



**TEERTHANKER
MAHAVEER UNIVERSITY**
Moradabad

Accredited with NAAC **A** Grade

12-B Status from UGC



SUSTAINABLE DEVELOPMENT GOALS

Report on
SDG-11

11 SUSTAINABLE CITIES
AND COMMUNITIES





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**SUSTAINABLE
DEVELOPMENT
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11 SUSTAINABLE CITIES AND COMMUNITIES



Teerthanker Mahaveer University (TMU) is deeply committed to contributing towards the development of sustainable cities and communities through dedicated research, innovation, and community-focused projects. The University emphasizes eco-friendly urban planning, sustainable housing solutions, and the integration of smart city concepts into practical initiatives.

The TMU campus itself reflects this vision, with thoughtfully maintained green spaces, advanced rainwater harvesting systems, and robust waste management protocols, serving as a model for environmental sustainability. Furthermore, TMU actively engages its students in real-world projects that encourage sustainable community development, including studies on public transportation, renewable energy adoption, and resource-efficient infrastructure. Through these initiatives, TMU strengthens its alignment with SDG 11 (Sustainable Cities and Communities) by promoting environmentally responsible practices and fostering sustainable living both within the campus and in the surrounding society.

SDG-11





SDG-11

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Publications on Various SDGs (2024)		
S. NO	Sustainable Development Goals	No of Publications
1.	No poverty	5
2.	Zero hunger	33
3.	Good health and well-being	332
4.	Quality Education	239
5.	Gender equality	43
6.	Clean water and sanitation	19
7.	Affordable and clean energy	45
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Introduction: SDG 11 – Sustainable Cities and Communities

Sustainable Development Goal 11 aims to make cities and human settlements inclusive, safe, resilient, and sustainable. As the world continues to urbanize rapidly, more than half of the global population now resides in urban areas, making cities the focal point of both opportunities and challenges. Urban centers are hubs of education, innovation, and economic growth, but they also face critical issues such as housing shortages, inadequate infrastructure, pollution, congestion, and rising inequalities.

Universities, often located at the heart of these cities, play a vital role in shaping sustainable urban futures. Their campuses serve as living laboratories for sustainable practices, research, and community engagement. By promoting green infrastructure, efficient waste management, renewable energy, and inclusive urban planning, universities can model sustainable urban living for their surrounding communities.

Sustainable cities are not only about physical infrastructure but also about fostering social inclusion, cultural heritage preservation, and economic equity. The relationship between a university and its surrounding community must be symbiotic—supporting knowledge exchange, local entrepreneurship, and social well-being.

Through academic programmes, outreach activities, and sustainable campus initiatives, institutions like Teerthanker Mahaveer University (TMU) contribute to achieving SDG 11 by ensuring that urban and rural communities thrive together. TMU envisions a future where cities and communities coexist harmoniously with nature, ensuring quality of life for present and future generations.

In essence, SDG 11 encourages universities to go beyond their gates, acting as catalysts for sustainable urban transformation and resilient community development that endures across generations.

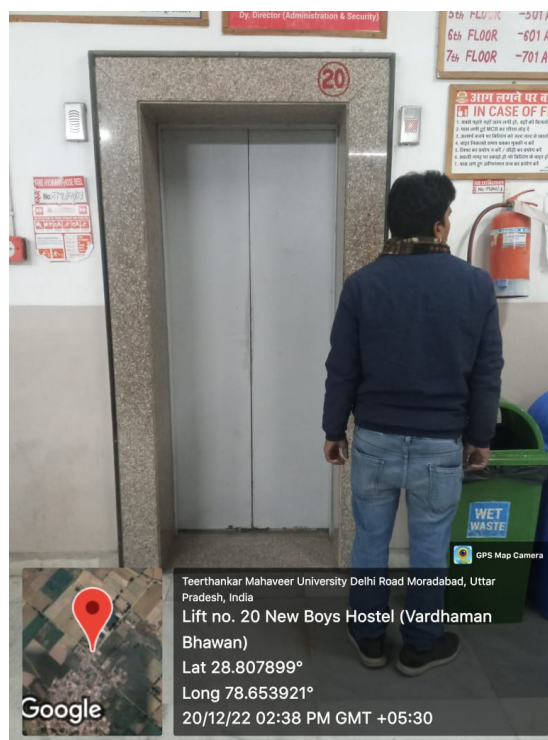
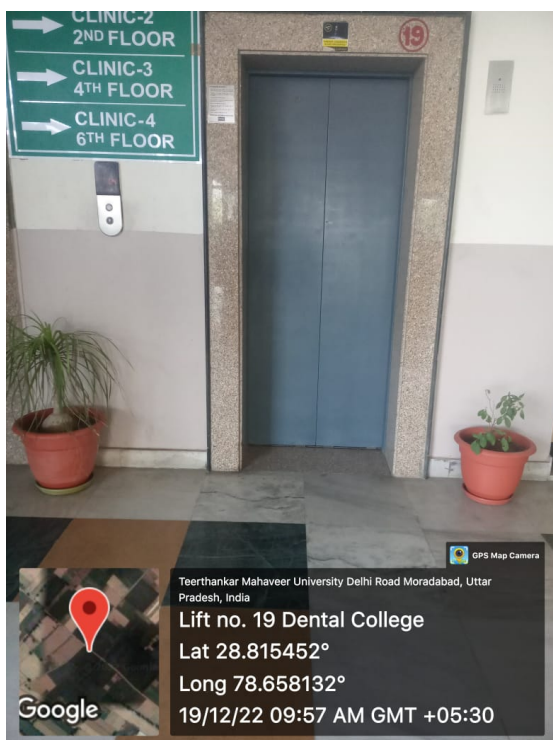
Metric 11.2.1 – Public Access to Buildings

Ensuring that public buildings and spaces are accessible, safe, and inclusive is a key component. Teerthanker Mahaveer University (TMU) demonstrates its commitment to this target through the design, planning, and provision of its built environment—ensuring that campus buildings such as academic blocks, hostels, library spaces, hospital buildings and public-amenity zones are accessible to students, staff, and members of the public alike.

Accessible Facilities for Persons with Disabilities (PwD)

On the university website, TMU clearly outlines its facilities for Persons with Disabilities (PwD). Every academic block, administrative block, and hostel has ramps and lifts enabling ease of access throughout the built environment. Specifically, the university lists lifts in key buildings (e.g., Shikhar Apartment, Vaishali Apartment, several academic blocks) and ramps across all blocks including the hospital, dental college, test-tube baby centre and physiotherapy OPD. Special washrooms for PwD are provided in all blocks, and assistive technologies and wheelchair availability on request further reflect the university's attention to universal access. These features ensure that campus buildings are not just functional but inclusive—enabling students and visitors with mobility challenges to access academic and administrative spaces.





Lifts in the College and Hostel Premises

Modern Infrastructure and Open-Use Amenities

TMU's website highlights its "state-of-the-art infrastructure" across academic, research, residential and hospital buildings. The "Campus View" section presents major buildings – academic blocks, hostels, library, hospital, indoor stadium – and indicates that these facilities are accessible and visible within the campus environment. The openness of campus buildings fosters transparency and allows external visitors, community members, and prospective students to explore facilities, enhancing public engagement and inclusion.

Public-Friendly Campus Layout and Built Environment

TMU's campus layout supports public access to buildings: wide roads, landscaped pathways, open-visitation hostels, hospital and library zones all contribute to a welcoming built environment. The "why TMU is the best" blog references "wide roads, clean surroundings, and accessible buildings" as integrative elements of the campus masterplan. Such design contributes to the functionality of buildings for internal users and external stakeholders alike, aligning with SDG 11.2.1's aspiration for inclusive architecture.

Link to the Campus Infrastructure: <https://www.tmu.ac.in/tmu/campus-view>

Healthcare Facility as Public-Access Building

The TMU Hospital, part of the campus complex, serves not only enrolled students but the general public for inpatient, outpatient, emergency and specialist services. Its building is listed among accessible facilities and the hospital zone includes ramps, lifts and accessible corridors. This further demonstrates TMU's commitment to providing buildings that serve broader societal needs—not just academic users.





Library and Study Spaces with Open Access Dimensions

TMU's central library and departmental libraries are part of the listed infrastructure accessible to students, researchers, and visiting scholars. They share the building environment with academic blocks and host public-facing exhibitions and services. The campus buildings housing these resources integrate accessible design features and open-use policies, thereby supporting collective academic and public interactions.

Metric 11.2.2: Public Access to Libraries

Access to knowledge is a cornerstone of sustainable and inclusive communities. Teerthanker Mahaveer University demonstrates an unwavering commitment to ensuring that learning resources, information, and intellectual spaces are accessible to the broader public. Through its robust library system and open-access initiatives, TMU actively supports lifelong learning, promotes literacy, and strengthens community engagement by providing public access to its libraries, books, and publications.



Journal Shelves Accessible for Public

TMU's Library Ecosystem as a Community Resource

TMU hosts a network of well-equipped libraries that cater not only to its students and faculty but also to individuals from the surrounding region seeking knowledge resources. The Central Library and departmental libraries collectively house an extensive collection of books, journals,





periodicals, e-resources, reference materials, research publications, dissertations, and educational content across disciplines such as medicine, engineering, humanities, management, education, law, pharmacy, nursing, and social sciences. This diverse repository makes TMU a significant knowledge hub within the region.

Recognizing the library as a public intellectual space, TMU extends access to community members, school students, researchers, and professionals who benefit from its academic environment. This aligns with SDG 11's focus on promoting inclusive public spaces that enable social, cultural, and educational participation.



Books Available for Public Access

Open and Guided Access for Community Members

TMU ensures that non-university individuals—such as school teachers, civil service aspirants, researchers, and community learners—can access select library facilities for academic or personal development. Through structured procedures, visitors can access reading rooms, reference sections, and digital repositories under supervision. This encourages a culture of shared learning and expands educational opportunities for the general public.

The University also hosts school and college visits, allowing students from neighboring institutions to explore the library, understand how to use academic resources, and cultivate reading habits.





These initiatives enhance early exposure to academic environments and foster a love for reading among youth.



E-Learning Resources at Public Access

Access to Digital and E-Learning Resources

In addition to physical books, TMU enables the public to engage with digital resources through guided access during workshops, training sessions, and community-oriented educational programmes. Resources include:

- e-books and e-journals
- Open-access publications
- Research databases
- Digital learning platforms
- Audio-visual educational content

By providing exposure to digital learning modalities, TMU contributes to bridging digital divides and fostering equitable access to knowledge.

Community Outreach Through Library-Based Initiatives

TMU's libraries regularly collaborate with academic departments to conduct book exhibitions, literacy awareness programmes, reading promotion activities, and academic enrichment sessions.





These programmes often extend beyond campus, reaching schools and community spaces where the need for reading support is high.

Additionally, TMU promotes the use of libraries as safe, inclusive, and resourceful spaces for students preparing for competitive exams, teachers seeking updated knowledge, and community members pursuing lifelong learning goals. Such initiatives enhance intellectual engagement across different age groups and social backgrounds.



Reading Area for Public Access

Support for Research and Academic Growth

By offering access to publications, reference materials, and academic journals, TMU supports independent researchers, visiting scholars, and external collaborators. Faculty mentors and library staff guide visitors in accessing databases, retrieving information, and navigating scholarly content. This encourages a research culture beyond the university's boundaries and contributes to the creation of knowledgeable, research-informed communities.

Libraries as Inclusive Public Spaces

TMU aligns its library practices with the broader vision of SDG 11 by ensuring that libraries serve as accessible, inclusive, and culturally enriching public spaces. The reading halls, discussion corners, reference areas, and digital learning sections are designed to be open, welcoming, and





conducive to quiet study. Adequate seating, lighting, digital access points, and trained staff ensure that community visitors find the environment supportive and user-friendly.

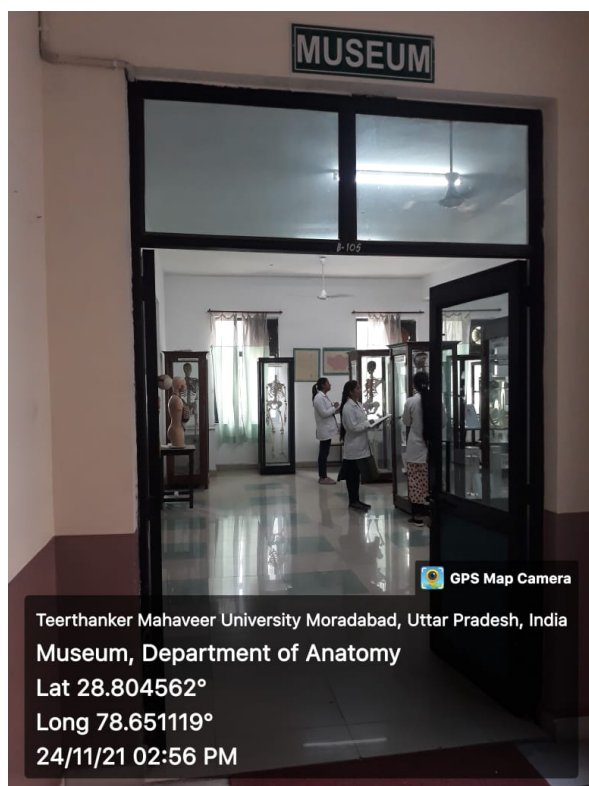
Advancing Sustainable Development Through Knowledge Sharing

TMU's emphasis on public access to libraries plays a transformative role in fostering sustainable development. Knowledge dissemination equips community members with the tools to understand societal challenges, engage with SDGs, participate in civic discussions, and contribute to local development. By removing barriers to information, TMU helps build informed, empowered communities that can engage meaningfully in social progress.

Metric 11.2.3: Public Access to Museums

Access to cultural institutions such as museums, galleries, and exhibition spaces represents a vital component of inclusive, resilient, and knowledge-rich urban and campus environments. Teerthanker Mahaveer University in Moradabad affirms its commitment to this objective through the establishment of a dedicated museum space and by hosting public-facing art exhibitions that invite community engagement, creative exploration, and cultural enrichment.

Link to Museum: <https://www.tmu.ac.in/tmu/museum>



Glimpses of the TMU Museum





TMU's "Museum – Moradabad" page on the University website confirms the institutional recognition of a museum facility on campus. This facility serves not only as an archive of artefacts, images and educational displays, but as a public space that supports learning, heritage awareness, and communal interaction. The presence of this museum underscores TMU's intention to cultivate an inclusive knowledge environment that extends beyond purely academic instruction to embrace cultural, historical and aesthetic dimensions of higher education.

The University also hosts annual art exhibitions through the College of Fine Arts, TMU such as the "United We Can" series, where student artworks including canvas paintings, murals, digital art, and installation pieces are displayed for public viewing. These exhibitions are open to art lovers, parents, local schools and general public, reflecting TMU's commitment to making its creative assets accessible and fostering community involvement in cultural learning. The inclusive format supports the idea of museum-style public access, where artistic and intellectual content is shared beyond university boundaries.

In practice, TMU's public-access cultural offering contributes to several key dimensions of SDG 11. These include:

- the creation of safe, inclusive and accessible public spaces for cultural participation;
- the promotion of lifelong learning, creativity and local heritage awareness;
- bridging academic and community spheres by opening university cultural infrastructure to external audiences;
- enhancing social cohesion by inviting diverse users to engage with art and heritage within a formal institutional setting.

By integrating its museum facility and annual exhibitions with broader campus and community programmes, TMU advances a culture of open knowledge, creative expression and inclusive access. Community members, school-visitors and public stakeholders are encouraged to explore the museum and display areas, thereby building a stronger connection between the university, civic society and cultural learning.

To strengthen this public dimension, TMU ensures that signage, gallery announcements and campus-wide media highlight these events as open invitations, lowering the barrier between academic campus and local community. The gallery and museum spaces are designed to be publicly visible, accessible and welcoming, which supports the wider SDG objective of ensuring cities and communities provide inclusive and culturally enriching spaces.

Metric 11.2.4: Public Access to Green Spaces

Green, open and accessible spaces are a vital component of sustainable and inclusive communities. TMU emphasizes the creation, maintenance and accessibility of green spaces across its campus. These open landscapes not only enhance ecological value, but also provide students, staff and the wider community with environments that support health, recreation, and wellbeing.

Spanning over 130 acres, TMU's campus creates a significant green infrastructure. The "About University" page highlights the university's focus on creating sustainable landscapes, including the cultivation of native plant species, green belts, landscaped lawns and tree plantation drives. Under the "Green Campus Initiatives" section, TMU reports that it has planted a large number of trees, maintained lawns and grounds,





and implemented a landscaping scheme across the grounds and roadside areas. These initiatives contribute to clean air, biodiversity and natural open-space amenity.

Link to Green Campus Initiative: <https://www.tmu.ac.in/tmu/igac-cell/institutional-values/green-campus-initiatives>

The campus layout deliberately restricts automobile access to some zones to minimize pollution and enhance pedestrian-friendly green zones. TMU’s “Green Campus Initiatives” mentions “Restricted Entry of Automobiles” so that lawns and grounds become safer and more accessible for students and visitors. Such design supports safe, inclusive use of open spaces and encourages walking, outdoor activity and social interaction in nature-rich settings.



Green Landscapes for Public Access

In addition to environmental benefits, TMU’s green spaces serve as multipurpose public-facing assets. The lawns, grounds and landscaped recreational areas are visible in the campus gallery and widely displayed on the website as part of “Campus View”. These spaces are utilized by students for recreation, reflection, small-group learning, informal gatherings and wellness activities such as yoga and meditation (which are listed in the “Student Life” section). While primarily serving the university community, the openness of these green zones also enables community-level engagement, outdoor events, and public-friendly settings for visiting families and prospective students.

TMU’s commitment to sustainable landscaping is reinforced by integrated environmental systems such as water recycling and landscaping with treated water. The “About University” page notes that the advanced





water recycling system ensures the reuse of treated wastewater for landscaping and non-potable purposes. This approach ensures that green spaces are maintained sustainably, without placing undue burden on natural water resources.



Green Landscapes for Public Access

From a social inclusion perspective, TMU's green spaces are situated accessible on the main campus along NH-9 in Moradabad, and are designed as open, welcoming environments rather than restricted-use zones. The extensive green campus offers the local community a visible and accessible contact with nature and campus infrastructure. The presence of lawns and open grounds contributes to a campus identity that is attractive, calm and community-oriented.

By providing and maintaining large accessible green areas, TMU helps fulfil several underlying expectations of SDG 11.2.4: the availability of open green spaces that support public health, community resilience, social interaction, and a sense of place. The combination of landscaping, tree-planting drives, water-efficient irrigation, pedestrian-friendly design, and multi-use lawns ensures that the campus functions both as an academic institution and as a sustainable public environment.

Metric 11.2.5: Arts and Heritage Contribution

Sustainable cities and communities thrive not only by investing in infrastructure and public spaces but also by nurturing culture, heritage, and artistic expression. At TMU, this ethos is reflected through vibrant club-based arts activity, public performances, cultural festivals, and heritage-focused student organizations that collectively enrich the local cultural ecosystem.

Link to Activities: <https://www.tmu.ac.in/student-club>





TMU's comprehensive student-clubs framework includes active clubs such as the Theatre Club, Music Club, Singing Club, and Culture & Heritage Club. These clubs provide platforms for performance, exhibition, and creative engagement. For instance, the TMU Theatre Club offers opportunities for students to engage in acting, script-writing, direction, and stage-management, culminating in live theatre productions during university-wide events. The Music and Dance Room at TMU is described as a "lively hub for artistic expression" equipped with professional-grade instruments, recording facilities, and rehearsal studios. These infrastructure features enable students to rehearse and perform in high-quality settings, thereby enhancing the artistic output of the institution.



Rock-On Cultural Event held at the University

One of TMU's signature public cultural events is "Rock On" – the annual cultural meet that invites live musical performances open to students, faculty and wider audiences. In December 2024, TMU hosted Bollywood music duo Meet Bros at Rock On, attracting over 16,000 participants. This large-scale publicly accessible performance underscores TMU's commitment to making culture available beyond closed academic circles and engaging the broader regional community.

TMU's Culture & Heritage Club plays a key role in promoting heritage awareness and cultural diversity through festivals, exhibitions, club-led events and heritage-site visits. These efforts not only enrich student life but serve the wider public by celebrating traditions, arts and creative identity.

By opening such performance platforms and cultural infrastructures, TMU helps cultivate the conditions necessary for thriving arts and heritage ecosystems. The availability of public concerts, theatre productions, art exhibitions, music festivals and heritage-club outreach contributes to inclusive spaces for cultural participation—a core dimension of SDG 11. The success of these initiatives demonstrates that a university campus can function as a cultural hub for its city and region.





Students Engaged in an Event Promoting Cultural Harmony

Furthermore, TMU's cross-disciplinary integration of arts—through collaborations among fine-arts programmes, student clubs, and cultural events—shows how higher education institutions can blend pedagogy, creativity and public engagement. Students gain artistic experience and training, the university community enjoys rich cultural events, and the regional public receives access to arts and heritage offerings that might otherwise be unavailable locally.

In addition to performance-driven engagements, the university website references gallery content under Music & Dance, indicating a documented history of visual and performative arts available for public viewing. Open-access galleries and public-oriented events ensure that the cultural resources of TMU are not limited to enrolled students alone but are accessible to the local community and alumni networks.

In sum, TMU's arts and heritage contributions advance SDG 11.2.5 by offering publicly accessible culture, facilitating broad participation in the arts, and integrating heritage awareness into academics and campus life. By leveraging student clubs, dedicated performance infrastructure, large-scale festivals, and community-open artistic engagements, TMU galvanises cultural vitality, supports inclusive participation, and strengthens its role as a regional centre for creative expression. Through these sustained efforts, TMU reaffirms that vibrant culture and heritage are integral components of sustainable, inclusive, and resilient communities.





Metric 11.2.6: Record and Preserve Cultural Heritage

Safeguarding intangible cultural heritage is central to the vision of TMU, wherein the University emphasizes the protection of folklore, oral traditions, regional arts, languages, and heritage knowledge systems. Teerthanker Mahaveer University (TMU), as a multidisciplinary institution, contributes meaningfully to this global mandate through a range of educational, cultural, and community-oriented initiatives that uphold, celebrate, and transmit India's diverse intangible heritage to future generations.

Preservation Through Cultural and Heritage Clubs

TMU's Culture & Heritage Club plays an essential role in documenting and celebrating traditional arts, customs, and community practices. By organizing cultural showcases, traditional-art performances, inter-college festivals, and regional celebrations, the club creates active platforms for students to explore and express India's intangible heritage. These events often highlight folklore, folk music, classical arts, traditional attire, and regional crafts, enabling students from diverse backgrounds to present and preserve cultural narratives in a shared space. Such club-based activities serve as informal archives of living culture, keeping heritage alive through creative student engagement.



Student Performing Acts





Educational Spaces for Cultural Knowledge

Through its humanities, social sciences, fine arts, and language-based programmes, TMU fosters academic learning that contributes to the preservation of cultural narratives and heritage knowledge systems. Students are encouraged to explore subjects such as Indian history, regional cultures, classical literature, and traditional knowledge frameworks. Assignments, fieldwork, and presentations created in these courses serve as small but meaningful repositories of documented cultural understanding. These academic processes allow cultural knowledge—including regional folklore, oral histories, and community-specific practices—to be discussed, analysed, and preserved in formal educational settings.

Festivals as Living Archives

University-wide cultural festivals—such as annual celebrations, traditional days, and theme-based cultural programmes—function as living archives of intangible heritage. Performances of folk songs, classical dance forms, indigenous games, regional cuisines, and ceremonial traditions contribute to the preservation of cultural memory in its authentic, performative form. These events ensure that traditions are not only observed but actively practiced and transmitted to new learners.



Students Engaged in Festival Celebrations





Student Documentation and Creative Expression

TMU's student publications, campus media activities, photography clubs, and Fine Arts department contribute significantly to recording intangible heritage. Artwork, murals, student films, documentary projects, and digital stories often depict local culture, customs, festivals, and indigenous identities. Such creative outputs become visual and narrative archives, preserving cultural elements that might otherwise remain undocumented. These contributions, though student-led, represent powerful expressions of cultural continuity.

Community Engagement and Local Traditions

As a university anchored in the culturally rich region of Uttar Pradesh, TMU regularly engages with local communities through outreach activities. Interactions during health camps, awareness drives, and rural engagement programmes often expose students to local folklore, traditional community practices, and region-specific knowledge systems. While the primary objective of these visits is service, students inadvertently learn, record, and reflect upon cultural patterns that enrich their understanding of intangible heritage. This field exposure promotes respect for traditional knowledge while preserving it through observation, academic reflection, and documentation.

Inclusive and Pluralistic Cultural Preservation

Many TMU festivals and cultural gatherings emphasize interfaith harmony and India's pluralistic identity. By celebrating festivals across religions and regions—reflecting the diversity of its student body—the university strengthens cultural inclusivity. These celebrations not only preserve traditions but also promote mutual respect, social cohesion, and a shared cultural consciousness.

Metric 11.4.1: Sustainable Commuting Practices

In pursuit of creating sustainable, inclusive, and environmentally responsible communities, TMU recognises the critical role of commuting and campus-mobility practices that encompasses the use of non-motorised transport, shared vans or buses, electric vehicles (EVs) and e-mobility solutions—measures which reduce carbon emissions, lower traffic congestion, and support healthier, walkable environments. TMU has begun to integrate several of these practices as part of its green campus strategy and institutional mobility systems.

One of TMU's key mobility initiatives is its dedicated Transport Facility which operates an extensive fleet of over 80 GPS-enabled university buses servicing routes between surrounding towns and settlements and the campus. These scheduled routes extend up to distances of 80 km from Moradabad and include multiple adjoining towns, enabling students and staff to commute via a shared university-sponsored bus system rather than individual private vehicles. This practice directly supports reduced private vehicle usage and enhances mass transit efficiency.

Additionally, TMU under its “Green Campus Initiatives” has introduced measures to reduce reliance on private motor vehicles inside the campus itself. The university restricts the entry of vehicles into several internal zones of the campus, issuing “Green Pass” only to on-campus resident vehicles and a separate





“Yellow Pass” for other vehicles. By controlling vehicle access and encouraging walking or alternative e-mobility for internal travel, TMU promotes pedestrian-friendly pathways and reduces traffic-related emissions and noise.



Transport Vehicles at the University Premises

Complementing this approach, TMU has introduced battery-powered vehicles such as e-rickshaws and golf-carts within campus, providing internal transport that is electric, low-noise, and eco-friendly. Pedestrian-friendly walkways made of inter-locking eco-bricks connect major buildings and hostels, enabling safer, healthier walking for campus occupants. Through these initiatives the university ensures that travel within the campus compounds the institution’s sustainability goals.

While TMU already evidences these practices, the institution is positioned to set formal targets and monitoring frameworks to amplify sustainable commuting impact. For example, TMU could aim to increase bus usage by 20 percent over five years, reduce campus-privately-owned vehicles by 30 percent, or achieve 100 percent electric-vehicle access for internal transport by 2030. Though the website does not yet declare explicit numerical targets, the existing policies constitute a strong foundation aligned with SDG 11.4.1.

Moreover, to further promote non-motorized transport and healthy mobility, awareness campaigns encouraging walking or cycling to campus from nearby zones could be embedded within student induction and commuting systems. While TMU’s current emphasis on shuttle buses and restricted vehicle entry is laudable, adoption of designated bicycle tracks, bike-sharing systems, and greater public transport linkages from the city would further advance its sustainable mobility profile.





Battery Powered Vehicles at University Premises

The integrated transport strategy at TMU not only enhances environmental performance but also contributes to student well-being, safety, and inclusivity. By promoting shared transport and limiting private vehicles, TMU fosters equitable access—students and staff from distant towns benefit from university-run buses, reducing transport cost and enabling access to higher education and employment.

In sum, TMU's sustainable commuting practices reflect a pragmatic alignment with SDG 11.4.1 by addressing mobility patterns within and to the campus. The introduction of shared buses, vehicle-entry restriction, e-mobility modes, pedestrian infrastructure and green-campus policy underpin the institution's commitment to reducing transport-related emissions, promoting healthier travel behaviours, and contributing to sustainable campus communities. With further articulation of measurable targets, monitoring systems, and expanded non-motorised infrastructure, TMU is well-positioned to evolve its mobility framework into a fully sustainable model. By embedding mobility into its institutional sustainability agenda, TMU demonstrates that higher-education campuses can lead the way in creating low-carbon, accessible, and livable environments for students, staff and the broader community.



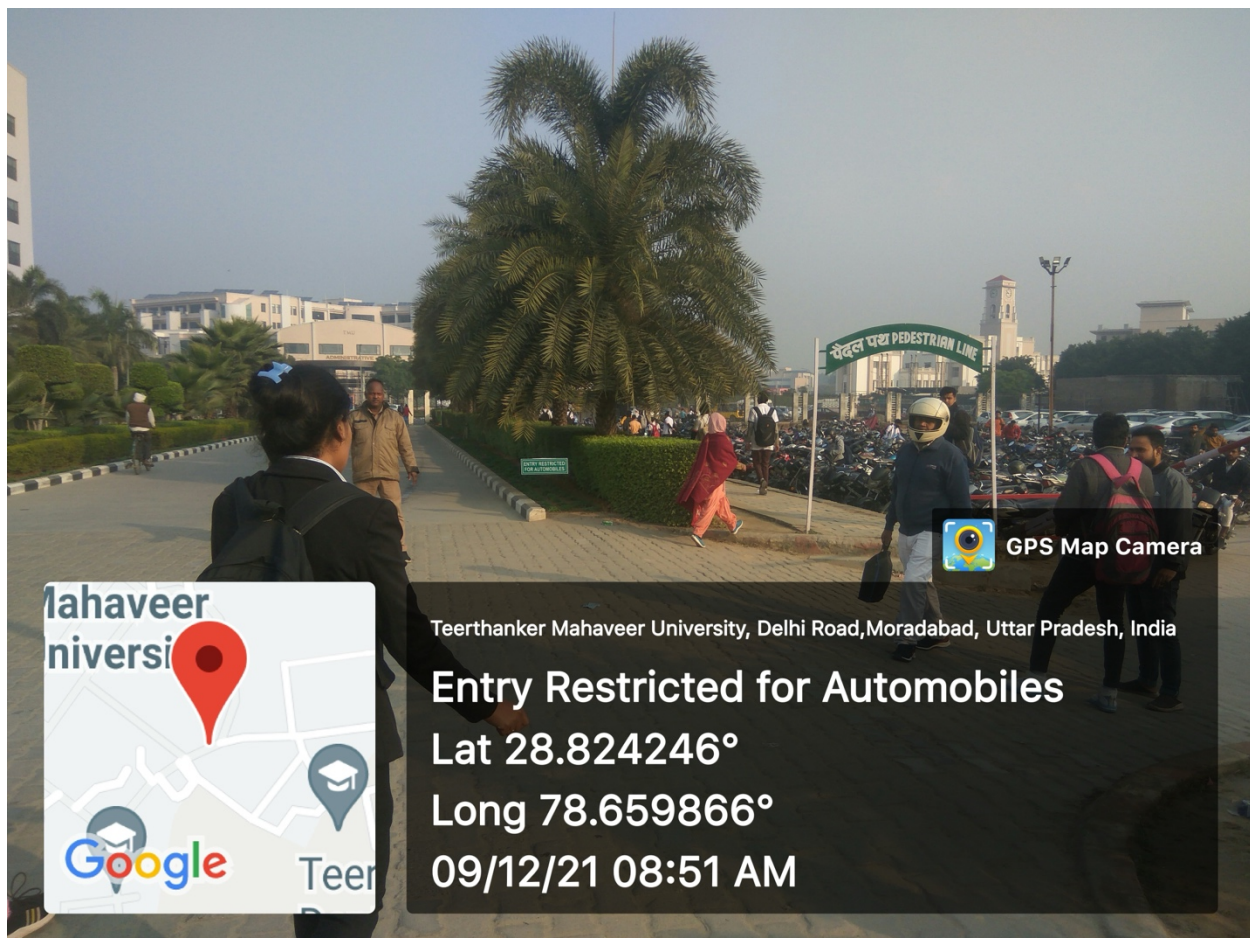


Metric 11.4.2: Promote Sustainable Commuting

Teerthanker Mahaveer University (TMU), through its campus infrastructure and institutional policies, demonstrates a consistent effort to reduce the environmental footprint of mobility and encourage greener, more efficient commuting options for its students, faculty, staff, and visitors. The University's transport ecosystem, as presented on its website, reflects clear intent toward sustainability-centered mobility practices.

Large-Scale Shared Transport System (University Bus Fleet)

A central pillar of TMU's sustainable commuting strategy is its extensive shared transport system, consisting of over 80 university buses that operate across Moradabad and adjoining towns. These buses offer scheduled, safe and economical travel for students and staff, minimizing the need for private vehicles. By promoting shared travel, TMU significantly reduces the number of individual vehicles on the road, thereby cutting emissions, traffic congestion and fuel consumption. The bus fleet is GPS-enabled, ensuring safety, route efficiency, and better monitoring—further strengthening the system's sustainability value. This proactive encouragement of bus commuting is one of the strongest sustainable commuting measures implemented at TMU.



Entry Restricted for Automobiles





Restriction on Private Vehicle Entry to Campus

Under its Green Campus Initiatives, TMU has introduced a strict policy that limits private vehicle access within the campus. The University issues a Green Pass only to resident vehicles and a separate Yellow Pass for essential entry, thereby regulating vehicular movement inside the campus. This measured control results in:

- Substantial reduction of vehicular congestion
- Lower carbon emissions inside the campus
- A safer, quieter, more pedestrian-friendly environment

Promotion of Electric and Battery-Operated Campus Transport

TMU has introduced battery-operated e-carts and e-rickshaws for internal campus mobility. These electric modes serve as a clean alternative to petrol/diesel vehicles and are especially beneficial for elderly visitors, patients, and staff moving between departments. This initiative demonstrates TMU's adoption of low-carbon intra-campus mobility, an essential indicator of sustainable commuting.

Pedestrian-Friendly Campus Design

Walking is one of the most sustainable modes of commuting, and TMU encourages this by providing:



Pedestrian Lanes





- Wide pedestrian pathways
- Inter-locking eco-brick walkways
- Landscaped green corridors that promote comfortable walking. These features make walking a safe, attractive, and practical option within the campus. With reduced vehicle circulation, pedestrians experience a healthier and more pleasant environment.

Environmentally Responsible Landscaping and Mobility Integration

TMU's sustainable water reuse system—where treated water is used for landscaping—ensures that green spaces remain well-maintained.

These green zones, combined with minimized vehicular intrusion, promote:

- A cooler micro-climate
- Cleaner air for walkers and cyclists
- Enhanced commuter well-being

Green landscapes contribute indirectly to sustainable commuting by making slow mobility (walking, cycling, intra-campus travel) more appealing and comfortable.

Safety and Accessibility in Commuting Choices

TMU's emphasis on safe, structured commuting promotes a long-term culture of sustainable mobility. The availability of reliable shared buses encourages students from distant areas to avoid private transport. Additionally, regulated vehicle access ensures safe movement for pedestrians and cyclists.

Potential for Future Scaling

The existing practices—restricted vehicle entry, shared bus fleet, walking-friendly design and electric vehicles—provide a strong foundation for future sustainable commuting targets. TMU is well-positioned to expand into:

- Bicycle-sharing systems
- More widespread EV use
- Dedicated cycling lanes
- Further reduction of campus-based fossil fuel mobility

Metric 11.4.3: Allow Remote Working

Although Teerthanker Mahaveer University does not explicitly list a formal work-from-home policy on its website, the University has developed strong digital systems, e-learning capabilities, and administrative infrastructures that *support remote academic and administrative functioning whenever necessary*. These practices indirectly reduce travel demand, lower emissions, and contribute to more sustainable commuting patterns for staff and students.





Digital Infrastructure Supporting Remote Functionality

TMU has established a robust digital ecosystem, which includes online learning platforms, ERP systems, digital assessment tools, and online grievance redressal systems. These components allow faculty, staff, and students to carry out essential academic and administrative responsibilities without being physically present on campus. The University's **Learning Management Systems**, digital classrooms, and e-resource platforms enable lectures, assignments, assessments, mentoring, and academic interactions to occur remotely when required. During periods of academic planning, examination coordination, or faculty development, digital platforms reduce the need for faculty to commute frequently, thus supporting flexible work arrangements aligned with SDG 11.4.3.

Blended and Hybrid Academic Processes

While TMU primarily follows an in-person academic model, the University integrates blended learning approaches across departments. Online resources, video-supported teaching modules, and digital content repositories allow students and faculty to continue academic tasks beyond the confines of the physical campus. This hybrid functioning ensures that academic support—such as mentoring, viva preparation, consultations, research supervision, and departmental coordination—can take place remotely whenever appropriate. Such flexibility reduces unnecessary travel and fosters a more sustainable work culture.

Remote Support for Administrative Services

TMU's digital administrative platforms—such as online admissions, digital fee payment, computerized student records, and ERP-based internal communication—allow many administrative processes to be executed remotely. Staff can collaborate across departments via digital tools, reducing the frequency of on-campus meetings and inter-departmental travel. Furthermore, the University's online Grievance Redressal Cell and IQAC documentation portals allow staff to upload reports, submit forms, and engage in quality-assurance processes without needing physical submission, reflecting a shift toward remote-friendly governance.

Use of Online Communication Systems

TMU makes extensive use of digital communication tools such as email-based workflows, internal portals, official messaging platforms, and virtual meeting tools. This lowers commuting by reducing the need for routine physical meetings. Committee deliberations, research discussions, administrative planning sessions, and student services interactions are increasingly conducted online. These practices contribute to a workplace culture where remote engagement is widely accepted, especially for tasks that do not require physical presence—thereby promoting the spirit of SDG 11.4.3.

Support for Academic and Professional Development Through Online Modes

Faculty Development Programmes (FDPs), webinars, conferences, and training events are regularly conducted online. This enables faculty to participate in national and international





knowledge-sharing without the need for travel. Such remote academic participation reduces TMU's overall mobility footprint while enhancing professional growth.

Environmental Benefits of Digital and Remote Practices

TMU's digital-first approach in many operational areas reduces:

- Daily commuting for staff during planning or administrative days
- Paper-based processes requiring physical submission
- Short-distance campus travel for departmental coordination
- Travel for training, meetings, or academic collaboration

These digital mechanisms collectively advance sustainable commuting goals by decreasing vehicular dependence and encouraging environmentally responsible work methods.

Metric 11.4.4: Affordable Housing for Employees

Teerthanker Mahaveer University in Moradabad upholds this principle through its dedicated faculty-accommodation programme, offering modern, comfortable and strategically located residential units designed to support staff well-being, stability, and institutional belonging. According to TMU's website, the University "provides comfortable and modern accommodation for faculty members... spacious apartments ... well-furnished with modern amenities including high-speed internet, well-equipped kitchens, and nice interiors."

Link to Faculty Accommodations: <https://www.tmu.ac.in/tmu/faculty-accommodation>



Faculty Accommodation Facilities with Parking Area





This housing provision reflects TMU's institutional commitment to employee welfare and affordable living. By locating these residences on or immediately adjacent to the campus, TMU substantially reduces commuting demands for faculty and staff—aligning with sustainable mobility and local-community integration goals. The proximity of housing to campus facilities means much of the daily work commute is eliminated or minimized, contributing to reduced traffic, lower emissions, and improved work-life balance.

TMU's faculty housing features a suite of amenities often found in commercial rentals, yet managed under university oversight to ensure cost-effectiveness. The University web page highlights 24×7 power backup, free WiFi, round-the-clock security, on-site maintenance, and a tranquil green internal setting. These provisions strengthen the attractiveness of the accommodation without imposing the full market-rate costs borne by private housing. Through such design, TMU supports employees across academic and support functions with an enabling residential environment.

Although the TMU website does not publicly publish explicit rent levels or subsidy policies for staff housing, the presence of officially managed accommodation indicates a clear institutional strategy to contain housing cost pressures among employees. In regions with rapid urbanization and rising housing costs, university-provided housing functions as a stabilizing mechanism for employees, especially younger faculty, early-career staff and those with family responsibilities. TMU's housing programme thereby contributes to economic resilience and inclusive campus community development.

The housing infrastructure also aligns with campus sustainability-objectives in other dimensions. The apartments are integrated with the campus master-plan, adjacent to green spaces, pedestrian pathways, and transport facilities. This means staff who reside on campus can further reduce commuting, rely on campus amenities, and engage in campus life in more meaningful ways—supporting both their personal welfare and institutional cohesion.

In terms of institutional reporting and SDG alignment, TMU's accommodation scheme offers a tangible example of how higher-education institutions can take proactive responsibility for employee-housing affordability, living quality and sustainable community development. It presents a model where institutional housing is not a fringe benefit but a strategic asset in building a high-performing, stable, and connected campus workforce.

Going forward, to deepen alignment with SDG 11.4.4, TMU might consider publishing staff-housing policy details—such as rental frameworks, eligibility criteria, service-charges, maintenance subsidies and uptake data—and offering more units to non-faculty staff or contractual employees. Doing so would expand access to affordable housing across employee categories and further strengthen the University's role as a socially responsive employer and community anchor.

Metric 11.4.5: Affordable Housing for Students

TMU in Moradabad operationalizes this objective through its extensive in-campus hostel infrastructure, student-friendly amenities, transparent residential services, and strong institutional oversight. At TMU, the campus houses five hostels—two for boys and three for girls—with a combined capacity accommodating approximately 4,600 students. This scale of residential provision indicates the University's significant commitment to housing accessibility. The hostel accommodations feature single-occupancy and sharing options, allowing a range of price-points for students from diverse financial backgrounds.





In recognition of student welfare and affordability, hostel rooms are equipped with essential furnishings—beds, study tables, chairs, wardrobes, and air-coolers—ensuring comfort while controlling costs. In efforts to reduce operational costs and support sustainability, TMU has installed solar-heated water systems in all hostels, which lowers utility expenses and helps manage overall residential fees.

Link to Housing for Students: <https://www.tmu.ac.in/tmu/hostel>



One of the Girls Hostel at the University Premises

Affordability is further supported through the provision of large-scale shared accommodations—rooms available on four- or five-sharing bases—thereby reducing per-student cost. TMU’s webpage indicates that sharing options exist and highlights the capacity to manage large student populations without shifting costs excessively.

The hostel facilities are not only cost-effective but also conducive to academic success and well-being. With 24×7 power backup, water-purifiers, Wi-Fi connectivity, recreational and common rooms, laundry services and secure premises, the residential experience is high-standard yet cost-managed. The availability of non-academic amenities helps ensure that students’ living conditions do not become an additional financial burden but rather an enabler of academic focus and comfort.

From an institutional perspective, TMU’s dedicated student housing demonstrates a practical model of how higher-education institutions can fulfil the affordable-housing criteria in SDG 11.4.5. By locating the hostels within the main campus, the University reduces commuting time and cost for students—further





enhancing affordability. The proximity also fosters inclusive campus culture, access to campus services, and holistic student support.

While TMU's website does not publicly publish detailed fee breakdowns for every room type, it does convey the shared-basis approach, large capacity, and infrastructure investments that support affordability. For example, reviews indicate that room options range from multiple sharing arrangements, enabling lower per-student residential cost.

To further enhance alignment with SDG 11.4.5, TMU may consider articulating formal pricing tiers, offering subsidies for economically weaker sections, and monitoring housing affordability metrics. Nonetheless, the existing hostel infrastructure—large capacity, shared occupancy, essential amenities, solar-based utilities, and integrated campus living—positions TMU as a credible example of offering affordable student housing in a region where educational mobility and costs remain major barriers.

In addition to housing affordability, the quality of life in hostels includes green campus features, landscaped surroundings, walkable access to academic buildings, and wellness-oriented programming such as morning yoga and meditation sessions in hostels. These value additions contribute to an economically sustainable living model without significant cost escalation.

Metric 11.4.6: Pedestrian Priority on Campus

Teerthanker Mahaveer University (TMU), through its campus design and sustainability initiatives, demonstrates clear actions that prioritize pedestrians and minimise vehicular dominance across the campus. The University's green-campus philosophy, spacious infrastructure, controlled traffic zones, and walkable internal layout collectively reflect an environment built to support pedestrian mobility as a default mode of movement.

A Walkable, Nature-Integrated Campus

TMU's campus imagery, descriptions, and *Green Campus Initiatives* highlight the presence of expansive green landscapes, interlinked walking paths, shaded corridors, and well-maintained lawns. These green zones are intentionally designed to encourage walking by creating a calm, pollution-free atmosphere. The tree-lined walkways, interconnected academic blocks, residential pathways, and recreational lawns form a natural pedestrian grid that promotes safe and pleasant walking throughout the day.

The landscaped environment—supported by sustainable irrigation through treated water—helps maintain a cooler microclimate, making walking not just feasible but enjoyable even during warmer months. This environmental comfort directly supports pedestrian priority by reducing reliance on motorized movement within campus boundaries.

Restriction of Private Vehicles: A Strong Sustainability Measure

As per TMU's Green Campus Initiatives, the University has implemented a Restricted Entry of Automobiles policy. Under this system:





- Only permitted vehicles receive Green Pass or Yellow Pass access.
- Internal vehicular circulation is significantly curtailed.
- Priority is given to students and staff walking across academic and residential zones.

By regulating vehicular movement, TMU has created a semi-car-free internal environment that enhances pedestrian safety, reduces noise, minimizes emissions, and encourages walking as the preferred mode of movement within campus.

This policy aligns seamlessly with SDG 11.4.5, which emphasizes minimizing motorized impact in community spaces and promoting pedestrian-first zones.

Pedestrian-Friendly Connectivity Across Campus

The University's infrastructure is organized so that hostels, academic buildings, libraries, sports complexes, and cafeterias are all located within walking distance. Students and employees can traverse the campus on foot without the need for vehicular support.

Features visible across the university include:

- Wide interlocking-tile pathways suitable for heavy footfall
- Safe crossings and internal pedestrian routes
- Traffic-free central academic zones

These design elements ensure that the internal campus remains predominantly pedestrian-operated, reducing potential accidents and enhancing overall safety.

Clean Mobility Options Supporting Pedestrians

TMU supports pedestrian environments by offering battery-operated vehicles (e-carts, golf carts) for those who need them, including elderly visitors, patients visiting hospital facilities, and staff with mobility needs. This ensures:

- Pedestrian zones remain undisturbed by high-emission vehicles
- Walkability is maintained without excluding those requiring assistance

The availability of clean mobility alternatives complements pedestrian prioritization while aligning with the University's sustainability ethos.

Integration with Student Lifestyle and Well-being

Walking plays an integral role in daily campus life—students walk between classes, to hostels, to labs, and to sports or recreational facilities. The presence of healthy, open spaces, yoga lawns, and sporting grounds further encourages students to be active and mobile.





TMU's design intentionally supports:

- Reduced sedentary behaviour
- Easy access to amenities
- A culture of physical well-being linked to walking

Reduced Carbon Footprint Through Walkable Campus Design

By limiting vehicles, encouraging walking, and promoting clean internal mobility, TMU's campus contributes to:

- Reduced greenhouse-gas emissions
- Lower levels of air and noise pollution
- Improved environmental quality for residents and visitors

Metric 11.4.7: Local Authority Collaboration Regarding Planning and Development

Partnership between universities and local authorities is essential for sustainable community development, regional planning, and public welfare. Teerthanker Mahaveer University (TMU) demonstrates a consistent pattern of collaboration with district administration, government agencies, and public institutions in ways that indirectly support planning, development, and community accessibility. While the University does not list formal partnerships in urban planning or affordable-housing schemes on its website, several ongoing engagements highlight its active role in supporting government-led developmental efforts across Moradabad and nearby regions.

Supporting Local Development Through Government-Linked Health and Welfare Initiatives

TMU frequently partners with the district health authorities and government-recognized organisations for conducting health camps, awareness drives, vaccination programmes, and community-based outreach. These collaborations, visible across multiple university news and departmental pages, strengthen local public-health infrastructure and contribute to district-level developmental priorities. By supporting preventive healthcare, maternal and child welfare initiatives, rural health outreach, and disease-awareness campaigns, TMU complements local government planning efforts aimed at building healthier, more resilient communities—an important element of sustainable urban and rural development.

Collaboration With NGOs and Government Bodies for Community Services

The University actively collaborates with government-registered NGOs, social-development bodies, and welfare organisations to implement programmes in education, health, gender equality, community welfare, and social inclusion. These engagements—documented in TMU's news updates and departmental outreach reports—support grassroots development that aligns with district-level planning priorities. Such partnerships help expand the reach of public services,





strengthen community infrastructure, and support the government's aim of inclusive development, particularly for underserved populations.

Campus Planning and Development Aligned With Local Regulatory Norms

As one of the region's largest private universities, TMU adheres to municipal regulations, environmental guidelines, building codes, and development-control norms in constructing and maintaining its extensive campus. Features such as:

- sustainable landscaping,
- water recycling practices,
- restricted vehicular movement,
- waste-management systems, and
- green campus initiatives, contribute to the local authority's environmental-planning objectives by reducing pollution, conserving resources, and promoting sustainable land use.

TMU's infrastructure, designed with large green belts, pedestrian pathways, and carefully planned academic zones, complements the broader goal of creating well-organized, environmentally responsible community spaces in the region.

Facilitating Access and Connectivity for Local Residents

The University's location alongside NH-9 and its open, well-connected campus layout ensure accessibility for nearby residents, students, and visitors. TMU's extensive transport network—with buses connecting Moradabad and nearby towns—enhances regional mobility and supports local commuting patterns. Though not a formal affordable-housing initiative, TMU contributes indirectly to accessibility by:

- offering large-scale, affordable student housing,
- providing faculty accommodation,
- and creating employment opportunities that reduce the need for long-distance travel.

These facilities support local planning priorities by reducing traffic load, cutting transport emissions, and enabling residents and employees to live closer to educational and employment hubs.

Participation in Local Development Through Educational Programmes

TMU's academic departments frequently conduct programmes in alignment with government priorities—such as environmental awareness, waste-management education, preventive health training, and community skill development. These academically driven outreach activities support district-level planning goals related to sustainability, capacity building, and human-resource development.





Metric 11.4.8: Planning Development – New Build Standards at TMU

Teerthanker Mahaveer University (TMU) demonstrates a clear commitment to sustainability in its campus development practices through green building features, resource-efficient infrastructure, landscaped ecological planning, and low-impact mobility systems. Although TMU’s website does not explicitly label its buildings as “green-certified,” the institution consistently incorporates sustainability-driven practices in its new constructions and campus-wide infrastructure, aligning naturally with SDG 11.4.8.

Sustainable Water Management Integrated into Infrastructure Development

One of TMU’s strongest sustainability features is its advanced water recycling system, highlighted on the official website. Treated wastewater from the Sewage Treatment Plant (STP) is reused for landscaping, horticulture, and related non-potable functions. This has a direct impact on new-build sustainability standards, as:

- irrigation systems are designed to function on recycled water,
- water pipelines and sprinkler networks are integrated into construction layouts,
- landscape planning is supported through a closed-loop system.

This eco-conscious design ensures that newly developed structures and green spaces reduce dependence on fresh-water resources, fulfilling a core sustainability criterion in modern campus construction.

Integration of Green Campus Principles into New Construction

TMU’s Green Campus Initiatives, presented on the website, demonstrate how new buildings are designed in harmony with environmental priorities. New construction is surrounded by:

- tree plantation belts,
- landscaped lawns,
- pedestrian walkways,
- controlled vehicular access zones.

This ensures that campus development reduces heat-island effects, improves air quality, and maintains a visually green and environmentally balanced environment. Integration of such natural buffers reflects a sustainability-guided development philosophy.

Energy-Conscious Campus Buildings and Infrastructure

While TMU does not list solar rooftops across all buildings, the campus uses solar-based systems for hot water in hostels and residential blocks. This sustainable feature reduces electricity consumption and ensures that new hostel infrastructure is developed with provision for solar integration.

Additionally:





- 24×7 electricity backup,
- energy-efficient lighting,
- and building layouts designed to maximize daylight and ventilation

are part of TMU's contemporary construction approach. These features, reflected throughout the campus, reduce energy load and operational carbon footprint of new structures.

Non-Motorised and Low-Emission Mobility Built Into Campus Planning

A defining sustainability feature in TMU's campus development is its built-in system for restricting automobiles in several internal zones. The University regulates vehicle entry with a "Green Pass / Yellow Pass" system and encourages walking and electric mobility.

New construction zones are developed with:

- wide pedestrian pathways,
- interlocking eco-brick walking surfaces,
- e-rickshaw and battery cart access points,
- roadway designs that avoid heavy internal traffic.

By structurally prioritizing walking, cycling, and electric carts, TMU ensures that mobility-related emissions in newly developed areas remain minimal. This reflects a modern sustainable development approach consistent with SDG urban planning guidelines.

Environmentally Responsible Landscaping and Campus Ecology

TMU's new buildings are integrated with environmentally conscious landscaping, as highlighted on its website. Campus development incorporates:

- large green lawns,
- shaded seating areas,
- outdoor recreational spaces,
- eco-friendly irrigation using recycled water,
- and tree-planting drives aligned with new structural expansions.

This mixture of built and natural environment supports biodiversity, improves thermal comfort, and contributes to the ecological sustainability of every new development.

Safe, Inclusive and Accessible Infrastructure

TMU's planning and development also prioritize accessibility and safety, as visible in the layout of hostels, academic blocks, sports complexes, hospital buildings, and pedestrian corridors. Sustainable planning is not limited to environmental factors but also includes:

- safe pedestrian movement,
- proximity between residential and academic units,





- barrier-free access,
- and integrated green public spaces.

Such designs foster sustainable living conditions, reduce commuting demand, and contribute to the long-term usability of campus buildings.

Metric 11.4.9: Building on Brownfield Sites

Teerthanker Mahaveer University does not explicitly state that its buildings are constructed on brownfield lands, the University demonstrates several sustainability-aligned land-use practices that reflect the underlying principles of SDG 11.4.9. These include responsible campus expansion, ecological restoration through landscaping, waste-to-resource systems, and environmentally conscious development.

Sustainable Land Development Embedded in Campus Planning

TMU's campus development philosophy prioritizes environmental restoration, green landscaping, and responsible land utilization. The University's *Green Campus Initiatives* detail multiple ecological improvements across campus, such as tree plantation drives, lawn development, interlocking pedestrian pathways, and sustainable water-reuse systems. Although not termed "brownfield remediation," these actions resemble the restorative nature of brownfield principles by ensuring that every developed space is environmentally rehabilitated and ecologically functional.

The campus spans over 130 acres, and every expansion project integrates landscape greening, pollution-reduction features, and pedestrian-friendly mobility. This demonstrates a deliberate choice to maintain ecological balance rather than engage in unchecked land conversion.

Ecological Restoration Through Green Belts and Landscaping

One of the most visible sustainability practices on the TMU website is its commitment to creating green belts and landscaped zones around newly developed buildings. These efforts serve functions similar to restoring disturbed land or improving the ecological value of developed spaces.

TMU's green belts:

- mitigate soil degradation,
- improve groundwater recharge,
- reduce heat-island effects,
- and enhance overall environmental quality.

By transforming previously unused or open plots into functional green spaces, TMU embodies the restorative ethos of brownfield-aligned development.





Waste-to-Resource Systems Supporting Sustainable Development

TMU operates an **advanced water recycling and reuse system**, allowing treated wastewater to be repurposed for landscaping and horticulture. This system demonstrates responsible environmental engineering and resource-efficient land management.

This approach ensures that new developments rely on **treated, recycled water**, reducing pressure on freshwater ecosystems and enabling sustainable long-term maintenance of green areas.

Such systems create environmentally resilient infrastructure that reduces the ecological footprint of future construction—one of the core intentions behind brownfield-site utilization.

Reduced Environmental Footprint Through Integrated Campus Planning

TMU's land-use planning focuses on sustainability through:

- **Restricted vehicle entry**, reducing carbon emissions across built areas
- **Pedestrian-first internal zones** that avoid continuous soil sealing and heavy roadway construction
- **Battery-operated vehicles** that ensure low-impact mobility
- **Open, ventilated architectural layouts** that minimize energy consumption

Although these do not confirm brownfield construction, they demonstrate that TMU's built spaces evolve with a sustainable mindset—limiting the long-term environmental burden on the land.

Rejuvenation of Unused Areas into Functional Community Spaces

Across campus visuals and descriptions on the website, TMU showcases several courtyards, green lawns, sports grounds, and outdoor activity zones. These areas reflect **adaptive reuse of open land**, transforming previously unused or uneven terrain into accessible public and recreational spaces.

This rehabilitation of unused land mirrors brownfield principles by enhancing utility and ecological function in areas that might otherwise remain underutilized.

Alignment With SDG Principles Through Sustainable Campus Growth

Even in the absence of explicit statements about brownfield construction, TMU's campus characteristics align strongly with SDG 11.4.9 principles:

- Responsible site selection for buildings
- Integration of green infrastructure
- Focus on rehabilitation and continuous improvement
- Development that minimizes ecological disruption





Each new building is complemented with green lawns, tree coverage, and permeable surface designs, which collectively reduce environmental stress, support biodiversity, and enhance natural landscapes.

Conclusion

Teerthanker Mahaveer University's commitment to SDG-11 is reflected through a holistic, multi-dimensional approach that integrates sustainable infrastructure, environmental stewardship, cultural preservation, and community-centered development. Across all aspects of campus planning and societal engagement, TMU demonstrates how an academic institution can function as a microcosm of a sustainable, inclusive, and resilient urban ecosystem.

Through extensive green landscaping, tree plantations, water-efficient irrigation systems, and responsible land-use planning, TMU maintains an environmentally restorative campus that aligns with global principles of sustainable urban development. Its emphasis on pedestrian-friendly pathways, restricted vehicular movement, battery-operated shuttles, and cycling zones encourages low-carbon mobility options, reducing pollution and promoting healthy lifestyles among students and staff. The university's investments in modern, energy-efficient infrastructure—including smart classrooms, ventilated buildings, and sustainable construction practices—underscore its dedication to resource-conscious growth.

TMU also contributes significantly to the cultural and intellectual vibrancy of the region. By offering public access to its museums, exhibition spaces, libraries, and galleries, the university fosters community learning, heritage preservation, and artistic expression. Its cultural programs, academic exhibitions, and student-led performances reinforce the value of local heritage and ensure that cultural continuity remains central to sustainable urban living.

Furthermore, TMU's accessible green spaces—open gardens, sports grounds, landscaped courtyards, and recreational zones—serve as shared public assets that enhance well-being, encourage community interaction, and strengthen the link between people and their environment. These spaces promote inclusivity and reflect the university's belief that sustainability extends beyond infrastructure to the quality of life experienced by all campus users.

By integrating environmental responsibility, inclusive mobility, cultural preservation, and community outreach, TMU successfully embodies the vision of SDG-11. The university continues to evolve as a sustainable, people-centered educational hub that not only supports its immediate community but also serves as a model for building greener, safer, and more resilient societies.





TEERTHANKER MAHAVEER UNIVERSITY

Moradabad

Accredited with NAAC **A** Grade

12-B Status from UGC

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