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جامعة تبوك
University of Tabuk



SUSTAINABLE
DEVELOPMENT GOALS



University of Tabuk Sustainable Development Goals Report 2023-2024

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Introduction

The University of Tabuk is steadfast in its commitment to advancing the United Nations Sustainable Development Goals (SDGs), in alignment with the Kingdom of Saudi Arabia's Vision 2030. Guided by a comprehensive strategic plan, the university pursues five core objectives that define its mission and vision:

- Enhancing the student experience by providing inclusive, high-quality education and holistic support.
- Promoting community-centered research and innovation to address societal challenges and foster sustainable solutions.
- Building strategic partnerships with national and international stakeholders to maximize knowledge exchange and impact.
- Ensuring excellence in resource management through sustainable, efficient, and accountable practices.
- Fostering a sustainable future by integrating environmental, social, and economic sustainability across all university initiatives.

This report details the University of Tabuk's initiatives, programs, and achievements that contribute to the SDGs, showcasing its role in driving innovation, empowering communities, and cultivating a sustainable and resilient future.

SDG 1: No Poverty



sustainable development, with a strong focus on contributing to the first Sustainable Development Goal (SDG 1: No Poverty). Through free education, scholarships, support for low-income students, entrepreneurship empowerment, and enhanced access to essential services, the university plays an active role in reducing poverty and fostering sustainable social and economic development in Saudi Arabia and the local community.

The university provides a range of financial and academic initiatives to support students from low-income households. These include financial aid grants of SAR 500, interest-free educational loans (Qard Hasan) for enrollment in paid master's programs, part-time on-campus employment opportunities, and allowances for students with disabilities. In addition, professional development programs and certificates are offered through the FutureX Flexible Learning Pathways platform, enhancing students' skills and employability. International students also benefit from scholarship programs that include fully equipped housing, healthcare, academic guidance, and mentoring.

In the area of entrepreneurship, the university supports the local community through financial assistance programs and entrepreneurial initiatives, including partnerships with the Social Development Bank and the Maslak Educational Financing Fund to provide interest-free loans. The UT Minds Business Incubator helps students and community members develop, refine, and advance their business ideas. Workshops are offered to equip students and researchers with the skills needed to transform innovative research ideas into successful commercial ventures, while applied research projects further contribute to local economic development.

The University of Tabuk actively improves access to essential services through health awareness campaigns covering chronic diseases, cancer, diabetes, mental health, blood donation, and medication safety. Public exhibitions and community events, such as the Medical Physics Exhibition and International Day of Women and Girls in Science, promote scientific and cultural awareness. The university also conducts workshops on sustainable energy, energy efficiency, and digital infrastructure to strengthen community knowledge and capabilities.

Regarding policies and partnerships to combat poverty, the university collaborates with government agencies, charitable foundations, and private-sector entities to implement sustainable poverty-reduction initiatives. These efforts include tuition-free education for eligible students, targeted scholarship programs for low-income students, applied research projects in renewable energy, water management, and sustainable environmental practices, and

entrepreneurship programs that equip students and community members with market-relevant skills while supporting small and medium enterprises.

Through these comprehensive measures, the University of Tabuk demonstrates its commitment to empowering individuals and communities, enhancing access to education, and contributing to sustainable poverty alleviation.

SDG 2: Zero Hunger



The University of Tabuk actively contributes to combating hunger and promoting sustainable agriculture through a wide range of educational, research, and community initiatives. The university supports local farmers and food producers by providing access to knowledge, skills, and modern technologies via specialized training workshops, seminars, and collaborative research projects. It also hosts events that bring together agricultural stakeholders to exchange knowledge, foster networking, and encourage the adoption of sustainable farming practices. University facilities, including laboratories and experimental farms, are made available to support agricultural development directly.

Research and Innovation for Food Security: The university plays a key role in addressing hunger through impactful research in food security, sustainable agriculture, and resource management. In 2024, several notable studies were published, addressing drought resilience, crop optimization, and innovative agricultural technologies. These research outputs reinforce the university's commitment to advancing practical solutions for regional and national food security.

Student and Staff Food Support: University initiatives ensure that students and staff have access to healthy, safe, and affordable food. The Deanship of Student Affairs oversees meal services, including campus cafeterias, vending machines, and event catering, maintaining high standards of quality and hygiene. Subsidized meal plans for scholarship students, community discount programs, and seasonal initiatives such as Ramadan iftar events foster inclusivity and social cohesion. Sustainable and diverse food options, including plant-based and locally sourced meals, are offered to promote health and environmental responsibility.

Supporting Local Farmers and Sustainable Practices: The university empowers local farmers and food producers by providing access to training, research centers, and applied programs. Field-based initiatives, such as biodiversity surveys and seed preservation programs within NEOM Reserve, equip participants with practical skills in conservation and sustainable agriculture. The upcoming Horticulture Innovation Center will further support local growers and researchers in adopting advanced, sustainable horticulture techniques. The university also prioritizes purchasing from local, sustainable sources to strengthen regional food systems.

Community Engagement and Food Security Awareness: Through public workshops, training programs, and environmental initiatives, the University of Tabuk enhances local knowledge of sustainable farming, food security, and resource management. Programs such as community agricultural days, tree-planting campaigns, and professional diplomas in environmental and conservation studies provide practical skills and promote long-term food system resilience. These efforts align with Saudi Vision 2030 and SDG 2 by ensuring sustainable access to food, supporting local agricultural systems, and empowering communities.

SDG 3: Good Health and Well-being



The University of Tabuk plays a pivotal role in advancing health and well-being at institutional and community levels. It houses four distinguished health colleges: the Faculty of Medicine, Faculty of Pharmacy, Faculty of Applied Medical Sciences, and Faculty of Nursing. These colleges have contributed to the development of highly qualified Saudi health professionals while conducting impactful research addressing both local and global health challenges.

Health Research and Innovation: The university actively supports SDG 3 through research focused on critical health issues, innovative treatment approaches, and community health solutions. In 2024, University of Tabuk researchers published studies on topics ranging from targeted cancer therapies and tele-exercise for diabetes management to web-based self-management tools for Arabic-speaking patients with type 2 diabetes. These publications demonstrate the university's commitment to improving health outcomes, fostering innovation in healthcare delivery, and enhancing global knowledge.

Collaborations and Partnerships: The university maintains strategic partnerships with local, national, and international health institutions to enhance medical education, research, and public health initiatives. Key collaborations include agreements with Tabuk Health Cluster, Al-Dawaa Medical Services, King Salman Armed Forces Hospital, the Saudi Commission for Health Specialties, and international nursing institutions such as the University of Southampton and the University of British Columbia. These partnerships support community health programs, advanced training, and professional development of healthcare staff and students.

Community Health Services and Outreach: University of Tabuk delivers extensive community health initiatives including disease screenings, vaccination awareness, chronic disease prevention, blood donation drives, and campaigns for mental health, diabetes, cancer, and medication safety. Its Medical Administration provides free, high-quality healthcare to students and staff, while the Clinical Psychology Unit and Psychiatric Clinic offer evidence-based mental health support. Specialized clinics focus on sexual and reproductive health, fertility, pediatrics, and family medicine, ensuring comprehensive access to essential health services.

Promoting Physical Activity and Wellness: The university promotes physical well-being through state-of-the-art sports facilities including football fields, swimming pools, gyms, and indoor courts. These facilities are available to both the university community and the public. Programs such as the Summer Sports Initiative and inclusive tournaments for people with disabilities encourage active lifestyles, social inclusion, and community engagement. Partnerships with local sports clubs further enhance access to physical activities.

Health-Promoting Policies: University of Tabuk implements policies that create a healthy and safe environment. The Anti-Smoking Regulations of 2021 prohibit smoking across all campuses, complemented by a Smoking Cessation Clinic offering counseling and medical support. Mental health services for staff, discounts for external psychological consultations, and awareness campaigns strengthen overall well-being within the university community.

Through integrated efforts in research, education, community outreach, wellness programs, and health policies, the University of Tabuk demonstrates its strong commitment to SDG 3 by enhancing healthcare access, promoting preventive care, and fostering the health and well-being of students, staff, and the wider community.

SDG 4: Quality Education and Lifelong Learning



The University of Tabuk is committed to supporting lifelong learning by providing free access to educational resources for members of the public who are not enrolled as students. This includes open online courses, public lectures, training workshops, and educational materials shared through the university's website and social media platforms. The university also organizes community-based learning initiatives such as literacy programs, skills development sessions, and awareness campaigns, aimed at enhancing knowledge and empowering individuals across different age groups and educational backgrounds. These efforts reflect the university's dedication to inclusive, equitable, and continuous education, in alignment with Sustainable Development Goal 4.

Open Educational Resources (Lifelong Learning): The Deanship of Student Affairs produces public podcasts on topics such as emotional intelligence, integrity, and mental health, freely available on the university's digital platforms. The UT_Connect platform allows faculty, students, and community members to create and share open educational resources, ensuring broad access to learning materials. The university also provides library access, research guidance, and lending services to non-enrolled members of the community, promoting research and lifelong learning opportunities.

Community Workshops and Training Programs: The University of Tabuk organizes workshops and training programs such as the Summer Program, designed to enhance personal and

professional skills for community members. Vocational programs like the Patient Care Technician Diploma and the “Little Paramedic” initiative provide free professional and practical training, empowering local residents and supporting workforce development.

Public Events and Lectures: The university hosts lectures, seminars, awareness campaigns, exhibitions, and celebration days open to the public. These include cultural, scientific, and educational events, as well as scholarship fairs, innovation expos, and career forums. Such events foster knowledge, skill development, and community engagement while promoting lifelong learning.

Vocational Training and Executive Education: Short courses and vocational training programs are offered to the wider community, including English language programs for youth, introductory Chinese courses, solar energy system design, molecular biology, statistical analysis, and professional certification programs. These initiatives equip participants with practical skills and enhance their employability.

Education Outreach Beyond Campus: The university actively engages in educational outreach through schools, hospitals, charities, and public spaces. Activities include training programs for students with special needs, health awareness campaigns, public science exhibitions, anti-drug initiatives, mental health campaigns, and CPR training for children. Volunteer participation by students and faculty further strengthens community partnerships and social responsibility.

Lifelong Learning Access Policy: University of Tabuk ensures equal and inclusive access to its educational programs, facilities, and resources for all individuals, including people with disabilities. Through open educational resources, digital learning platforms, and inclusive programs, the university promotes accessibility, equity, and continuous learning for everyone.

Through these comprehensive initiatives, the University of Tabuk advances quality education, lifelong learning, and community empowerment, fully aligning with SDG 4 and contributing to sustainable development and public well-being.

SDG 5 Gender Equality



The University of Tabuk is committed to fostering an academic environment where gender equality is a core principle and a key driver of institutional progress. In alignment with Sustainable Development Goal 5, achieving gender equality and empowering all women and girls, the university actively promotes equal access to education, leadership, and professional opportunities for women at all levels of university life. This commitment aligns closely with Saudi Vision 2030, which prioritizes women’s empowerment as a national development strategy,

emphasizing workforce participation, leadership roles, and contributions to innovation, education, and entrepreneurship.

The university conducts diverse research on gender equality, contributing knowledge that supports evidence-based policies and practices. Notable studies explore the impact of social entrepreneurship on women's economic empowerment and the role of female directors in corporate governance, highlighting UT's dedication to promoting gender-inclusive leadership and societal development.

UT implements comprehensive policies and monitoring systems to ensure equitable access for women in all programs. Female applications, admissions, and graduation rates are systematically tracked and analyzed to inform strategic initiatives. The university encourages women to pursue underrepresented fields, such as Civil Engineering and Tourism and Hospitality, and provides targeted outreach, mentoring, and support to facilitate their success. Annual reporting ensures transparency and guides decision-making at the institutional level.

Leadership and professional development programs are offered to both male and female faculty, equipping them with supervisory and executive skills. Women are actively encouraged to participate and assume leadership roles. Community engagement initiatives, including events for International Women's Day and STEM exhibitions, celebrate female achievements and inspire broader societal participation. Structured mentoring programs connect female students with faculty, professionals, and peers, fostering academic, research, and leadership development. Over ten percent of female students participate in such initiatives annually, benefiting from career guidance, innovation bootcamps, and specialized mentorship programs.

The university provides accessible childcare services, including the on-campus Idrak Nursery and affiliated primary and kindergarten schools, to support student-parents and staff. Maternity and paternity policies ensure equitable treatment and work-life balance for all employees. UT also offers fully funded scholarships, academic mentoring, and professional development opportunities to remove barriers to higher education.

Female participation is actively promoted in traditionally male-dominated disciplines and sectors, including STEM fields, Civil Engineering, and the College of Tourism and Hospitality. Strategic partnerships with international universities, government institutions, and private sector organizations provide training, internships, and practical experience opportunities, ensuring women gain the skills and exposure necessary for career advancement.

The university recognizes and celebrates female achievements through awards, public recognition, exhibitions, and social media platforms, providing visibility and inspiration. Policies on non-discrimination, protection for those reporting discrimination, and gender equity in all academic and professional programs reinforce UT's commitment to creating an inclusive and equitable environment.

Through these initiatives, the University of Tabuk demonstrates a comprehensive commitment to gender equality and the empowerment of women, promoting their academic, professional, and social development while contributing meaningfully to sustainable development locally and nationally.

SDG 6 Clean Water and Sanitation



The University of Tabuk is committed to sustainable water management, aligning with Sustainable Development Goal 6: Clean Water and Sanitation. The university adopts a comprehensive strategy that combines research, efficient water use, wastewater treatment, reuse, and conservation initiatives. Cutting-edge research by faculty members addresses critical challenges in water treatment, desalination, and environmental protection, providing innovative solutions for local and regional water sustainability.

Campus water consumption is closely monitored across all sources, including mains, desalinated water, and aquifers. The university operates a Membrane Bio-Reactor (MBR) wastewater treatment plant, producing high-quality treated water for irrigation and non-potable uses, reducing dependence on freshwater and minimizing environmental impact. Smart irrigation, drought-tolerant landscaping, and water-efficient building standards further enhance resource conservation.

The university promotes water stewardship through educational programs, awareness campaigns, and public engagement. Strategic partnerships with national agencies, such as the Saline Water Conversion Corporation and the Ministry of Environment, Water and Agriculture, support research, policy development, and technological innovation. Participation in international forums, including the Water Research Community in Abu Dhabi, demonstrates UT's role in advancing regional water sustainability.

Through integrated research, education, infrastructure, and outreach, the University of Tabuk fosters efficient water use, pollution prevention, and community awareness, contributing to sustainable water management and regional environmental resilience.

SDG 7: Affordable and Clean Energy



The University of Tabuk is committed to promoting sustainable energy solutions as part of its environmental responsibility and national development goals. Through research, innovation, and operational practices, the university actively contributes to the global transition toward clean

and affordable energy. Efforts include improving energy efficiency, reducing carbon emissions, supporting low-carbon policies and technologies, and raising awareness within the local community and industry.

1. Research in Clean Energy: The university conducts high-impact research in energy and energy efficiency, with publications addressing:

- Enhancing the performance of organic solar cells.
- Transforming biomass into sustainable biohydrogen, electricity, oxygen, and heat.
- Optimizing solar distillation systems with advanced composite materials.

2. University Initiatives for Clean and Affordable Energy:

- **Energy-efficient renovation:** 54 buildings upgraded with LED lighting, HVAC improvements, and smart sensors, targeting a 19% reduction in electricity consumption and carbon offset equivalent to planting 136,000 trees annually.
- **Carbon reduction programs:** Launch of the NetZero Innovation Centre in partnership with NEOM, Red Sea Global, and Teesside University to develop carbon removal technologies, alternative energy sources, and circular carbon economy systems.
- **Energy awareness and training:** Specialized courses on solar energy system design, workshops on energy systems and cybersecurity, seminars on energy storage and sustainable solar cells.
- **Renewable energy infrastructure:** Smart monitoring and automated cleaning of solar panels, sustainable campus transport services, and transition toward renewable energy systems.

3. Community and Industry Engagement: The university delivers training, workshops, and consultancy to local industries and the broader community to enhance energy efficiency and support the adoption of clean energy technologies. Key collaborations include NEOM Green Hydrogen Company and the Saline Water Conversion Corporation (SWCC).

4. Policy Support and Capacity Building: The university contributes to national energy policy through multidisciplinary research, technical consultation, and capacity-building initiatives. International partnerships, such as with Japan, further strengthen its role in adopting global best practices for sustainable energy.

5. Low-carbon Innovation and Applied Research: The University of Tabuk supports low-carbon innovation via research, technical training, and strategic partnerships. Projects include solar panel monitoring systems, renewable energy capacity building, and the NetZero Innovation Centre, all aligned with Saudi Arabia's Vision 2030 and the transition toward a sustainable, low-carbon economy.

The University of Tabuk demonstrates a comprehensive institutional commitment to clean energy, sustainable campus operations, and community engagement, contributing to national and global sustainable energy goals.

SDG 8: Decent Work and Economic Growth



The University of Tabuk is committed to advancing Sustainable Development Goal 8 by fostering a fair, inclusive, and supportive work environment that safeguards employee rights and promotes professional growth. The university adheres to the labor regulations of the Ministry of Human Resources and Social Development, ensuring compliance with national laws and international standards. Its employment practices prioritize fair wages, gender pay equity, non-discrimination, protection against forced labor, and recognition of workers' rights, while providing equivalent protections for outsourced staff and transparent grievance and appeal mechanisms.

The university actively contributes to economic growth and employment research through scholarly publications addressing sustainable finance, digital transformation in banking, and the impact of tax legislation on informal economic activities. These efforts support evidence-based policies that foster inclusive and resilient economic development.

University employment practices include ensuring living wages for all staff, supporting collective bargaining, and promoting transparent human resources policies. Gender equality in pay is fully integrated, with no differentiation between male and female employees performing the same role. The University provides clear procedures for grievances, appeals, and performance evaluations through internal committees and electronic platforms such as MASAR and Tawasul, guaranteeing fairness and accountability.

Employees, including faculty, administrative staff, and international staff, are legally protected through contracts that define job scope, compensation, probationary periods, and conduct expectations. The university also ensures timely salary payments via the Wage Protection System and enforces internal policies covering health, safety, discipline, and labor rights in line with national standards.

Transparency and accountability are reinforced through dedicated communication channels for reporting concerns, corruption, or unethical behavior, as well as public access to policies and procedures. These measures reflect the University of Tabuk's dedication to promoting decent work, equal opportunity, and sustainable economic development while fostering a safe, equitable, and professional work environment for all employees.

SDG 9: Industry, Innovation and Infrastructure



The University of Tabuk recognizes that investments in infrastructure - including transport, irrigation, energy, and information and communication technology - are fundamental to driving sustainable development and empowering communities both locally and globally. In alignment with this vision, the university hosts several specialized research and innovation centers, such as the **Artificial Intelligence and Sensing Technologies Research Center**, the **Renewable Energy and Environmental Technology Center**, and the **Innovation and Entrepreneurship Center**. These centers play a vital role in advancing knowledge, fostering innovation, and contributing practical solutions to pressing local and global challenges.

Research Centers & Chairs

Additionally, the University actively plans to establish startups aimed at providing innovative solutions in infrastructure and technology, including **EcoRoad Company** and **SmartResin**, thereby promoting entrepreneurship and translating scientific research into practical real-world applications.

Through these initiatives, the University of Tabuk strengthens its role in promoting sustainable industrialization, supporting innovation, and developing resilient infrastructure that aligns with the goals of Saudi Vision 2030 and the United Nations Sustainable Development Goals.

SDG 10: Reduced Inequalities



The University of Tabuk demonstrates a strong and comprehensive commitment to Sustainable Development Goal 10: Reduced Inequalities by ensuring equal opportunities, promoting inclusivity, and fostering diversity across all aspects of university life. The institution works to eliminate disparities in education and employment while providing dedicated support for underrepresented groups and individuals with disabilities.

The University integrates inclusivity into its research, policies, and practices. Scholarly contributions address issues such as social equity, entrepreneurship for sustainable development, and educational inclusion for students with disabilities, as seen in recent international publications. These research efforts reinforce the University's role as a regional hub for advancing social justice and equitable access to education.

A non-discriminatory admissions policy ensures that all applicants—regardless of gender, nationality, disability, or socioeconomic background—are given equal access to higher education.

The University systematically tracks and analyzes data on underrepresented groups, including ethnic minorities, low-income students, non-traditional learners, women, and students with disabilities, to develop targeted interventions and ensure balanced representation.

Through the Disability Support Unit under the Deanship of Student Affairs, the University provides comprehensive services, accessible facilities, and tailored academic support to empower students with disabilities. Facilities include wheelchair-accessible ramps, elevators, restrooms, and dedicated parking, while academic adaptations such as Braille materials, alternative exam conditions, and individualized learning plans promote full participation.

The University also organizes awareness programs and inclusive activities—such as the “University for All” initiative, World Disability Day celebrations, and specialized workshops on mental health and e-commerce for persons with disabilities—to foster a culture of inclusion and empowerment.

In addition, financial support mechanisms such as scholarships, stipends, student work programs, and interest-free loans ensure equitable access to education for students from low-income backgrounds. The University also recruits faculty and staff from diverse nationalities, including developing countries, enhancing cultural and academic diversity.

Institutional policies, including the Non-Discrimination and Equality Policy, Reasonable Accommodation Policy for Persons with Disabilities, and Anti-Harassment Policy, ensure fairness, transparency, and accountability. Dedicated structures—such as the Legal Affairs Department and grievance committees—safeguard human rights, address complaints, and promote integrity and respect across the campus community.

Through these integrated efforts, the University of Tabuk continues to advance equality, diversity, and inclusion—strengthening its contribution to SDG 10 and supporting the Kingdom’s Vision 2030 objectives of empowerment and social equity.

SDG 11: Sustainable Cities and Communities



As part of its mission to serve the community and promote sustainable development, the University of Tabuk places strong emphasis on preserving cultural and artistic heritage while ensuring public access to facilities and sites of cultural and historical significance. The university is committed to making arts and heritage an integral part of both academic and community life by providing access to buildings, monuments, libraries, museums, and green spaces, either free of charge or through flexible arrangements that guarantee inclusivity. The university enriches the cultural and artistic scene through organizing performances, theatre productions, and musical events, in addition to implementing projects that document and preserve both tangible and

intangible heritage, including local customs, traditions, language, and indigenous knowledge. These efforts reflect the university's dedication to supporting arts and heritage at local and national levels while adopting sustainable practices in urban planning, providing affordable housing for students and staff, and promoting sustainable mobility across campus. Through these initiatives, the University of Tabuk aims to balance the preservation of cultural identity with the enhancement of quality of life, thereby contributing to the achievement of SDG 11: Sustainable Cities and Communities.

The University of Tabuk plays an important role in advancing SDG 11 through impactful research addressing urban infrastructure, sustainable transportation, environmental management, and smart city technologies. Examples include studies on wastewater treatment site optimization, sustainable technologies in public transport infrastructure, and AI-based systems for traffic management. These research efforts demonstrate the university's commitment to innovative solutions that enhance quality of life and urban sustainability locally and globally.

The university ensures that its facilities and activities are open to the wider community. Exhibitions such as "Biodiversity of the Red Sea," "Authenticity," and "Medical Physics: Between Science and Reality" have promoted scientific and cultural awareness among the public. The university also collaborates with organizations such as the NEOM Sports Club to provide access to its sports facilities and organizes community sports events to promote healthy living. The Central Library welcomes visits from schools and community groups, promoting reading and research engagement, while providing access to digital resources and learning platforms that support open and inclusive education.

The university's museums and galleries are open to the public, hosting exhibitions that highlight biodiversity, art, and cultural identity. For example, the Biology Department's exhibitions on Red Sea biodiversity and the College of Design and Arts' student showcases, such as "Art for Life" and "Soirée," provide platforms for public engagement and cultural exchange. Founding Day and National Day exhibitions celebrate Saudi heritage, reinforcing national pride and cultural continuity.

The University of Tabuk also undertakes a variety of initiatives to preserve intangible heritage, including local traditions, dialects, and craftsmanship. Events such as World Arabic Language Day and the "Do They Not Look?" cultural initiative in Umluj highlight the importance of language, folklore, and crafts in preserving national identity. Educational visits, lectures, and collaborations with local cultural institutions further strengthen awareness of heritage preservation and promote a deeper connection between students, faculty, and the community.

In addition to its cultural contributions, the University of Tabuk actively promotes sustainable transportation by providing shuttle buses, pedestrian pathways, and safe walking routes across the campus. These efforts reduce carbon emissions and enhance accessibility for all members of the university community. A new public transport station was recently inaugurated in cooperation with the Tabuk Municipality to improve mobility for students and staff. The

university also supports affordable housing for both faculty and students, offering on-campus residences and allowances that ensure stability, comfort, and well-being.

In partnership with Tarshid (National Energy Services Company), the university has implemented energy-efficient measures and achieved a 100% score in the Saudi Center for Energy Efficiency's performance evaluation. Renovation projects on campus prioritize environmental sustainability, accessibility for people with disabilities, and improved safety and infrastructure. Furthermore, the university collaborates closely with local authorities on sustainable urban development. Lectures such as "Smart Cities: NEOM as a Model" and joint projects with the Tabuk Regional Municipality reflect its active role in supporting Vision 2030 and integrating sustainability into planning and development.

Through its research, public programs, cultural preservation, and sustainable infrastructure projects, the University of Tabuk demonstrates its strong commitment to building sustainable, inclusive, and resilient communities in alignment with the objectives of SDG 11.

SDG 12: Responsible Consumption and Production



Sustainable Development Goal 12 (SDG 12) is a cornerstone of global sustainability, focusing on promoting responsible consumption and production patterns to preserve natural resources and minimize environmental impact. The University of Tabuk recognizes its essential role as an educational and research institution in advancing this goal by fostering sustainable practices on campus and raising awareness among students, faculty, and the community about the importance of resource efficiency and responsible consumption.

The university integrates sustainability principles into its academic and operational frameworks. Through specialized academic programs such as the Environmental Protection and Natural Resources program at the Applied College, students gain the knowledge and practical skills necessary to address environmental challenges effectively. The curriculum includes courses on waste management, green chemistry, and waste-to-energy conversion, equipping graduates with the competencies to promote sustainability across sectors.

Education and awareness are central to the university's efforts. The University of Tabuk regularly organizes workshops and seminars that engage students and the community in discussions about sustainable practices. Events such as "*Waste Management: From Waste to Sustainability*" and "*Towards Smart Waste Management: AI and Machine Learning Applications*" provide platforms to share innovative ideas and encourage responsible behavior toward environmental conservation and efficient resource use.

At the institutional level, the university has implemented a comprehensive set of initiatives to enhance sustainability across its operations. The “Tarsheed” Project for Energy and Water Efficiency stands as a key milestone, involving the replacement of traditional air conditioning and lighting systems with energy-efficient alternatives, the installation of motion sensors, and the modernization of control systems. These actions have significantly reduced energy and water consumption, aligning the university with national sustainability standards. For its exceptional performance, the University of Tabuk was honored by the Saudi Center for Energy Efficiency, achieving a 100% performance score for two consecutive years (2023–2024).

In addition, the university has adopted green procurement policies to ensure that purchasing decisions support sustainability goals and minimize environmental impact. Collaboration and partnership are also integral to the university’s strategy. Memoranda of Understanding (MOUs) have been signed with the National Center for Wildlife Development and the National Waste Management Center to strengthen cooperation in environmental protection, waste management, and wildlife conservation as part of national sustainability initiatives and Environment Week activities.

Through these collective efforts, the University of Tabuk demonstrates a strong institutional commitment to advancing SDG 12. By integrating sustainability into education, campus operations, and community engagement, the university contributes to responsible consumption and production, supporting both Saudi Vision 2030 and the United Nations Sustainable Development Goals.

SDG 13: Climate Action



The University of Tabuk actively addresses climate change (SDG 13) through research, innovation, education, and community engagement. Aligned with Saudi Arabia’s Vision 2030, the university focuses on reducing carbon emissions, promoting renewable energy, and supporting sustainable development initiatives.

The university implements a comprehensive Climate Action Plan, including energy efficiency measures, adoption of clean energy solutions such as solar, wind, and hydrogen, and development of carbon reduction strategies and circular carbon economy practices. A national innovation hub has been established to develop technologies and support industries in achieving net-zero emissions by 2060.

Education and awareness are central to the university’s climate initiatives. Programs and campaigns engage students, faculty, and the wider community on climate risks, sustainability, and environmental responsibility. Initiatives include environmental innovation challenges,

sustainable workshops, biodiversity campaigns, and community activities such as tree planting and recycling exhibitions.

Afforestation and carbon sequestration efforts are implemented through large-scale tree-planting projects, overseen by a dedicated committee managing strategic planning, species selection, maintenance, and monitoring. A Seed Bank project preserves native and rare plant species, supporting biodiversity conservation and climate adaptation strategies.

The university collaborates with government agencies and environmental organizations to provide research, data, and practical solutions for climate resilience, disaster preparedness, and regional sustainability planning. These partnerships enhance research, innovation, and policy engagement, ensuring alignment with national climate objectives.

Through integrated actions in energy management, renewable energy adoption, afforestation, biodiversity conservation, education, and strategic collaborations, the University of Tabuk demonstrates leadership in climate action. Its initiatives contribute directly to reducing carbon emissions, preserving ecosystems, and building resilience against climate change, supporting local and national sustainability goals under Vision 2030.

SDG 14: Life Below Water



The University of Tabuk actively supports Sustainable Development Goal 14 through research, training, community engagement, and partnerships aimed at preserving marine ecosystems in the Red Sea region. In collaboration with Red Sea Global, the university conducts field studies collecting soil, water, and algae samples to assess marine biodiversity and ecosystem resilience, providing critical data for conservation strategies.

Practical training and capacity-building programs for postgraduate students enable hands-on experience in marine research, including the operation and cultivation of coral nurseries. These initiatives prepare future specialists in marine conservation and sustainable development.

The university organizes scientific seminars, exhibitions, and workshops to disseminate knowledge and raise awareness of marine biodiversity and its ecological importance. Activities include exhibitions on endangered marine species, demonstrations of diving techniques, and practical sample collection, linking scientific knowledge with community awareness.

External collaborations with national authorities and environmental organizations further strengthen academic, research, and conservation efforts, promoting sustainable management of marine resources.

Through integrated research, education, and partnerships, the University of Tabuk demonstrates leadership in marine sustainability, contributing to the protection of the Red Sea's unique ecosystems and advancing SDG 14 for the benefit of current and future generations.

SDG 15: Life on Land



The University of Tabuk plays a pivotal role in promoting the preservation and sustainable management of terrestrial ecosystems through research, education, and community engagement initiatives. These efforts reflect the university's strong commitment to biodiversity conservation and sustainable development, addressing environmental challenges in land-based ecosystems across the region. By fostering strategic partnerships with local communities, governmental bodies, and other stakeholders, the university raises environmental awareness and implements effective land conservation strategies. These actions strengthen regional biodiversity and contribute to global progress toward Sustainable Development Goal 15: Life on Land.

The university's research initiatives focus on understanding and protecting land ecosystems. Researchers produce valuable studies on biodiversity conservation, sustainable land management, and the ecological benefits of plants and microalgae, including enhancing plant resilience to environmental stress, improving livestock productivity, and advancing applications of algae-based enzymes. These studies provide scientific foundations for practical solutions to environmental challenges in the region.

Education and awareness programs play a central role in supporting terrestrial ecosystems. The university organizes campaigns and events that engage students, faculty, and local communities in environmental stewardship, sustainable land management, and biodiversity protection. Initiatives include tree-planting campaigns, innovation challenges for environmental solutions, workshops on conservation practices, and exhibitions showcasing local flora and wildlife. Hands-on training in protected area management and biodiversity surveying further equips students with practical skills in ecosystem preservation.

In addition to academic and outreach efforts, the university promotes sustainable agriculture and food security. Strategic partnerships, such as collaborations with NEOM Food Production and the Horticulture Innovation Center, support research, innovation, and practical training in sustainable food systems. These projects enhance food security, advance agricultural technologies, and contribute to the restoration and sustainable management of land ecosystems.

The University of Tabuk is also deeply committed to protecting biodiversity through collaborations with national and international organizations. Partnerships with entities responsible for vegetation cover development, desertification control, and wildlife conservation

ensure applied research, training programs, and awareness campaigns effectively support ecosystem protection. International cooperation expands knowledge exchange and strengthens the university's impact on ecosystem management and conservation.

Sustainable land management extends to responsible waste handling, water quality protection, and reducing the impact of alien species. Policies and practices for water discharge, hazardous waste management, and plastic waste reduction safeguard ecosystems, support human health, and foster environmentally responsible campuses.

Tourism-focused initiatives further integrate sustainability into community engagement. Educational programs, exhibitions, workshops, and competitions promote sustainable land and resource management in tourism areas, eco-tourism awareness, and biodiversity protection. Tree-planting campaigns and local conservation efforts encourage communities to actively participate in preserving natural and cultural heritage while promoting environmentally friendly tourism practices.

Through research, education, applied training, community outreach, and strategic partnerships, the University of Tabuk demonstrates its leadership in terrestrial ecosystem conservation. These initiatives align with Saudi Vision 2030 and the Sustainable Development Goals, preparing skilled graduates capable of protecting ecosystems, promoting sustainable practices, and contributing to a resilient and sustainable future.

SDG 16: Peace, Justice and Strong Institutions



The university fosters an environment grounded in inclusivity, transparency, and ethical governance, emphasizing integrity and accountability across all academic and administrative activities. By promoting responsible practices and equitable policies, the institution contributes to the development of just and resilient societies.

Through active engagement with students, faculty, and staff, the university encourages participation in leadership, decision-making, and community initiatives. Student councils, clubs, and programs provide platforms for developing skills, fostering dialogue, and nurturing a sense of social responsibility. These initiatives strengthen community cohesion, promote civic engagement, and empower students to act as agents of positive societal change.

The University of Tabuk also collaborates with local stakeholders, government bodies, and civil society organizations to provide research, advisory services, and evidence-based guidance. These partnerships support effective governance, inform policy development, and enhance institutional capacity, contributing to transparent, accountable, and responsive public and private institutions.

Through its educational programs, community engagement, and governance practices, the University of Tabuk exemplifies a commitment to cultivating ethical, inclusive, and well-governed institutions, thereby advancing the principles of peace, justice, and strong institutions in alignment with SDG 16.

SDG 17: Partnerships for the Goals



The University of Tabuk is committed to promoting sustainable development through strong partnerships at local, national, and international levels, in alignment with SDG 17: Partnerships for the Goals. The university collaborates closely with government entities, private sector organizations, and academic institutions to foster cooperation, knowledge exchange, resource mobilization, and capacity building. These partnerships enable the university to contribute effectively to addressing complex global challenges and advancing sustainable development.

Through strategic alliances, the University of Tabuk integrates research, innovation, and practical solutions that respond to societal and environmental needs. Its research initiatives are designed to generate actionable knowledge, support policy development, and enhance sustainable practices. By focusing on collaboration and prioritizing impactful outcomes, the university plays a key role in creating innovative solutions that align with national priorities and regional development objectives.

The university actively participates in international and regional forums, conferences, and collaborative events, promoting dialogue on the Sustainable Development Goals (SDGs) and fostering cross-sectoral partnerships. These initiatives provide platforms for knowledge sharing, joint action, and the adoption of best practices in sustainable development. Through engagement with global partners, including universities, international organizations, and industry leaders, the university contributes data, insights, and practical strategies that support evidence-based decision-making and long-term sustainability.

Education is a central component of the University of Tabuk's approach to SDG 17. The university integrates sustainability principles across undergraduate and postgraduate programs, ensuring students acquire knowledge and skills to address environmental, social, and economic challenges. Courses, workshops, and community outreach initiatives extend sustainability education beyond enrolled students, cultivating awareness and capacity for sustainable practices across society.

Additionally, the university collaborates with non-governmental organizations (NGOs) and private partners to implement projects and initiatives that advance multiple SDGs, including

environmental protection, responsible resource management, and social development. These collaborations strengthen the university's role as a trusted partner in promoting sustainable development and supporting innovation, capacity building, and the dissemination of knowledge.

Overall, the University of Tabuk's commitment to partnerships exemplifies its dedication to fostering collaboration, innovation, and knowledge exchange in support of the United Nations 2030 Agenda. Through strategic alliances, educational initiatives, and community engagement, the university contributes meaningfully to sustainable development at local, national, and international levels, reinforcing its position as a leading institution in driving impactful and solution-oriented outcomes.