

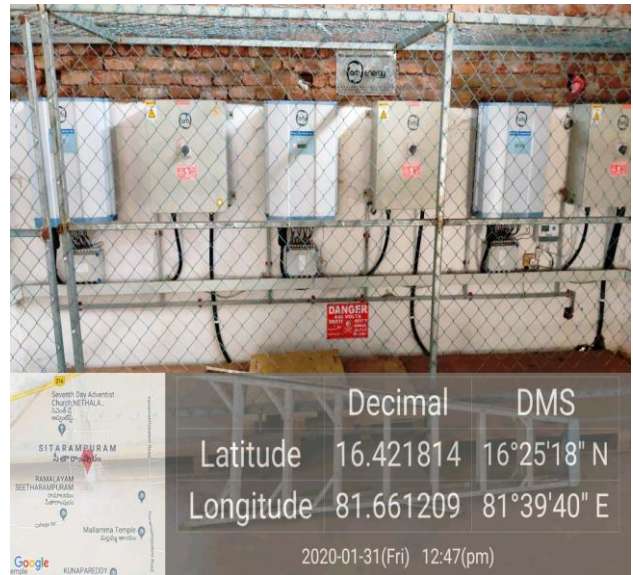
Sustainability & Green initiatives

SOLAR ENERGY

- ❖ Solar power is one of the solutions to overcome the energy deficit in the world. The generation of solar power do not has any adverse effect on the environment.
- ❖ Ministry of new and renewable energy (MNRE) Government of India is developing solar/green cities all over India under the green initiatives.
- ❖ Our institution has taken initiative in promoting green energy concepts in its campus. In its pursuit to become energy efficient, formally commissioned a 100 KW solar photo voltaic plant.
- ❖ The plant consists of a total 300 PV modules of each of 250WP installed at rooftop of main block of our institution. The entire project is executed by Department of EEE.
- ❖ This plant will generate more than 315050 units every year and this equal to 57.4% of annul power requirement of our institution. The plant provides substantial cost savings on the power consumption for the college.



WHEELING TO THE GRID



STREET LIGHTS USING INDIVIDUAL SOLAR PANNELS



USE OF LED BULBS & POWER EFFICIENT EQUIPMENT





The institution is very conscious of generating less waste and recycling it by passing it through a system that enables the used material to be reused ensuring that less natural resources are consumed.

Solid waste management:

The Institution is actively involved in the CLEAN-AND-GREEN campaign of national fame, a subject in which it had already taken keen interest from the year of inception in 2001. The trees that line several avenues on the campus are 16-17 years old and maintained with great care. The waste is generated by all sorts of routine activities carried out in the institution that includes paper, plastics, glass, metals, food waste etc. The waste is segregated at each level at the source itself. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The floor safai workers in each floor collect and segregate the waste in dustbins provided on each floor. The floor dustbins are emptied into movable containers/dustbins provided for each block and are taken to the dumping yard within the institution. The vendor collects the waste from the dumpsite of the institution, segregates them, and disposes of them at the landfill site authorized by the municipality.

Segregated food waste, vegetable peels etc are collected from the canteens on the campus and is composted. Similarly, the garden waste, dry leaves are also composted. Recyclable wastes like pet bottles, cartons and stationery are collected which is periodically sold to vendors for recycling. There is no particular biomedical waste generated within the campus hence no biomedical waste management. No radioactive materials are generated by the institution.





Hazardous Lab Waste (E-Waste):

All electrical waste such as tube lights, bulbs, old switches, and wires are stored separately in a shed. The housekeeping team has been trained in handling all categories of waste. An effective system of segregation, collection, storage, and disposal of waste has been practiced in the institution. The Institution has also taken the following steps to reduce the generation of waste. Steel plates are used instead of paper and plastic plates, steel spoons replace the plastic spoons in the canteen, steel tumblers in place of paper cups. Awareness programmes about waste management are conducted on the campus for students, faculty and housekeeping staff to promote environmentally friendly practices as part of “Swachh Campus” inspired by “Swachh Bharat”.

Flip flops, memory chips, motherboard, compact discs, cartridges etc generated by computers, radio, TV, phones, printers, fax and photocopy machines are recycled properly. The e-waste generated from hardware which cannot be reused or recycled is being disposed of centrally to vendors. In some cases, the used computers generously donated to nearby primary schools.

E-waste segregation room





Liquid waste management:

Liquid waste generated in the campus is of two types:

1. Sewage waste
2. Laboratory, bathroom/washroom, and cafeteria effluent waste

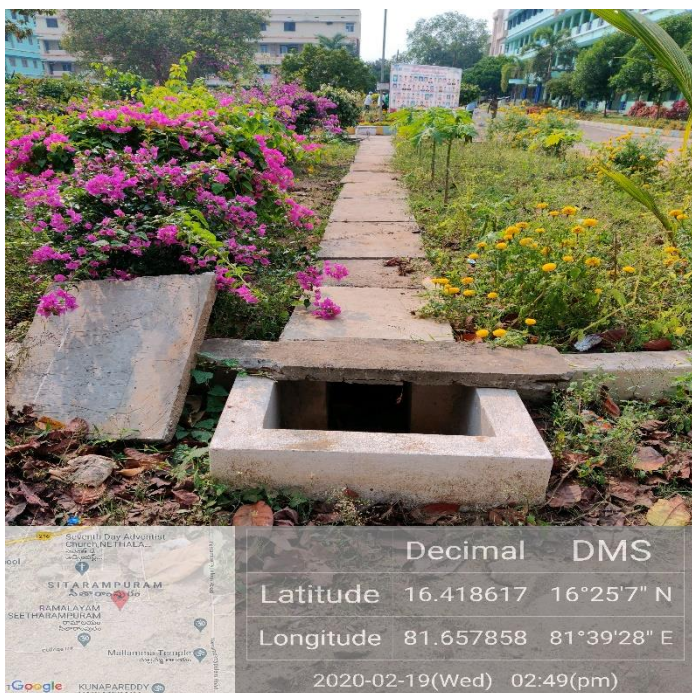
The water is used for horticulture and gardening. The proper drainage system is arranged for all the buildings of the campus. The chemicals from laboratories are well neutralized before sending into drains.

Rain water Harvesting

During rainy season, there is abundant water available and the tanks store that water which is then used for gardens, lawns and other trees. During other seasons recycling of water is done. Water from wash basins /bathrooms of hostel rooms is used for gardens, landscaping and vegetation keeping the campus green at all times of the year.

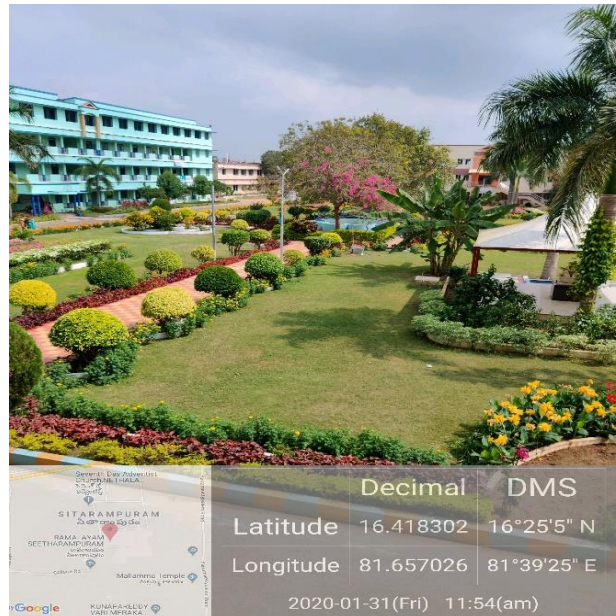
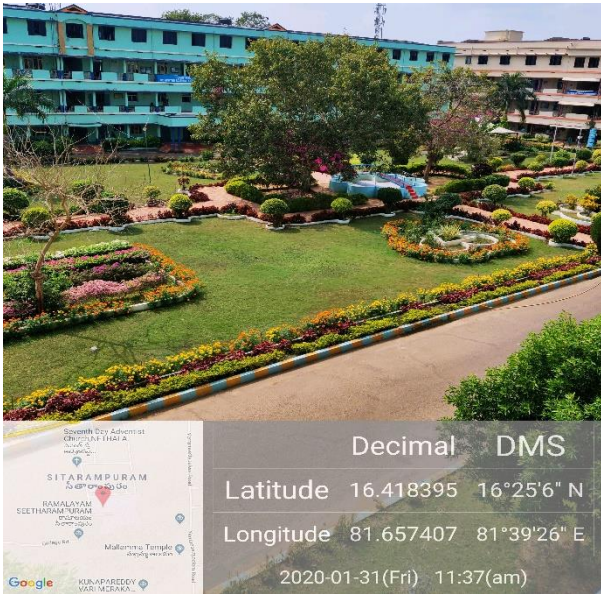
Rain water utilization in the campus



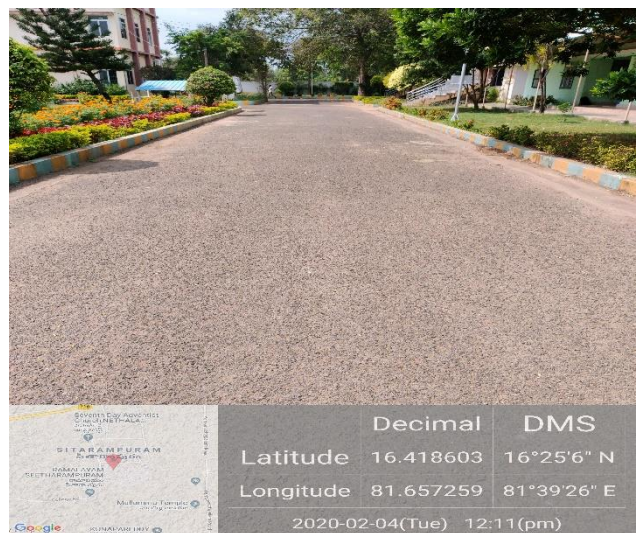


Green Practices

- Students encouraged to enroll in Bicycle club and use the cycles for commuting within the campus
- Separate parking facility is available near the entrance and students vehicles are not allowed inside the campus
- Battery operated car is used for movement within the campus.
- All the vehicles mandatorily have Emission Test Certificate.
- Smoking is strictly prohibited inside the campus.
- Plastic-free Campus.
- Paperless communication (e-mail / WhatsApp communication) is a regular practice.
- Usage of one-sided paper is encouraged.
- Metal and other scraps are given to agents for further processing.
- Separate Dustbins for recyclable and non-recyclable wastes are available in common places.
- Our institution cattle farm caters manure for our garden.
- Used batteries and electronics wastes are disposed of through outside agencies.
- Various awareness programs like tree plantation, energy conservation etc are regularly organized.
- Environmental Science is also a mandated course for all the students.



Pedestrian Roads



Bicycles

