SREC - AUTONOMOUS
NANDYAL
ESTD - 2007
EDUCATION FOR PEACE & PROGRESS

SANTHIRAM
ENGINEERING COLLEGE (AUTONOMOUS)
NANDYAL



ENVIRONMENT AND ENERGY USAGE POLICY

A GREENER CAMPUS, A BRIGHTER FUTURE

OUR COMMITMENT

SUSTAINABLE CAMPUS
Promoting eco-friendly practices for a sustainable and healthy environment.

ENERGY EFFICIENCY
Optimizing energy use and adopting energy-efficient technologies.

RENEWABLE ENERGY
Encouraging the use of renewable energy sources for a cleaner tomorrow.

REDUCE & CONSERVE
Reducing waste and conserving resources through responsible consumption.

GREEN INITIATIVES
Implementing green programs and initiatives across the campus.

TOGETHER FOR CHANGE
Building awareness and engaging the community for a greener future.

SAVE ENERGY. SAVE ENVIRONMENT.
TOGETHER, WE CAN MAKE A DIFFERENCE.

SANTHIRAM ENGINEERING COLLEGE:: NANDYAL
(AUTONOMOUS)
Approved by AICTE : New Delhi, 2(f) & 12(B) recognition by UGC Act, 1956
Accredited by NAAC (Grade-A), Accredited by NBA (ECE & CSE)
ISO 9001:2015 Certified Institution,
Permanently Affiliated to JNT University, Ananthapuramu.
NH-40, Nandyal Dist– 518501, A. P.

Environment and Energy Usage Policy

Santhiram Engineering College believes that being eco-friendly is not only a responsibility of the industry and corporate but also education institutions. Eco-friendly environment is all about sweeping away wasteful inefficiencies and using conventional sources of energies for daily power needs and using correct disposal and handling of waste, purchase of environment friendly supplies and equipment for waste recycling, Use of power efficient appliances and equipment and use of natural resources like rain water.

Objectives:

1. To adopt green buildings.
2. To properly handle the wastage.
3. To recycle the waste.
4. To use renewable energy systems.
5. To use natural resources.
6. To use power efficient equipment/appliances.

Institute implements the following practices towards establishment and maintenance of Ecofriendly environment in the campus.

1. Green buildings

Institute strictly adheres to the AICTE norms for Land requirement and Building space for Technical Institution and ISO 14001 Environmental Management Systems while constructing the building. There by the natural sunlight and open-air ventilation is sufficiently provided in the buildings.

2. Waste Management System • Solid Waste management

- Blue and green colour dustbins are provided in the whole institute at respective places to collect the dry/wet solid waste. The cleaning staffs collect the waste from the bins on a regular basis at morning 10:00 to

11.00 AM and after 5:00 PM every day. The collected waste is segregated as degradable and non-degradable.

- Degradable waste management:
  - The degradable solid waste such as Dust, Plant leaves, Tree twigs sent for decomposition.
  - Vegetable remains and food wastage collected from canteen are feed to bio-gas plant.
  - Paper waste is sent for recycling process on a regular basis to recycling vendors.
- Non-degradable waste management:

  A non-degradable waste such as all forms of plastic products like water bottles, food wrappers, glass wear in chemistry laboratory, workshop metal scrap etc., are sent to external agencies for disposal or recycling.

Liquid waste management

- The Institutes plumbing department regularly monitors the working conditions of water tanks, water coolers, and leakages of taps in washrooms, hostel and canteen to minimize the liquid waste.
- The sewage generated from washrooms, hostel, and canteen, liquid waste generated from laboratories and water coolers is collected and send to Sewage Treatment Plant for recycling. The purified water is used for cleaning and flushing in toilets.
- The institution has a Reverse Osmosis (RO) plant with 500 litres /hour water purifying capacity from which 1500 litres/hour waste water is generated and it is stored in separate tank for reuse in gardens.

E-Waste management

An E-waste is originated from electronic/electrical devices, components and gadgets and becomes hazardous to ecosystem if not properly managed.

The following facilities/initiatives had implemented by the institute to manage the E-waste.

- The Institute has executed a MOU with **Green Waves Environmental Solutions, Vizag.,** for managing the E-waste. The electronic equipment that needs to be disposed is collected at a central store and periodically it is handed over to Green Waves Environmental Solutions for recycling.
- Electronic goods are put to optimum use. The minor repairs are set right by the Laboratory assistants and Teaching staff and the major repairs are handled by the Technical Assistant and are reused. And preventive measures to avoid premature damage of the equipment like uninterrupted power supply, cleanliness of the laboratories and monthly verification and validation of the equipment.
- Reusing the components like mouse, key boards, mother boards, RAMs etc., in Computer workshop laboratory to practically enable the students to assemble and disassemble the components in a computer.

3. Renewable energy sources

- Institute follows ISO 50001 Energy Management Systems to continuously reduce energy, energy cost and greenhouse emissions in the campus.
- The following facilities/initiatives had implemented by the institute for Energy Management.
  - Solar PV system of 250 KW capacity installed in the campus for street lights.
  - Solar water heater of 10000 litres capacity installed in the hostel for providing hot water for bathing.
  - Bio-gas plant of 2kg/day production capacity installed near the canteen in the campus.

4. Rain water harvesting

The following facilities/initiatives had implemented by the institute for rain water harvesting.

- Roof top rain water harvesting system with 1500 litres capacity established in main block of the institute. And the harvested water is used for gardening.

- Soak pits are constructed at bore well and other outlets of the roof top for ground water recharging.

5. Measures taken for energy usage

The following facilities/initiatives had implemented by the institute for rain water harvesting.

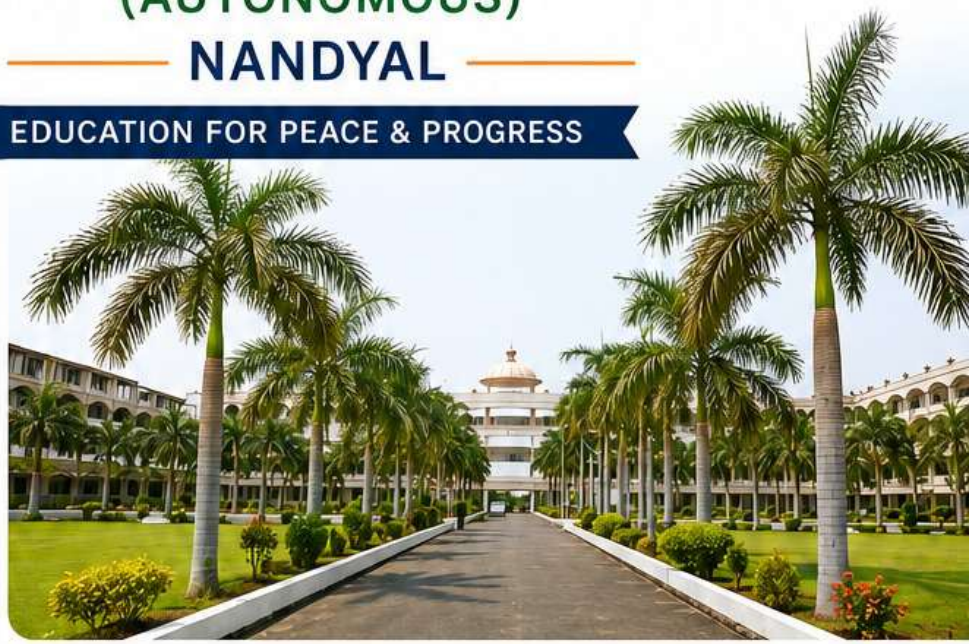
- Using LED bulbs in place of fluorescent bulbs in classrooms, laboratories and seminar halls.
- Replacing old appliances and equipment with power efficient ones like three-star appliances and equipment with five stars.
- Switching off lights and fans in classrooms, seminar halls and conference halls when they not in use. And signboards for notice.
- Activating power management features in all electronic equipment like computers and printers so that they enter into a low power mode when they are not in use.

SANTHIRAM ENGINEERING COLLEGE

(AUTONOMOUS)

NANDYAL

EDUCATION FOR PEACE & PROGRESS



COLLEGE VISION

To become a nucleus for pursuing technical education and pool industrial research and developmental activities with social-conscious and global standards.

COLLEGE MISSION

- To provide Advanced Educational Prams and prepare students to achieve success and take leading roles in their chosen fields of specialization by arising a self-sustained University
- To establish postgraduate programs in the current and Advanced Technologies.
- To establish an R & D Consultancy through developing Industry Institute Interaction, building up exceptional infrastructure
- To propel every individual, realise and act for the technical development of the society.

OUR DISTINCTIONS

AUTONOMOUS STATUS 2023	NAAC GRADE A (3.2 SCORE)	NBA ACCREDITED (ECE & CSE)
AICTE - CII SURVEY GOLD CATEGORY (2017 & 2018) PLATINUM CATEGORY (2019)	NPTEL NODAL CENTRE & SPOC (From 2017)	ISO 9001:2015 CERTIFIED

Excellence in Education, Commitment to Society, Leadership in Future

COLLEGE CREDENTIALS & RECOGNITIONS

- Received Best Engineering College with AA+ by Career 360 in year 2023, and **AAA** in year 2026.
- Conferred **Autonomous status in the year 2023.**
- Accredited by **NBA** (Dept of ECE & Dept of CSE) and **NAAC** Accreditation with **Grade A (3.2 score)**
- SREC is recognised as Q-Mentor College by APSCHE in 2022.
- Recognised Swachhta Action Plan Institution by MGNCRE in 2021
- SREC received "Certification of Appreciation" from HCL.
- Received "Best Fastest Growing Engineering College in Andhra Pradesh" award from Global Education Excellence Awards, New Delhi.
- SREC is recognized under GOLD CATEGORY by AICTE - CII Survey for the Year's 2017 and 2018, and PLATINUM CATAGORY in the year 2019.
- International Collaborative MOU with LINCOLN University, Malaysia in the year 2018.
- NPTEL Nodal Centre & SPOC from 2017
- 2(f) & 12 (B) of UGC Recognition in the year 2013
- ISO 9001:2015 certification
- Received All India Level ranks in the AICTE-Eduskills internships –
  - 22nd position in the year 2023
  - 6th position in the year 2024
  - 5th position in the year 2025
- Received GRADE-A certificate from NPTEL, and secured All India wide position, for completing
  - 167th position - 960+ MOOCS certifications during July-Oct, 2024.
  - 144th position - 980+ MOOCS certifications during Jan-Apr, 2025.
  - 195th position - 900+ MOOCS certifications during July-Oct, 2025.
  - 167th position - 1260+ MOOCS certifications during Jan-Apr, 2026.
- Received 4* rating from IIC, and became MENTOR INSTITUTE to 44 schools in and around Nandyal district, in the year 2025.

EDUCATION • INNOVATION • RESEARCH • DEVELOPMENT • SOCIETAL IMPACT