



**SUSTAINABLE  
DEVELOPMENT GOALS**



Progress Report 2024-2025

Trident Academy of Technology

**11** SUSTAINABLE CITIES  
AND COMMUNITIES





# SDG 11 SUSTAINABLE CITIES AND COMMUNITIES

## INTRODUCTION

UN Sustainable Development Goal (SDG) 11, which aims to make cities and human settlements inclusive, safe, resilient, and sustainable, offers a unique opportunity to drive collective progress and achieve global sustainable development. Recognizing the significant role of cities in environmental sustainability and economic growth, the goal focuses on key indicators such as preserving cultural heritage, promoting sustainable practices like commuting and affordable housing, and ensuring access to efficient and safe transportation systems.

Affordable and adequate housing is crucial for improving health, education, and economic opportunities. Efficient transportation systems are essential for daily life, facilitating access to workplaces, educational institutions, healthcare facilities, and social activities. The type, quality, and safety of transportation systems also impact environmental conditions and greenhouse gas emissions.

Cultural and natural heritage plays a vital role in sustainable development, contributing to several SDGs. Higher education institutions, as centres of learning and innovation, can play a pivotal role in achieving these goals. By promoting education, innovation, and awareness, they can contribute to the sustainable development of cities and communities.

## OUR EFFORTS TOWARDS A SUSTAINABLE COMMUNITY

The Institute is proactive in promoting the cultural heritage of the region by organizing various extracurricular activities like Heritage walks and awareness programs for language, local art, traditions, and folklore, and hands-on workshops to train students on best sustainable practices to be adopted. TAT conducts various programs for the promotion of cultural heritage. Prior to the establishment of this Institute campus, the designated land was a brownfield, which has transformed to a green landscape. The green campus has been achieved with the efforts of a comprehensive plantation program. Public and green spaces offer opportunities to enrich health and the quality of life for all people living in and around the campus. The Institute promotes sustainable practices like mass transit by providing buses and van pools for the Staff and students of the local area to commute to the Campus. Policies also have been made to promote Sustainable commuting on the campus. The institute provides affordable accommodation facilities within the campus for students and faculties. SDG 11 promotes safe, affordable and sustainable living conditions that helps in improving our physical and psychological health, strengthening our communities, and making our neighbourhoods more attractive places to live and work are just some of the benefits. The Institute has been taking steps to find potential solutions to create more sustainable, inclusive and innovative green buildings on the campus that stand out due to their high energy efficiency and making it more habitable. SDG 11 (Sustainable Cities & Communities) promotes cultural heritage and sustainable practices essentially required for the sustainable development of the communities. The targets outlined below focus on sustainable communities by providing public access to buildings and landscapes of cultural significance, contributing to and preserving the intangible heritage of India, and promoting and providing the faculties and students of local areas access to sustainable commuting systems, and safe and affordable housing. Keeping with the motto of an ecologically sensitive green campus all the building structures have been strategically constructed using locally available materials to minimize further damage to the site. TAT plays an essential role in collaborating with local planning authorities and industrial partners through consultancy projects that work continuously to promote sustainable and resilient housing projects for the welfare of the local community.

## SUPPORT OF ARTS AND HERITAGE

### PUBLIC ACCESS TO BUILDINGS

Trident Academy of Technology (TAT) is committed to fostering a holistic learning environment that extends beyond engineering and technology. The institution actively supports arts and heritage through various initiatives, including cultural festivals, student-run clubs, workshops, heritage walks, and collaborations with local artisans. These initiatives not only enrich the cultural life of the campus but also promote heritage awareness, connect students to their cultural roots, and inspire creativity and innovation.



Trident Academy of Technology (TAT), India, actively contributes to Sustainable Development Goal 11 – Sustainable Cities and Communities by fostering inclusivity, cultural preservation, and community engagement. The institution ensures public access to its campus facilities, encouraging local participation in educational, cultural, and recreational programs. It regularly opens its infrastructure—such as classrooms, auditoriums, and sports halls—for community use, promoting collaboration between students and the public.

TAT’s campus often serves as a venue for activities like yoga sessions, chess competitions, and quiz contests for local schools and community groups. These initiatives not only promote physical fitness and mental well-being but also strengthen intellectual and social connections among youth. The institution’s open-door approach reflects a commitment to social responsibility and holistic education beyond technical training. Furthermore, TAT demonstrates strong support for arts and heritage preservation. While primarily a technology-oriented institution, it organizes cultural festivals, art exhibitions, and heritage-themed events that celebrate both traditional and modern art forms. Students are encouraged to showcase their creativity through music, dance, theater, and fine arts. Student-run clubs and societies play a vital role in nurturing artistic talent and promoting creative expression. The college also conducts workshops and interactive sessions with local and national artists, offering students exposure to diverse cultural perspectives. These programs build appreciation for cultural diversity and innovation while helping preserve India’s rich artistic traditions.

Through these combined efforts, Trident Academy of Technology exemplifies how a technical institution can integrate sustainability, cultural enrichment, and community engagement into its core mission. Its initiatives not only strengthen local partnerships but also contribute meaningfully to building sustainable, inclusive, and culturally vibrant communities aligned with the vision of SDG 11.



## PROMOTE SUSTAINABLE COMMUTING

TAT encourages environmentally friendly transportation, and it's important to note that the university operates a bus service to carry Day Scholars to and from the campus, which lessens traffic and pollution while also improving air quality. It is recommended that pedestrian access be given priority on campus because students can walk between buildings and visit all buildings without the use of a vehicle. By moving to more sustainable transport, we will gain several advantages for the environment and our health, such as less air pollution and noise. Less reliance on finite fossil fuels. Future-proofed transportation that can run renewable energy sources.

## AFFORDABLE HOUSING FOR EMPLOYEES

TAT provides employees coming from other towns and cities, with affordable housing on the campus. The housing apartments for employees is geographically well distributed on the campus. There is a well-implemented policy on affordable housing for the employees. This quality and affordability of housing in the campus has a positive effect on both the physical and mental health of the employees making them give their best at the workplace. The process is non-tedious for applying for housing for employees as per the policy. The desiring employee needs to apply for it and after assessing the applications received and the housing units available, it is allotted to them. The employees staying on the campus can enjoy the green campus and all the sports facilities provided on the campus.

## PEDESTRIAN PRIORITY ON CAMPUS

Cycling and pedestrianism are encouraged at TAT campus since they are essential components of any sustainable transportation plan. Additionally, policies have been put in place to encourage cycling and pedestrianization on campus. On campus, pedestrian mobility needs to be promoted by offering the following:

To encourage pedestrianization on campus, walkways have been designed to allow easy access to common amenities. Specifically designated covered routes (top and sides) have been created to ease walking.

## LOCAL AUTHORITY COLLABORATION REGARDING PLANNING AND DEVELOPMENT

To develop a different vision for the community's growth and development that can contribute to economic development and enhance the residents' quality of life, TAT works closely with the BDA (Bhubaneswar Development Authority) and industrial partners. Additionally, it is crucial to spread knowledge of the SDGs through forums, public lectures, and community events. It does initiatives through consulting and works with industry partners to promote sustainable building approaches that support community uplift.



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