira Gandhi National Open University, New Delhi. He served as a Visiting Team Member to inspect the infrastructural and instructional facilities available in the Teacher Training Institutions in the states of Tamilnadu, Andhra Pradesh, Karnataka and Kerala by the National Council for Teacher Education, Bangalore. He further served twice as a member in the Committee constituted by the University Grants Commission, New Delhi to inspect the Autonomous Colleges in Tamilnadu during 2009-2010. He has served as a Government Nominee in the panel of selection committee constituted by Manonmani Sundaranar University, Tirunelveli. He worked as a senior member in the committee of selection of Asst. Professors in Govt.Colleges by Teachers Recruitment Board, Government of Tamilnadu. His research area is Signal Processing and Stochastic Processes. He is a life member of professional bodies: Indian Society of Probability and Statistics, Ramanujan Mathematical Society and Indian Society of Applied and Industrial Mathematics.



## ACADEMIC GOVERNANCE at AMET

### HOD - Department of Physics

Dr. R. Gandhimathi has graduated her Master of Science in Physics from Madurai Kamaraj University. She pursued her Ph.D at Crystal Growth Centre, Anna University, Chennai, in the year 2013. She is having 8 years of teaching experience. Her areas of interest include growth of organic nonlinear optical single crystals, preparation of semiconductor and plasmonic nano particles for optoelectronic applications. So far she has published 7 research papers in International Journals and presented 8 papers at various National seminar and workshops.



### HOD - Department of Chemistry



Dr. T.R. Heera did her master's degree in Applied Chemistry from Anna University, Chennai. She obtained her Ph.D degree from National Institute of Technology, Trichy for her work on polymer based quantum dot solar cell. She joined AMET University in the year 2009. She has more than 5 years of teaching experience. Her research interests include Nanomaterials, Photocatalysis, Lithium ion batteries and Hybrid solar cells. She has many national and international publications to her credit.

### Chairperson, School of Language Studies & HOD - Department of English

Mrs. S. Gomathy, M.A, B.Ed, M.Phil, Ph.D. is the Head of the department (i/c). She has 25 years of English language teaching experience and headed a Central Government project for 4 years as the Director. Her vast experience in the field of Education makes a visible difference. She carries out innovative techniques to enhance spoken fluency among the students by incorporating softskills training. She is an active member of Anti sexual harassment committee and Gender sensitization cell.



### Director of Physical Education

Dr. M. Vijayaragavan, M.Sc., M.P.Ed., M.Phil., Ph.D., Director, Department of Physical Education, at AMET University, having 18 years of Experience. He worked as a Director of Department of Physical Education at Rajalakshmi Engineering College, Chennai for 15 years also he worked as Asst Director of physical Education of college of Engineering, Guindy, ANNA University for 2 years. He was the Anna University Team Selection committee members in various games like Cricket, Volleyball and Ball Badminton etc. He was the Executive committee member in Tamil Nadu Inter Engineering Sports and he accompanied with the Judo, Fencing and Rowing, Best Physique, Weight Lifting, Power Lifting teams as a manager during the year 2013-2015. The Anna University teams under his guidance got championship in the All India Inter University Tournament and he received "Best Coach Award" from Anna University in Annual Sports Award function held at Anna University on 12.10.2015. He was also in the Anna University Sports quota engineering admission scrutinizing committee. He was an organizing committee member in many All India Inter University tournament and South Zone Inter University tournament which is organized by Anna University.



# Awards at AMET

## Awards

Gold medals awarded for outstanding achievement

- **Best Academic Performance**
- **General Proficiency**
- **Capt. Ib Fruergaard Gold Medal for 'Best Leadership Qualities'**
- **Efthimios Mitropoulos Rolling Trophy for Best of the Best Cadet'**

## Scholarships & Cash Awards

- Chellaram Shipping (Hong Kong)
- MITSUI OSK LINES (Japan)
- K-Line (Japan)
- Shell Ship Management (UK)

## AMET University Scholarship

Two Scholarships have been instituted, one for girl cadet studying B.E. (ME) / B.Sc. (NS) and one for any meritorious student pursuing non D.G. courses.



*President Dr. J. Ramachandran presenting a Certificate of Merit Award to B.E. Marine Engineering cadet.*



*Mr. C. Senthil Pandian, I.A.S., Regional Passport Officer presenting the gold medal and "General Proficiency Award" to B.Sc. Nautical Science Student.*

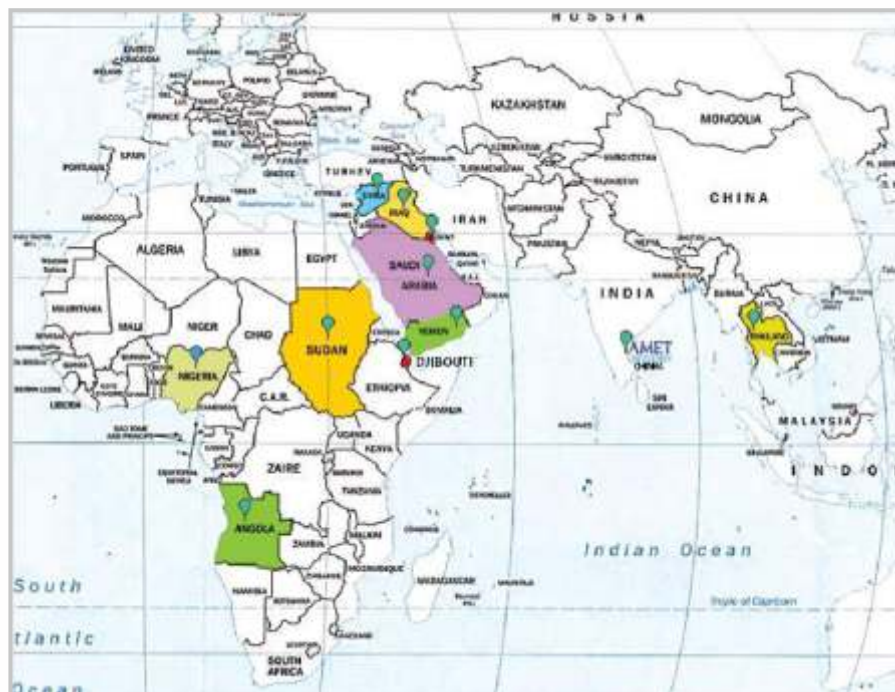


*Capt. Rohan A. Sabnis, M/s. Goodwood Ship Management Pte. Ltd., Singapore presenting the gold medal and "Best Academic Performance Award" to B.E. Marine Engineering cadet.*





# INTERNATIONAL STUDENTS AT AMET





## DISTINGUISHED VISITORS at AMET



*Ms. Irene Mcfoi, Assistant Director of the Nigerian Maritime Administration and Safety Agency and team with our President Dr. J. Ramachandran.*



*Mrs. Aisha Idris Yakubu, Chief Officer, NSDP, NIMASA, Nigeria along with our President Dr. J. Ramachandran gave passed out certificate to the cadet.*



*Capt. Francis Joseph, Director, Herning Shipping Asia Pte. Ltd., Singapore along with our President Dr. J. Ramachandran, Col. Dr. G. Thiruvassagam, Vice-Chancellor, Prof. K. Seyadu, CEO and Dr. N. Manoharan, Director-Research*



*Capt. G. Ramaswamy, CEO, SeaTeam Management and Team along with our Trustee Mr. S. Karikalan, Col. Dr. G. Thiruvassagam, Vice-Chancellor, Dr. P. Saravanan, Registrar*



*Capt. Ajay Manjesh Wagle, General Manager, Global Cadet Administration, M/s. Maersk Line India Pvt. Ltd. and Team visited to recruit our cadets from GME*





## INTERNATIONAL SEMINARS at AMET



Eastern Dredging Association (India) in association with Department of Harbour and Ocean Engineering, AMET University, Chennai organized International Conference on 'Waterways, Port Engineering and Dredging Technology' on 2<sup>nd</sup> and 3<sup>rd</sup> March 2015



Department of Naval Architecture organized International Conference on "Innovations in Designs of Ships & Offshore Structures - MEREDITH 2015" on 23.03.2015



Dept. of EEE organized ICIRMEEE2015 International Conference on Innovations and Research in "Marine Electrical & Electronics Engineering" on 10<sup>th</sup> and 11<sup>th</sup> April, 2015



National Level Symposium "NAVINAUTICS 2015" organized by the School of Nautical Science on 19.03.2015.



AMET Business School in collaboration with Confederation of Indian Industry & CMA CGM Shared Service Centre (India) Pvt. Ltd. organized International Research Conference "Encore-2015 Global Maritime Developments" on 11.02.2015





## SPORTS & CULTURALS at AMET



## EXTENSION ACTIVITIES



YOGA training programme for Rural School Students held at Shri Janakiraman Auditorium on 26.05.2015 organized by Dept. of Physical Education.



Dept. of Nautical Science organized Math Festival for school students at Eureka School, Kalpakkam on 24.01.2015



AMET Eco Club organized International Coastal Cleanup programme on 19.09.2015 from Nemeli to Kanathur coastal area.



Dept. of Harbour and Ocean Engineering organized Public Awareness Workshop Series" on Tsunami, Cyclone, RIP currents, Shoreline Erosion, Ocean Pollution, Global Climate Change & Sealevel Risk and Coastal Disaster on 01.10.2015 held at Kanathur Govt. School.



AMET NSS organized Temple Cleanup Programme on 15.10.2015 at Sri Jagannath Temple, Kanathur.



AMET LEO Club organized Mega Blood Donation Camp in the support of Govt. Rayapettah Hospital on 10.09.2015 held at Shri Janakiraman Auditorium.



## AMET ALUMNI ASSOCIATION - A3



The Fourth Annual Meet of the AMET Alumni Association was conducted in AMET University on 6th February 2016, providing yet another opportunity for the Alumnus to renew their comradeship and exchange of good will. The Alumni present expressed their happiness in meeting their seniors and juniors in the ever growing atmosphere of their Alma mater.

Dr. J. Ramachandran, President of AMET University while welcoming the Alumni appealed them to remember their parents, the Alma mater and their faculty who have helped them to acquire knowledge and skill for their life and career. He made it clear that while the management makes every effort for the employment of all the passed out students, the seniors who are employed and well placed in various companies all over the world should also guide and assist the juniors in getting employment.



Col. Dr. G. Thiruvassagam, the Vice Chancellor of AMET University and the Patron of AMET Alumni Association, expressed his wish that the continued strength and support of the Alumni shall provide a strong, permanent relationship for the benefit and growth of every student passing out from the University. He also emphasized that the Management and their Alma mater stand committed in ensuring their prosperous future.

More than 350 Alumni from all over India enthusiastically participated in the said event and some of them with their family members too. Prior to the start of the function, all the alumni engaged themselves in an inter-action session with their juniors and shared with them the reminiscences of their yester years and also enlightening them of the various avenues available in shipping industries for the meritorious and prospective candidates. The warm and pleasant evening started with the welcome address of its working President, Mrs.V. Sangeetha Albin and was presided over by the Vice Chancellor. The Total Alumni Members as on date is 8080

Prof. Bhoopathi Bhaskaran, Alumni Coordinator of AMET University gave the Annual Report. The function came to an end with a vote of thanks given by the Vice President of the Association.

The function came to an end with a colourful cultural programme of dance and music followed by dinner, making the Alumni to carry with them the happy memories of the meet and also created an eager expectation of the meet which will be in 2017.





# Route to AMET

Distance to AMET  
From

Airport 35 kms

*Pre paid Taxi /  
Call Taxi*

Chennai Central  
Railway Station 30 kms  
MTC Bus No: 19G / 19E

Chennai Egmore  
Railway Station 30 kms  
MTC Bus  
Egmore to Thiruvannmiyur  
29c

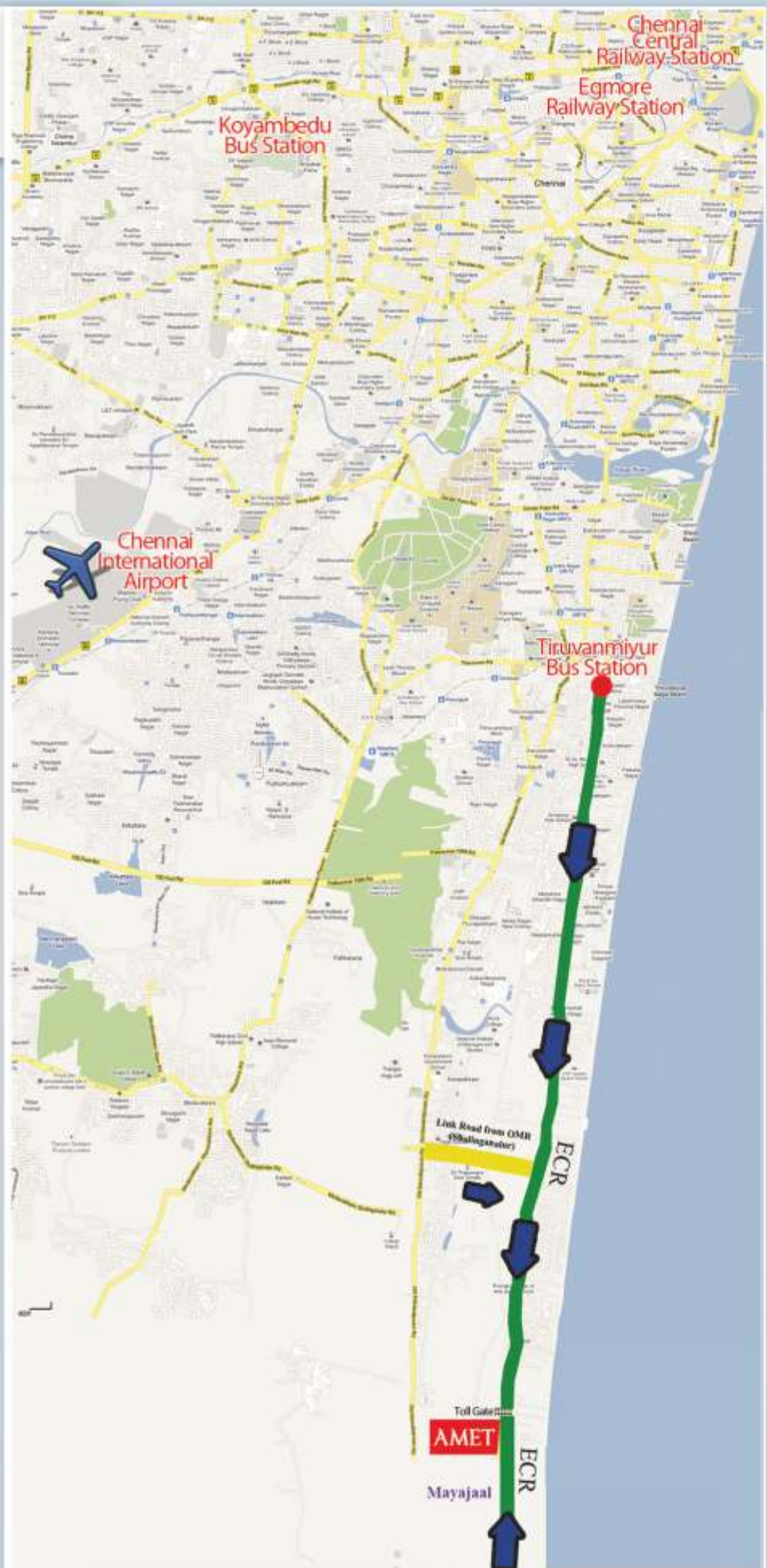
Thiruvannmiyur to AMET Campus  
(Kanathur - Via ECR) PP19X / 19G /  
M19H / PP49 / 588 / 599

CMBT Bus Terminal (Koyambedu)  
PP49

M70 ( upto Thiruvannmiyur )  
Thiruvannmiyur to AMET Campus  
(Kanathur - Via ECR) PP19X / 19G /  
M19H / PP49 / 588 / 599

AMET Campus Landmark  
Before Mayajaal

Hotel Accomodation  
Available at Thiruvannmiyur,  
Neelangarai, Kanathur\_





AMET proudly holds the distinction of  
**"A.1 Outstanding Grade"**  
for all DG Courses on the basis  
of inspection recently  
conducted in July 2014



AMET prime choice  
to **succeed**



**AMET**  
ACADEMY OF MARITIME EDUCATION AND TRAINING  
(Declared as Deemed to be UNIVERSITY u/s 3 of UGC Act 1956)  
CHENNAI • INDIA

#### City Office

5107, H2, II Avenue, Anna Nagar, Chennai - 600 040  
Tel: +91 - 44 26161180 / 26161026 / 1438  
Fax: +91-44-26162827

#### Campus

135, East Coast Road, Kanathur - 603 112, India  
Tel : 91 - 44 - 2747 2155 / 57 / 2905 / 3257 7030 / 7002  
Fax : 91 - 44 - 27472804 / 2747 2904  
Email : office@ametuniv.ac.in

#### Admission Department

087545 99801 / 93443 91418 / 93444 08532 / 93810 55898

All Admission Enquiry Email has to be sent only to  
[admission@ametuniv.ac.in](mailto:admission@ametuniv.ac.in)

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

[www.ametindia.com](http://www.ametindia.com)