

Institutional Development Plan

Preamble

A strategic plan is a vital framework for the sustained growth of any institution. It encompasses defining the organization's strategy, direction, and decision-making process for resource allocation to achieve its objectives. Continuous growth necessitates the development and effective implementation of a well-crafted strategic plan supported by robust organizational structures. It also incorporates control mechanisms to monitor and guide its execution. At AMET, the academic calendar integrates a schedule of prearranged programs across various departments and an examination plan, shaped by inputs from key committees such as the Board of Management, Academic Council, Board of Studies, IQAC, Heads of Departments, Committees, Cells, and Clubs. These collective recommendations ensure holistic progress across all facets of the University. Long-term objectives are outlined in consultation with these bodies, focusing on academic excellence, research initiatives, and employability skills.

Strategic Plan for AMET Vision 2025

AMET is committed to becoming an international hub for maritime knowledge by enhancing its academic, research, and outreach activities. The Vision 2025 Plan identifies strategic priorities and corresponding action plans to achieve excellence in higher education.

Strategic Goals and Action Plans

Goal 1: Deliver Quality Maritime and Professional Education to Attain Top Ranking Among Maritime Universities

1. Enhancing the Teaching-Learning Process

- Adopt Outcome-Based Education (OBE) aligned with AICTE's latest reforms.
- Regularly revise curricula to incorporate advancements like IoT, AI, and Machine Learning.
- Encourage faculty participation in FDPs, conferences, workshops, and MOOCs.
- Use ICT tools, industry experts, mentorship, and active learning methods for an enriched teaching experience.

2. Improving Student Skills and Industry Readiness

- Foster lifelong learning with self-learning modules such as seminars and MOOCs.
- Expand digital resources on campus for both online and offline use.
- Integrate project-based learning into core courses.
- Provide competency certification, industry exposure, soft skill training, and career guidance.
- Offer value-added courses, industry certifications, and competitive exam coaching.

3. Developing Centers of Excellence in Core Programs

- Establish MoUs with industry partners for Centers of Excellence in core departments.
- Upgrade existing laboratories and create state-of-the-art labs with industry support.
- Ensure laboratory access beyond regular working hours.

4. Advancing Research and Innovation

- Promote international collaborations to achieve significant research milestones.
- Offer University Research Fellowships to full-time scholars.
- Provide fee waivers and reduced workloads to encourage faculty research.
- Incentivize faculty for funded projects and research publications.
- Support student innovation with funding through MSME and other agencies.

5. Strengthening Governance Practices

- Implement transparent policies, procedures, and participative management practices.
- Enhance governance through modern technologies and a decentralized system.
- Maintain an active grievance redressal mechanism for all stakeholders.

Key Metrics for Goal 1:

- Achieve 100% OBE implementation by 2025.
- Maintain 90% admissions and 100% placements in all programs.
- Attain a 20% annual improvement in quality and innovative student projects.
- Fully ICT-enabled classrooms and Wi-Fi-enabled campus.
- Enhance research outputs, targeting a 50% improvement by 2025.

Goal 2: Strengthen Interaction with Society and Industry

Fostering Community Engagement

- Focus projects on societal needs like green energy, smart irrigation, and rainwater harvesting.
- Adopt villages to promote government schemes and national missions.
- Conduct outreach and community service programs.

Enhancing Industry Collaborations

- Formalize collaborations through MoUs for academic, research, and extension activities.
- Involve industry experts in curriculum development, workshops, and guest lectures.
- Facilitate internships, industrial visits, and in-plant training.
- Establish dedicated forums like Industry-Institution Collaboration Cell and Entrepreneurship Development Cell.

Key Metrics for Goal 2:

- Uplift adopted villages with sustainable technological solutions.
- Maintain over 100 active MoUs with industries.
- Promote innovation and startups, with measurable outcomes in ARIIA rankings.

Goal 3: Generate Revenue through Research, Consultancy, and Collaboration

Expanding Revenue Streams

- Encourage faculty to secure government and private funding for research and consultancy.
- Focus on consultancy projects in areas like ship propulsion systems and retrofitting.
- Establish corporate training programs for career enhancement.

Key Metrics for Goal 3:

- Increase high-quality funded projects from government agencies.
- Strengthen consultancy and collaborative initiatives, contributing significantly to university revenue.

Goal 4: Enhance Alumni Engagement

- Building a Robust Alumni Network
- Strengthen the AMET Alumni Association (AAA) through regular meetings and activities.

- Include alumni in decision-making bodies like IQAC and Boards of Studies.
- Facilitate alumni-sponsored initiatives, such as infrastructure projects and scholarships.

Key Metrics for Goal 4:

- Increased alumni contributions to university development.
- Regular alumni lectures and enhanced industrial exposure.

Goal 5: Develop and Maintain State-of-the-Art Infrastructure

Upgrading Infrastructure

- Establish AI and robotics labs and expand ICT infrastructure.
- Enhance sports, recreational, and life skills facilities.
- Develop sustainable practices like rainwater harvesting, solid waste management, and renewable energy systems.

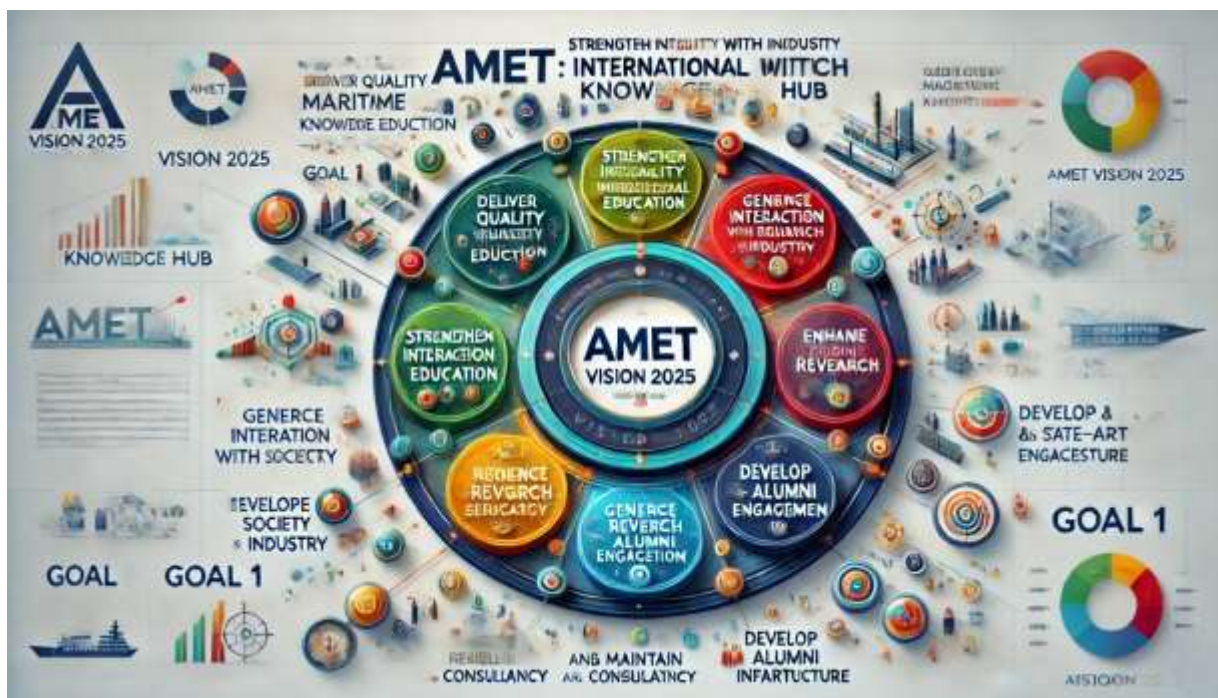
Key Metrics for Goal 5:

- Achieve 100% ICT-enabled classrooms.
- Build additional solar power facilities.
- Implement green campus initiatives with measurable environmental outcomes.

Major Targets by 2025

- Attain top ranks in accreditation frameworks like NAAC, NBA, and NIRF.
- Achieve NAAC A++ Grade with a CGPA above 3.6.
- Position AMET as an international maritime knowledge hub.
- Enhance collaboration with global industries and academic institutions.
- Strengthen outreach programs for societal betterment.
- Increase mobilization of funds through alumni and partnerships.

This comprehensive strategic plan sets AMET on a path to achieve academic, research, and societal



excellence by 2025, establishing itself as a leading institution in maritime education.