

## **17.4.1 Education for SDGs Commitment to Meaningful Education**

**2023–2024**

AASTMT maintains a clear and consistent dedication to integrating the Sustainable Development Goals (SDGs) into both academic study and student activities. SDG-oriented content is embedded within the curriculum across all colleges, and all undergraduate students are required to complete at least one course with explicit SDG learning outcomes as part of their graduation requirements — ensuring universal exposure regardless of major. By offering interdisciplinary courses, hands-on learning opportunities, and community-based initiatives, the university helps students understand the SDGs from multiple angles. This inclusive approach equips all learners with the competencies needed to tackle global sustainability challenges and encourages them to apply these concepts in practical settings. Ultimately, AASTMT aims to prepare graduates who are environmentally aware, socially responsible, and ready to contribute meaningfully to sustainable development.

### **AASTMT Actions Supporting SDG-Aligned Education**

AASTMT reinforced its commitment to meaningful SDG-aligned education by advancing research projects that embed sustainability principles into the academic environment. Projects such as the INVOLVE Project, which integrates SDG frameworks within university systems, and the Uni-Green Climate Action Project, which empowers students to engage in climate-focused solutions, ensure that sustainability becomes an applied and relevant learning component for students across disciplines.

[INVOLVE](#) on AASTMT webpage

### **Natural Gas and Petrochemicals Simulator System – Applied Sustainable Training Facility**

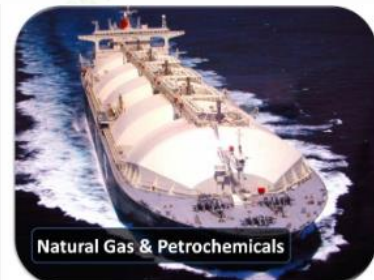
AASTMT's Natural Gas and Petrochemicals Simulator System delivers advanced real-time training designed to strengthen students' abilities in safe cargo handling, environmental protection, and responsible industrial operations. Through highly realistic simulations involving hazardous materials, emissions control, and chemical-risk management, trainees develop core sustainability-aligned competencies linked to SDGs such as Responsible Consumption and Production and Life Below Water. Embedding the simulator within academic programs ensures that students receive hands-on, meaningful education that directly reflects global sustainability priorities and real-world industrial contexts.



[Natural Gas and Petrochemical Simulator on AASTMT webpage](#)

## Integrated Simulators Complex (ISC) – Multidisciplinary Sustainable Training Platform

The Integrated Simulators Complex (ISC) at AASTMT provides an advanced, practice-driven training environment that unifies marine operations, environmental protection, crisis management, offshore safety, and state-of-the-art navigation technologies. Through full-mission ship-handling simulators, dynamic positioning systems, environmental laboratories, and oil-spill response units, students gain realistic, high-impact exposure to sustainability-related operational challenges. By integrating these simulation programs into academic and professional training pathways, AASTMT ensures that learners receive meaningful, relevant, and SDG-aligned education that builds practical, future-ready competencies across multiple disciplines.



[ISC on AASTMT webpage](#)

## Participation in the Green Peace and Sustainable Resilience Forum

AASTMT students took part in the Green Peace and Sustainable Resilience Forum organized by the Faculty of Economics and Political Science at Future University. The forum addressed key sustainability themes—including climate policy, green peace dynamics within international relations, the economic dimensions of environmental transitions, and public-policy approaches for managing climate challenges. Through this participation, students were exposed to interdisciplinary perspectives on global sustainability issues, supporting AASTMT’s efforts to strengthen SDG-focused learning and awareness within the student community.



[Green Peace and Sustainable Resilience Forum](#) on AASTMT webpage

## EGYPT RALLY 2023 Bootcamp – Entrepreneurship Training (July 2023)

AASTMT demonstrated its commitment to meaningful, SDG-oriented education by organizing the Egypt Rally 2023 Bootcamp, an open training event for students across different colleges. This program offered intensive sessions on business planning, legal foundations for startups, branding strategies, and innovation management. By enabling students to develop real startup concepts and apply entrepreneurial thinking, the bootcamp served as an optional educational pathway that supports SDG-related competencies—especially those linked to economic growth and innovation.



[EGYPT RALLY 2023 Bootcamp](#) on AASTMT webpage

## **AASTMT-IMC Collaboration Meeting – Industrial Modernization Centre (May 2024)**

Through a strategic meeting with the Industrial Modernization Centre (IMC) in May 2024, AASTMT reaffirmed its institutional commitment to sustainability-aligned education by integrating green technology, digital transformation, and sustainable production practices into student training and academic pathways. The discussion also emphasised the role of student and researcher projects in advancing competitiveness, productivity, and environmentally responsible industry practices. This initiative strengthens curriculum-integration and supports SDG-linked education, equipping students with practical competencies relevant to industry, innovation, and climate action.



[AASTMT-IMC Collaboration Meeting on AASTMT webpage](#)

## **Egypt Entrepreneurship Rally 2023 – Finale Event (September 2023)**

AASTMT demonstrated its commitment to providing meaningful, SDG-oriented education across the university by hosting the **Egypt Entrepreneurship Rally 2023 Finale**, an open innovation and entrepreneurship competition accessible to students from multiple disciplines. The event offered applied learning experiences through business-model development, mentorship from industry experts, and real-world problem-solving tasks that strengthened students' entrepreneurial and analytical skills.



[Egypt Entrepreneurship Rally 2023](#)

## Integrating Global Sustainability Goals into AASTMT's Academic Framework

AASTMT systematically aligns its academic programs with the United Nations Sustainable Development Goals (SDGs) by mapping course learning outcomes to relevant sustainability themes across all colleges. This approach ensures that all students—across every discipline—are exposed to sustainability principles and develop the essential competencies needed to address global challenges. The curriculum is further enriched through elective courses such as Communication Skills, Innovation and Entrepreneurship, Global Business, and Ethics and Governance of AI, which foster ethical leadership, innovative thinking, and a strong understanding of global sustainability practices.

As a practical example of this institutional approach, the BSc in Energy & Petroleum Logistics Management integrates SDG-related content throughout its core modules, including sustainable energy practices, responsible resource management, and environmentally conscious supply chain strategies. This demonstrates how sustainability principles are embedded across multiple semesters, highlighting AASTMT's commitment to delivering SDG-aligned education in both general and specialized programs.

[Energy and Petroleum logistic Management](#)  
[Mapping AASTMT courses with the UN SDGs](#)