



SJM VIDYAPEETHA®

# S J M INSTITUTE OF TECHNOLOGY

(Recognized by AICTE, New Delhi and Affiliated to Visvesvaraya Technological University, Belagavi)  
NH-4 Bypass, P.B. No:73, CHITRADURGA -577502, Karnataka State



## Policy Document on the Green Campus/ Plastic free campus



S.J.M Institute of Technology (SJMIT) was established in the academic year 1980-81 with the blessings of Sri Sri Sri Mallikarjuna Murugharajendra Mahaswamiji, the then President of SJM Vidyapeetha, located just adjacent to the Pune-Bangalore National Highway-4, the institute is well connected with road and railway network and just 200 kms drive from Bangalore. The eco-friendly campus filled with flora-n-fauna sprawled with lush green garden spread over vast 22 acres of land makes an ideal platform for higher education center with homely atmosphere.

The institute is blended with experienced, highly qualified and dedicated faculties in all the disciplines of engineering. The institute is strengthened with well-equipped laboratories and basic amenities supporting academic and students need.

In addition to these various facilities on board, the campus includes independent hostels for boys and girls, indoor and outdoor sports, sophisticated gymnasium, student activities center, cricket stadium, reading room, cafeteria, juice parlor, and several other amenities catering the needs of the students.

Digital library with huge stack of collection of books including National and International journals cater the academic, research and development needs of the students and faculty. Central computer center enriches the students to browse several reading and research materials round the clock. The clean, green, healthy, secured, disciplined and homely campus provides platform for student's career development along with homely and friendly atmosphere to acquire his/her higher education.

The green campus concept offers an institution an opportunity to take the lead in redefining its environmental culture and protect the ecosystem. The Green Campus and Environment Policy will develop exciting new co-curricular and extracurricular practices that encourage students and staff to take the lead in creating positive change. S J M Institute of Technology, Chitradurga is conscious about environment conservation with its green campus initiatives and maintains pollution free and clean campus.

Main focus areas for Green Campus Policy are:

1. Landscaping Initiatives with trees and plants
2. Installed Roof top solar system
3. Grid connected Solar System
4. Installation of Energy efficient equipment
5. Water Conservation through Rain Water Harvesting System
6. Waste Management Processes
  - 6.1.1 Solid waste management
  - 6.1.2 Liquid waste management
  - 6.1.3 E-waste management
7. Environment Centric Awareness Activities
8. Green Audit
9. Energy Audit
10. Plastic free campus

## Objectives of the Policy:

- To protect and conserve ecological systems and resources within the campus.
- To ensure efficient use of environmental sources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programs for social development.
- To make the campus plastic free.
- To conduct Environmental and Energy audit.

- 1. Landscaping Initiatives with trees and plants** Sustainable infra structure is a vital part of the college campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus and landscape also help to recharge ground water, clean and cool air in campus. There are number of trees and shrubs on campus along with grass cover. Green cover of college is home for number of insects and bird species.
- 2. Installed Roof top solar system** S J M Institute of Technology has installed roof top solar panel on Non IT Building in the campus for the power generation. The power is utilized for the needs of institution power requirement helps in saving the environment by targeting the go green campaign
- 3. Grid connected Solar System** A system connected to the utility grid is known as a grid-connected energy system or a grid-connected solar system. Through this grid-tied connection, the system can capture solar energy, transform it into grids
- 4. Installation of Energy efficient equipment** Annual lighting power requirement met through LED bulbs is 108000(in KWH). Annual lighting power requirement 216000 (in KWH). Total Lighting requirement is 216000 KWH. 50 percent of lighting through LED bulbs are done in the campus and 50 percent lighting through other sources.
- 5. Water Conservation through Rain Water Harvesting System** The method of Rain Water Harvesting has been adopted in the college campus. The rainwater is collected from roof area of building is utilized for the water requirements in the campus. The RWH system has the arrangement for convey of the rain water collected from roof area through the pipes to the storage sump of capacity one lakh liters.

## **6. Waste Management Processes**

### **6.1.1 Solid waste management**

The collected waste is segregated as paper and plastic waste. After collecting the threshold quantity of kgs, is sell to scarp vendor. The wet solid waste is collected from the hostel is sell and used for cattle feeding. The garden waste collected used for preparation of Vermi composite and used for garden in our campus. The concrete waste is used for concrete by recycling aggregate for projects and civil construction works in the campus.

**6.1.2 Liquid waste management** The Institution follows the systematic procedure for proper management and disposal of liquid waste. Waste oil collected from engine lab and automobile is converted in to bio fuel. Disposal of waste water through public sewer.

**6.1.3 E-waste management** E-wastes are generated from computers, laboratories of all departments and Administrative Offices. The e-waste includes out of order equipment or obsolete items like lab instruments, circuits, desktops, laptops and accessories, scientific instruments etc. All such equipment's which cannot be reused or recycled is being disposed off through authorized vendors The condemned batteries and damaged computers are disposed through outside agencies.

**7.Environment Centric Awareness Activities/ Clean Campus Initiatives** Environment Centric Awareness Activities or Clean Campus Initiatives In accordance to Swachh Bharat Abhiyan, College has committed to actively coordinate cleanliness activities in the college and beyond the campus. A gardener and full time adequate supporting staff are appointed for the maintenance of litter free clean and Green Campus. These initiatives include:

- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives.
- Activities under 'Swachh Bharat Abhiyan' is a key component of all the community works being done by NSS
- Teaching faculties and staff members are encouraged to participate in the cleanliness drives.
- Commit to manage waste and maintain clean campus especially during college events.
- Conduct various Environment awareness days and tree plantation program

**8. Green Audit** Green Audit to assess strengths and weaknesses for long term sustainability. A green audit is a useful tool to determine how and where most energy or water resources are being used. The college can then consider how to implement changes and make savings. It can determine the type and volume of waste. Green auditing will promote financial savings through reduction in the use of resources. It is imperative that the college evaluate its own contributions toward a sustainable future.

**9. Energy Audit** Energy Audit is carried out to reduce carbon foot print. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

**10. Plastic free campus** In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the college administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'



PRINCIPAL  
SJMIT, Chitradurga