



UNIVERSITY

GWALIOR • MP • INDIA

“CELEBRATING DREAMS”

# POLICY ON MANAGEMENT OF DEGRADABLE AND NON-DEGRADABLE WASTE IN ITM UNIVERSITY



## **Message from Vice Chancellor**

### **Dear Faculty, Staff, and Students,**

Our dedication to sustainability and campus health is reflected in our comprehensive waste management policy, which addresses solid waste, liquid waste, biomedical waste, e-waste, waste recycling, and hazardous chemicals and radioactive waste. For solid waste, we emphasize reducing, reusing, and recycling to minimize landfill contributions, with proper segregation at the source being essential. Our advanced treatment plants ensure that all liquid waste is treated safely before discharge, protecting our water resources. We follow strict protocols for the safe handling and disposal of biomedical waste to prevent health hazards. E-waste is responsibly managed through partnerships with certified recyclers to prevent environmental contamination. Additionally, our recycling stations are strategically placed to encourage active participation in reducing our carbon footprint. For hazardous chemicals and radioactive waste, we adhere to stringent safety protocols to ensure secure management and disposal, protecting both the community and the environment.

Your active participation in these initiatives is vital. By embracing sustainable practices and adhering to our waste management protocols, we can collectively foster a cleaner, greener, and healthier campus. Thank you for your commitment to sustainability.

### **Vice Chancellor**

ITM University Gwalior

## ABOUT UNIVERSITY

ITM University, Gwalior, located in the historical city of Gwalior in the state of Madhya Pradesh, India, stands as a beacon of higher education excellence in the region. Established in 2011, ITM University has swiftly emerged as a premier institution known for its commitment to academic excellence, innovation, and holistic development.

At ITM University, we offer a diverse range of undergraduate, postgraduate, and doctoral programs across various disciplines, including engineering, management, science, humanities, and Nursing. Our comprehensive curriculum is designed to foster intellectual curiosity, critical thinking, and practical skills necessary for success in today's dynamic global landscape.

With state-of-the-art infrastructure, world-class facilities, and a vibrant campus life, ITM University provides students with an enriching learning environment that nurtures creativity, innovation, and leadership. Our distinguished faculty comprises accomplished scholars, researchers, and industry experts who are dedicated to providing quality education and mentorship to our students.

Committed to fostering holistic development, ITM University encourages students to actively participate in extracurricular activities, sports, cultural events, and community service initiatives. Through these experiences, students develop essential life skills, leadership qualities, and a sense of social responsibility.

## VISION

To be a leading Global Multidisciplinary University that will have transformative impact on society through excellence in teaching, research, creativity, outreach and entrepreneurship and remain firm in pursuit of students' dreams aligned with the motto of ITM University Gwalior 'Celebrating Dreams'

## MISSION

1. To develop a transformative learning experience for students focused on in-depth disciplinary learning; problem solving; leadership, communication, and interpersonal skills focussed on developing socially and ethically correct citizens.
2. To develop conducive environment encouraging (a) free exchange of ideas, where research, creativity, innovation, and entrepreneurship can flourish (b) attracting and retaining best talent.
3. To impact society through regional, national, and global collaborations by engaging with partners outside the university campus.
4. To develop multidisciplinary culture through collaborative multidisciplinary projects.

## VALUES

### Transparency:

Reflected in all the operations of the University for students from admission to placements and for employees from recruitment to separation.

### **Shared Governance:**

Reflected in the governing structure of the University and the autonomy provided to the officials at all levels.

### **Inclusivity and diversity:**

Reflected in the University's culture and climate that seeks, welcomes and advances talented minds from diverse backgrounds as employees and students.

### **Sustainable Development:**

Reflected in our shared commitment to lead by example in preserving and protecting our natural resources (green lush campus, bio-fertiliser and bio-gas plants and use of solar energy), and in our approach to responsible financial planning.

### **Academic freedom:**

Reflected in our process used to finalise the curriculum and syllabus and freedom given to the teachers in using pedagogical tools.

### **Empathy and compassion:**

Reflected in the care taken during Covid; concessions provided to the employees and their families by the ITM Hospital; concessions in education of employees and their wards.

### **Integrity:**

Reflected in our adherence to the highest ethical standards in personal and professional behaviour, and in our commitment to transparency and accountability in governance and everything we do.

## **About degradable and non-degradable waste Policy**

The university is committed to provide a safe and healthy work environment for teaching and non-teaching employees, students, and visitors. The university own its duty to ensure that all campus waste are disposed responsibly. Mechanistically, proper segregation mechanism are in place in the campus like segregation, recycling, and composting. Sensitization for "throwing in dustbin and not anywhere" is promoted among students, staff and faculty members have been promoted. The purpose of the policy is to facilitate implementation of the action plan brought out in "National Environment Policy 2006"

on management aspects of hazardous waste including their minimization, environmentally sound management and active promotion of transfer and use of cleaner technologies.

## **Components**

Pollution from waste is aesthetically unpleasant and results in a large amount of litter. Solid Wastes, which may cause severe health problems, can be categorized into two types, Biodegradable and Non-Biodegradable waste.

## Biodegradable Waste

Bio-degradable waste to include any waste that any organic waste that can be degraded by microorganisms. Biodegradable waste includes food waste, canteen waste and waste from toilets etc. Additionally, to reduce paper waste (biodegradable) the university promotes digital platform for sharing information and data and also reuses the paper for single side all the exam papers are also properly disposed through the external agency. At Departmental levels bio-degradable and non-biodegradable wastes are collected in different dustbins. The university disposes the waste generated in campus at designated dustbin in an around campus through composting , incineration etc.

The Bio-degradable waste will be managed by the external agency in the following proper way:

- Segregation
- Collection and Transportation
- Treatment
- Disposal

## Non-Biodegradable Waste

Non-Biodegradable waste includes non-paper waste namely plastic, tin, glass, bottle etc. The institutional The non-biodegradable waste are collected separately at departmental levels. Among non-biodegradable waste a major rising concern is e-waste generation in campus. The university being a bulk consumer of electrical and electronic equipment has to ensure that the e-waste generated by ITMU is channelized through collection centre or dealer of authorized producer or dismantler or recycler or through the designated take back service provider of the producer to authorized dismantler or recycler. The University shall have to maintain records of e-waste generated and make such records available for scrutiny by the concerned Board. Implementation of E-Waste Management System is an effort towards reducing our environmental impact and also our target for proper and effective disposal of e-waste generated by the university.

The policy to reduce e-waste management is built on the following commitment:

- Shall reduce our environmental impact.
- Proper and effective disposal of e-waste.
- Fulfilling the responsibilities of being bulk consumer.
- The reusable part of condemned items can be reused to repair the faulty part of new and can be used for assembly purpose

## 1. SOLID WASTE MANAGEMENT:

The Solid Waste generated from the various departments and institutes of ITM University mainly consists of Papers, Packaging (Plastic) material, cardboard, and waste food. The other major source of solid waste is garden waste such as dried leaves and green cuttings. ITM University has developed a practice of segregating waste at its generation and has provided a two-bin system (i.e. Dry Waste and Wet Waste) in all buildings. The waste dry

waste is then taken to the Incinerator for burning under controlled conditions. Thus the dry waste is managed by controlled burning. A place is earmarked in the campus wherein garden waste is dumped in large pits and naturally composted in the due course of time is used as manure to maintain the lush greenery and in agricultural lands



Compost Pits

## 2. LIQUID WASTE MANAGEMENT

ITM University has installed a 550 KLD capacity Integrated Wetland System for the treatment of Sewage. The quality of treated effluent is well within stipulated limits by the pollution control board. There are total 35 Soak Pits/ Septic Tanks were installed underground for the final disposal and management of sewage generated from the respective buildings



Septic tanks at various places in campus

### 3. BIOMEDICAL WASTE MANAGEMENT

The university prioritizes proper biomedical waste management to ensure the safety and health of its community. Through stringent protocols and dedicated facilities, biomedical waste is segregated, collected, and disposed of according to regulatory guidelines. Education and training programs empower staff and students to handle biomedical waste responsibly, minimizing environmental and health risks. The university's proactive approach underscores its commitment to fostering a safe and healthy campus environment. Further sent to incineration for further management which is been outsourced.



Biomedical waste collection area



External Bio-Medical Waste Carrier van

## 4. E WASTE MANAGEMENT

The university implements robust e-waste management practices to responsibly handle electronic waste. Through awareness campaigns and designated collection points, students and staff are educated and encouraged to properly dispose of their old electronic devices. Partnering with certified recyclers ensures that e-waste is recycled or disposed of in an environmentally friendly manner, aligning with the university's commitment to sustainability and environmental stewardship.



E Waste collection area sent for recycling



## 5. WASTE RECYCLING SYSTEM

Reduction and reuse of resources is a unique tradition of ITM University. Paper being a major waste material, emphasis is given to recycling it. All papers generated through project submissions are reused for another side.

The manure is created out of the flowers, nonedible fruits buds, and leaves by using a natural process in campus. The used bottles, waste iron, and bus tyres are recycled in many ways and are made into decorative items, feeding for birds, etc.



Photos of Unused tyres and made sofa, chairs

## REVIEW AND REVISION

This policy will be reviewed periodically to ensure its effectiveness, relevance, and alignment with legal requirements. The University will engage relevant stakeholders, including student and employee representative bodies, in the review process. Necessary revisions will be made to address emerging issues, changes in legal requirements, or feedback from the ITM University community