

AMET VISION 2025

Strategic Plan

Preamble

Strategic Plan is an essential component for the growth of any Institution. Strategic Planning is an organization's cycle of characterizing its Procedure, Direction, and settling on choices on allotting its assets to seek after this technique. For any organization to develop constantly, it must have an essential strategic plan should be deployed effectively by the set up made in its organization. It might likewise extend to control components for directing the execution of the system. The Academic schedule incorporates the list of pre-arranged programs of different divisions and examinations plan arranged with the recommendations from various committee proposals like Board of Management, Academic Council, Board of studies, IQAC, Heads of Departments, Committees, Cells, Clubs etc., to ensure the improvement of the University in all the fields. The long-term plans have been set down in the essential arrangement in consultation with all the Committees, Departments' panel. The University will support its greatness and peculiarity by following an essential arrangement that is based on Academic process, Research activity, and Employability skill and so on.

STRATEGIC PLAN

The University is progressively marching towards getting established as an **International Maritime Knowledge Hub** by expanding its All-Academic, Research and Outreach activities in the chosen fields. The following priorities outlined in the **Vision 2025** Plan would help the University to achieve excellence in all facets of higher education.

As per the AMET Vision 2025, the following are the Strategic Plans with identified action plans to implement

Strategic Plan and Action Plan to Achieve AMET Vision 2025

S. No.	Strategic Plan	Action Plan
Goal 1: Provide a quality Maritime and associated Professional Education and acquire the stature as one of the top ranking Maritime Universities		
1.1	Continuous improvement in Teaching - Learning process	<p>Adopting Outcome Based Assessment in OBE as per the new reforms suggested by the AICTE.</p> <p>Revision of Curriculum on need basis and to incorporate the recent advancements such as Internet of Things (IoT), Artificial Intelligence (AI) and Machine Learning (ML).</p> <p>Encouraging faculty to attend a greater number of FDP/Conferences/Workshops/MOOCs.</p> <p>Enhancing the teaching and learning experience by the use of ICT, Industry experts, mentoring system, and adopting interactive Pedagogy with Active Learning Methods.</p>

1.2	Improvement in students skills and industry readiness	<ul style="list-style-type: none"> • Inculcating Lifelong Learning skills by introducing self-learning components in the form of Seminars, MOOCs, etc. • Enhancing the Digital Resources in the campus, both online and offline • Incorporating Project-Based Learning for all the core courses in the Curriculum • Imparting skill enhancement with competency certification to all the students • Enhancing the Industry exposure to the students as part of curricular needs. • Soft Skill Training, Language Coaching, Coaching for Competitive Examinations, Career Guidance, Placement, Training and Assistance, Value Added Courses, Industry Certified Courses are provided to the students.
1.3	Centre of Excellence in core programs	<ul style="list-style-type: none"> • Establishing MoUs with Industry to set up Centre of Excellence in core Departments. • Improving existing laboratories / establishing State of Art laboratories in various Departments as Centre of excellence in core programs with related industry support. • Facilitating the lab availability beyond working hours.
1.4	Enhancement of Research (Academic, Sponsored and Consultancy)	<ul style="list-style-type: none"> • Formulating procedures to improve Internationalization for developing good Research accomplishments • Academic Research shall be promoted by providing University Research Fellowship for Full time scholars

	<p>Research; Innovation of students) accomplishments</p>	<ul style="list-style-type: none"> • Faculty members shall be provided with fee waiver and Work load reduction to promote them to do Ph.D. • Seed Money shall be provided to the Faculty to promote their Research activities • Incentives shall be given for Faculty with Funded projects and those who Publish Research articles. • Promoting consultancy services in each Department by encouraging Faculty and also by appointing competent Faculty with proven records earlier • Encouraging the young Faculty for collaborative research with IITs and NITs and reputed Foreign Universities for publishing papers, International patents • Encouraging students to participate in National and International conferences to present and publish papers, insisting research scholars and Post Graduate students to publish in SCI/SCOPUS indexed journals. • Innovative ideas of students shall be encouraged to be translated into commercial products for the benefit of society by funding the student’s projects through MSME and other funding agencies. • Encouraging all the students to participate, in the talent events such as Hackathons to encourage their innovations • The Institution Innovation Council shall promote the innovative ideas of students to develop in to business ideas and support their start-up ventures through Incubation Centre
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1.5	Overall improvement through good Governance practices	<ul style="list-style-type: none"> • Policies, Forms and Procedures shall be defined and transparently known to all Stakeholders • Enhancing the Performance of Governance through adoption of modern technologies • Promotion of Participative Management • A well-defined Decentralized Governance system is in practice for the improved transparency and speedy decision making. • Well structured, active Grievance redressed mechanism is in place for Students, Faculty and Staff.
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Key Indicators of Attainment for Goal 1

- Adopted Outcome Based Assessment in all the Engineering and Management Programs which leads to **100%** implementation by the year 2025.
- Incorporating revisions in Curriculum based on the recent advancements and needs of the Employer.
- Regular consistency in all the Engineering and Management programs which leads to 90% admissions and 100% placement in all the Programs (Our Premier Placement Partners as on 2020 -Maersk Shipping Solutions, Flototech, Sembcorb Marine Limited, Albion Engineering India Pvt Ltd, Seateam Management India Pvt Ltd, Mediterranean Shipping Company, Vik Sandvik Ship Design and Off Shore Engineering India Pvt Ltd).
- Enhanced digital Resources for Education and Research (LMS, ERP. Digital Library, E Learning portals, Digital Repositories, Software etc.) Leading towards 20% improvement in good quality and innovative projects every year.
- 100% ICT enabled class rooms.

- Fully Wi-Fi enabled Campus (Hostels and Classrooms).
- Enhanced Research Accomplishments leads to 50% improvement in R&D in the year 2025 (As on 2020, total Publications-3124; SCOPUS Publications:1472; h-index-22; Citations-3496; Books-221; Patents-45; MoUs-96; Faculty with PhD-69; Faculty doing PhD-49; PhDs produced-67; Completed Projects: 6)
- Enhancing the revenue to the University by 20% through Research, Consultancy etc. (Ongoing Government Funded-25 projects; Consultancy, Seed Money and Industry sponsored projects-276; Mega Projects-4; Total worth of Grants: Rs.18.40 Crores)
- Improvement in Faculty retention ratio.

Goal 2: Enhance Interaction with Society and Industry

2.1	Enhancing Interactions with the Society and Community	<ul style="list-style-type: none"> • Selecting project topics based on societal needs like Energy saving, Green energy vehicles, Remote Sensing Security Systems, Rain Water Harvesting, Smart Irrigation System, Drone-Modelling, Retrofitting in suitable appliances and equipment. • Engaging into Village Adoption Programme to promote Government Schemes and National Missions • Expanding the interactions with Society and Community by engaging Extension, Social Outreach and Community Service events • Offering short term programmes for the benefit of the Community
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2.2	Enhancing Interactions with the Industry	<p>Establishing MoUs and formal collaborations with Industry in Academic, Research and Extension Activities</p> <ul style="list-style-type: none"> • Consulting Industry Experts in various activities of the University, including design and development of Curriculum, Course delivery, Value Added Courses, Guest Lectures, Workshops, Seminars and Joint Conferences etc. • Mandatory Internships, Industrial Visits and In-Plant training shall enhance Industry interactions. • Addressing the needs of Industry through Research proposals, thereby getting Industry sponsored and Consultancy projects. • Institutionalized enhanced interactions with Industry through various forums such as <ul style="list-style-type: none"> ○ Industry Institution Collaboration Cell ○ Entrepreneurship Development Cell ○ AMET Incubation Centre ○ Business Incubator ○ Institution Innovation Cell ○ AMET Alumni Association ○ Career Development Centre
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Key indicators of Attainment for Goal 2:

- Upliftment of adopted Villages by incorporating Sustainable Technological Solutions which leads to good improvement in Employment opportunities.

- More than 100 MoUs with various industries are active both at Institutional and Departmental level leading to 10% of the students turned to be Entrepreneurs. (As of 2020, No. of Business entities incubated: 17; No. of Start Ups Promoted: 11; No. of products available with Proof of Concept: 12; No. of innovative products developed with prototypes: 17; AMET has funded 71 Student Innovations with overall expenditure of Rs.46 lakhs during the past three years).
- Encouraging the Students on innovation and Start-up leads to improvement in the Ranking of **ARIIA** (Atal Ranking of Institutions on Innovation Achievements).
- Enhancing the Consultancy and Industry sponsored projects based on the Demands of industries/organization. (As on 2020, No. of Industry Sponsored Projects-74; No. of Consultancy Projects-85; No. of Faculty Minor Projects-Seed Money Projects-117).

Goal 3: Generating Revenue to the University through Research, Consultancy and Collaborative initiatives

3.1	Identifying and improvising the various avenues to generate revenue to the University through Research, Consultancy and Collaborative initiatives	<ul style="list-style-type: none"> • Promotion of Faculty to propose Major and Minor Projects for Grants/Funding from Government and Private agencies for Research, Development and Consultancy in core areas • Consultancy projects for Cargo ships, Cruise ship propulsion system conversion, retrofitting, etc. With talented pool of experienced faculty in Marine, Electrical, Mechanical Engineering and Management Studies departments • Corporate training: setting up corporate training or Career enhancement training with local companies provides additional funds and increases our reach to Non-Traditional students.
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Key Indicators of Attainment for Goal 3:

- Improvement in good quality funded projects through appropriate Research and Retrofitting solutions from various Government funding Agencies (As on 2020, Sagarmala Project-Skill Development in Maritime Sector with a grant of Rs 814.34 Lakhs; MSME Project- Business Incubator Establishment with a grant of Rs 350.00 Lakhs; ISRO project-Capacity Building in Marine Sciences with a grant of Rs 28.42 Lakhs and DST Projects-Digital Restoration of Poompuhar with a grant of Rs 81.51 Lakhs, No. of Ongoing Government Projects-25, A total amount of Rs.18.40 Crores sanctioned through R&D).

Goal 4: Enhance the interaction with Alumni

4.1	Networking with alumni	<ul style="list-style-type: none"> • Intensifying the activities of the AMET Alumni Association-AAA (Reg No: 135/2015; 28-09-205; Chengelpet Registrar Office, Tamil Nadu; with more than 12208 registered alumni registered; https://www.ametuniv.ac.in/alumni/Registration_Form_2016.aspx). • Conducting University level Alumni Association meeting in various Cities India and Overseas and Department Level Alumni Chapter Meetings in University Campus. • Alumni Representations in decision making bodies such as Board of Studies, IQAC etc. • Establishment of Alumni Sponsored Indoor Stadium in Yamuna Hostel. • Extending monetary support for the scheme 'Earn While you learn' beneficial to students of AMET. • Providing fund for establishing Media Lab.
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Key indicators of Attainment for Goal 4:

- Alumni Association functioning proactively for the Holistic Development of the University (AAA sponsors every Department for Alumni Chapter Meeting, Alumni Guest Lecture; Besides, the AAA has contributed Rs 61 lakhs towards the establishment of a new hostel in the campus).
- Regular Alumni meetings leading to good Industrial exposure and better support to training and placement.
- Enhancement in the frequency of alumni lectures through online/offline meetings.

Goal 5: Development and maintenance of state of the art infrastructure

5.1	Maintenance of the existing Infrastructure, identification of areas for improvement	<ul style="list-style-type: none">• Establishment of Cells/Centers for the effective implementation, monitoring and promotion of ICT Infrastructure in the University.• Establishing a good AI and Robotics Laboratory• Strengthening of Indoor and Outdoor Sports and Recreation facilities.• Providing facilities for Yoga and other Life Skills in the campus.• Enhancing the features of the automated AMET Talking Library
5.2	Improvising the Sustainable Development	<ul style="list-style-type: none">• Encouraging faculty and students to maintain Green Campus through periodic awareness programmes.• Promoting the motto ‘Clean and Green Campus’ through various activities involving Faculty and Students both in Campus and Hostel.

		<ul style="list-style-type: none"> • Tree Plantation and Greenery Development activities. • Maintenance of Green House with medicinal plants. • Improvising the Sustainable Development practices such as Rainwater Harvesting, Wastewater Recycling and Solid Waste Management including biogas plant and composting pit etc. • Recycle of paper wastes, safe disposal of E-wastes. • Enhancing the Renewable Energy capacity by promoting the Solar Panels, Windmills etc. • Conducting Energy Audits, Environmental Audits and Green Audits.
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Key indicators of Attainment for Goal 5:

- 100% ICT enabled class rooms.
- Effective implementation of University policy for allocation of funds in the promotion of Green Energy and Waste Management (It is proposed to build additional 100 KW solar power plant in Yamuna hostel along with the existing 30kW Solar Plant in Rabindranath Tagore Block).
- University implementing Sustainable Development practices. (A project on Rainwater and Wastewater harvesting for Water Conservation is taken up).
- Every year Energy Audits and Environmental Audits are conducted and the suggested outcomes are implemented.

MAJOR TARGETS TO ACHIEVE BEFORE 2025

- To receive and sustain the highest ranks and recognitions in all applicable accreditation and ranking frameworks such as National Assessment and Accreditation Council (NAAC), National Board of Accreditation (NBA), Comprehensive Inspection Programme (CIP) of the Directorate General of Shipping (DGS), Performance Indicators in Maritime Education and Training (PIMET) Ranking by the International Association of Maritime Universities (IAMU) and National Institutional Ranking Framework (NIRF) of Ministry of Human Resource Development (MHRD), Government of India, etc.,
- To get the NAAC Accreditation with A⁺⁺ Grade (with a CGPA more than 3.6) which will facilitate AMET to start Off Campuses and Offshore Campuses
- AMET is progressively marching towards getting established as an **International Maritime Knowledge Hub** by expanding its all-Academic, Research and Outreach activities in the chosen fields
- To attract highly qualified and experienced personnel for Faculty positions, for imparting quality education and skills and motivating them to do Research with excellent Financial Compensation in a congenial Working Environment
- To enhance laboratory facilities with State-of-the-Art equipment and advanced technological tools for Teaching and Research purposes
- To reach out industries, research laboratories and Academic institutions around the World for Collaboration, Consultancy and Joint Research programmes for identifying and finding solutions to Technical and Technological problems
- To reach out to the Community through various Outreach programmes for Awareness, Involvement and Participation for the Betterment of the neighbour community in particular and the entire Nation in General
- Accomplishment of National and International acknowledgment in the structure of Awards Constantly
- Mobilization of funds and projects through alumnae and other partners