

Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded

7.1.7 Green Practices: Additional Information

It is our strong belief that a green campus is a cleaner, safer, healthier and conducive place to live, work, learn and innovate. Hence, it is our endeavor to make conspicuous efforts and develop an ecofriendly campus and employ energy and water saving tools and techniques. Special efforts are put in place for maintaining campus neat, clean and green so that it becomes an example for dissemination the concept of 'Clean India Healthy India' to nearby fraternity.

Master plan for campus infrastructure development

Professionally prepared master plan with optimal space allocations to various departments, hostels, open spaces, circulation spaces, sports arena, lawns and tree plantations. Building planning principles and bye laws for land development are adhered to. Consultants and specialists oversee preparation, execution and maintenance of campus facilities. Buildings are spacious and attempt is made to provide natural ventilation and day time illumination lighting for all buildings in the campus. Entire construction of the Institute is well ventilated and illuminated by sunlight during daytime. The different department buildings are spread over an area of 46 acres. The vertical and horizontal growth of the campus is balanced optimally. Campus circulation area consists well connected cement and tar roads. There is a provision of pedestrian path in the campus and the roads are also pedestrian friendly.

Encouragement to use of public transport, Carpooling and Bicycles

SGGSIE&T, Nanded is located 10 km from Nanded city. The institute admits annually around 900 students to UG, PG courses and Ph.D. programs. Being away from the city limits, the Institute has a fleet of eight buses which plies between the institute and city for the transport of students and staff as per the schedule. The students are also encouraged to avail the facility of public transport or college transport while faculty members are encouraged to adopt carpool to reduce the emissions. Buses are replaced immediately after due date of replacement as per laws. Many students and staff reside in Vishnupuri the nearby village. They use bicycle for coming to the institute.

Solid Waste Management

The institute implements the policy of paperless office and plastic free campus. Write off procedures are simplified so that old, inefficient and defective hardware, equipment, furniture etc. are written off and disposed of effectively thereby making campus spacious, decent and clean. The plastic garbage generated in the campus is collected at specific locations and given for further disposal without causing pollution of the environment. Faculty, students and staff are motivated to use paper bags and do away with use of plastic carry bags. Plastic waste in the form of written off computers, printers, xerox machines are offered to the suppliers through buyback procedure. This results into plastic free campus along with savings. The Institute prefers internal communication through internet. All the notices, office orders, are circulated through WhatsApp and e-mails. The daily attendance of Theory and practical classes is filled using Moodle software. Sticker are displayed to switch OFF the Lights, fans, computers, etc. when not in use. Beside this the tube lights are being replaced by LED. At present the college is having LED street lights. Plant waste and solid waste from hostels, canteen is used for mulching and composting.

The institute has a lush green campus consisting of many diverse types of trees and plants. The tree plantation is encouraged on numerous occasions every year and the plants are

nurtured properly. Most of the departments have frontages in the form of rows of trees and beautiful lawns in front of the building. on the occasion of Independence. The institute has human resource for gardening and three regular employees along with six contractual employee help maintain a green campus. The campus thus landscaped with trees and plants support for raising carbon neutrality.

Energy Saving

Institute keeps the track of use of energy and make efforts to minimize the use of energy. Directives are issued and implemented for phasing out defective, high energy consuming equipment, lighting arrangements, bulbs, tubes, halogens etc. and replace them by energy star appliances.

Water Saving, Waste water treatment and Reuse of waste water

Institute supplies treated water to buildings and hostels with RO installed at various places. Campus water users are encouraged to less water. Concepts such as Water flow restrictors, low water flow toilets, sensor based automated urinal flushers are implemented. All the greenery in the campus is supplied with partially treated waste water. Use of sprinkler and drip systems is made effectively.

Institute make necessary efforts on the lines of 'Clean India' Initiative of Govt. of India and also involve actively students, faculty and staff to act volunteers for this cause not only for institute but also for society around.



Director
Director

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