SANTHIRAM ENGINEERING COLLEGE

(AUTONOMOUS)

NANDYAL



SDG POLICY DOCUMENT

Initiatives and Implementation of All 17 Sustainable Development Goals (SDGs)

The United Nations introduced the Sustainable Development Goals to address global challenges and ensure sustainable and inclusive development by the year 2030. These 17 goals focus on areas such as poverty eradication, quality education, environmental protection, economic growth, and social equality.

Santhiram Engineering College, **Nandyal**, actively supports and implements the SDGs through various academic, research, and community engagement activities. SREC contributes to achieving the objectives of all 17 SDGs and encourages students to develop innovative solutions for sustainable development. The institution promotes initiatives such as skill development programs, entrepreneurship awareness, environmental sustainability activities, health and wellness programs, renewable energy awareness, and community outreach programs. Through research projects, student involvement, institutional collaborations, and social responsibility initiatives,

SDG INTEGRATION FRAMEWORK:

Santhiram Engineering College adopted a strategic approach to the SDGs across the following key areas:

1. Curriculum Development and Education:

- Embed SDG awareness and responsibility into the academic curriculum across all disciplines.
- Develop and offer specialized courses focusing on sustainability, climate change, social equality, and other SDG-related issues.
- Promote interdisciplinary research that addresses the global challenges outlined in the SDGs.

2. Campus Sustainability:

- Implement energy-efficient practices in campus buildings and facilities.
- Promote renewable energy sources, water conservation, and waste reduction initiatives.
- Ensure green spaces and sustainable infrastructure that promote environmental well-being.
- Create eco-friendly transportation systems, including the use of electric vehicles, cycling infrastructure, and walkable campuses.

3. Inclusive and Diverse Campus Community:

- Foster an inclusive environment by ensuring equal opportunities for all students, staff, and faculty, regardless of gender, race, religion, and disability.
- Promote diversity through various student organizations, clubs, and community outreach programs.
- Provide accessible education and support for students from disadvantaged backgrounds.

4. Research and Innovation for SDG Impact:

- Encourage research projects and innovation that focus on solving pressing global challenges.
- Partner with industry and government agencies to drive innovation that contributes to the achievement of the SDGs.
- Support the development of technologies that promote sustainability, such as renewable energy, waste management, and clean technologies.

5. Community Engagement and Partnerships:

- Build partnerships with local and global organizations to foster collaboration on SDG-related initiatives.
- Engage in community outreach programs that support education, health, and social welfare.
- Encourage students and staff to actively participate in volunteer programs that contribute to local and global sustainable development efforts.

6. Gender Equality and Empowerment:

- Promote gender equality by ensuring equal representation and opportunities for women in leadership, education, and research.
- Support initiatives to empower women and girls through education, skills training, and entrepreneurship programs.

7. Monitoring, Reporting, and Accountability:

- Establish a monitoring system to assess the progress of SDG implementation within the college.
- Report annually on the sustainability initiatives undertaken, challenges faced, and successes achieved.
- Make data-driven decisions and continuously improve the college's SDG strategies.

GOVERNANCE AND POLICY STRUCTURE

To effectively implement and monitor this SDG policy, the following structure will be established:

SDG Committee:

- Composed of senior management, faculty representatives, sustainability experts, and student leaders.
- Responsible for overseeing the adoption and implementation of SDG policies and strategies.
- Ensure alignment with national and global sustainability goals, particularly the UN SDGs and G20 SDGs.

KEY INITIATIVES AND ACTIONS

1. Climate Action and Environmental Protection:

- Launch campus-wide awareness campaigns on the importance of reducing carbon footprints.
- Initiate tree-planting programs and the adoption of smart environmental management systems.

2. Sustainable Infrastructure Development:

- Invest in energy-efficient buildings, water recycling systems, and renewable energy installations.
- Design sustainable campuses that follow green building certification standards.

3. Health and Well-being:

- Offer mental health support services and wellness programs for students and staff.
- Promote healthy lifestyles through sports facilities, healthy eating initiatives, and wellness activities.

4. Partnerships for SDG Achievement:

- Collaborate with NGOs, government bodies, and industry partners to align efforts for achieving SDGs.

5. Quality Education and Lifelong Learning:

- Create platforms for students to engage in SDG-related internships, research projects, and fieldwork.
- Offer capacity-building workshops for faculty to incorporate SDG-related topics into their teaching methodologies.

SDG AWARENESS AND ENGAGEMENT PROGRAMS

1. Student and Faculty SDG Training:

- Organize workshops and seminars on SDG-related topics such as climate change, poverty eradication, and social justice.
- Encourage faculty to participate in continuous professional development programs related to sustainability and SDGs.
- Involve students, faculty, and community members in interactive discussions, workshops, and exhibitions on the SDGs.

2. Sustainability Clubs and Student Initiatives:

- Support the formation of student clubs that focus on sustainability and social responsibility.
- Encourage students to lead initiatives and projects that address specific SDGs.

Criteria followed for the SDG Mapping

S. No.	Name of the SDG	Item
1	**SDG 1** No Poverty	• Fee concessions and scholarships for economically weaker students. • Government scholarship facilitation (SC/ST/OBC/Minority). • Financial literacy awareness programs. • Transparent scholarship cell monitoring.
2	**SDG 2** Zero Hunger	• Subsidized canteen facilities. • Participation in community food distribution programs. • Awareness programs on nutrition and food security • Food waste reduction initiatives on campus
3	**SDG 3** Good Health and Well-being	• Health check-up camps and blood donation drives. • International Yoga Day celebrations. • Mental health counselling services. • Tie-ups with local hospitals. • Student wellness and counselling cell.
4	**SDG 4** Quality Education	• Outcome-Based Education (OBE). • FDPs, workshops, industry certifications. • Advanced laboratories and ICT-enabled classrooms • Academic audits and continuous evaluation. • Integration of NPTEL/SWAYAM certifications
5	**SDG 5** Gender Equality	• Women Empowerment Cell. • Equal participation in leadership roles and technical events. • Gender sensitization programs. • Strict anti-harassment policies.
6	**SDG 6** Clean Water and Sanitation	• RO purified drinking water facilities. • Regular water quality testing. • Sanitation and hygiene awareness programs. • Rainwater harvesting systems. • Eco-friendly sanitation infrastructure.
7	**SDG 7** Affordable and Clean Energy	• Rooftop solar power generation. • LED lighting and energy-efficient equipment. • Energy monitoring systems. • Student IoT-based energy projects.
8	**SDG 8** Decent Work and Economic Growth	• Campus placements and skill development training. • Entrepreneurship Development Cell (EDC). • Internship and industry collaboration programs. • MoUs with industries. • Career guidance and aptitude training.

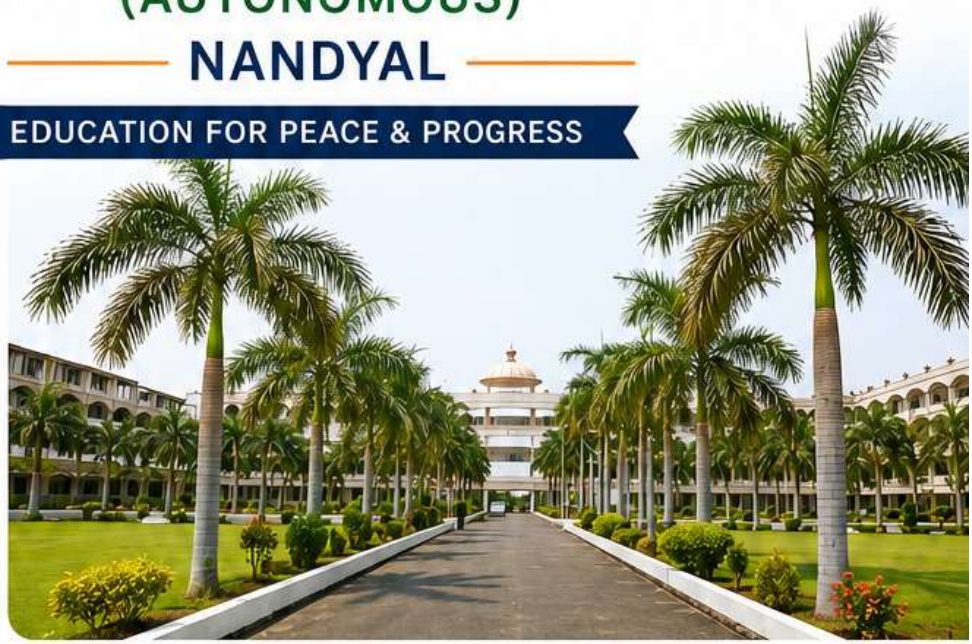
9	**SDG 9** Industry, Innovation and Infrastructure	• Innovation & Incubation support. • Patent filing encouragement. • Research publications in indexed journals. • Centres of Excellence in emerging technologies. • Funded research proposals.
10	**SDG 10** Reduced Inequalities	• Inclusive education practices. • Support for differently-abled students. • Equal access to facilities. • Barrier-free infrastructure. • Remedial coaching for slow learners.
11	**SDG 11** Sustainable Cities and Communities	• Smart campus initiatives. • Digital campus management. • Community outreach programs through NSS.
12	**SDG 12** Responsible Consumption and Production	• Paperless administration via ERP. • E-waste collection. • Waste segregation and recycling systems. • Digital communication and documentation.
13	**SDG 13** Climate Action	• Tree plantation drives. • Climate awareness seminars. • Green campus policy. • Environmental monitoring student projects.
14	**SDG 14** Life Below Water	• Projects on water quality monitoring. • Community campaigns on protecting water bodies. • IoT-based water testing prototypes.
15	**SDG 15** Life on Land	• Biodiversity conservation activities. • Campus green landscaping. • Environmental awareness rallies.
16	**SDG 16** Peace, Justice and Strong Institutions	• Ethics and human values courses. • Anti-ragging and grievance redressal committees. • Transparent governance and policy documentation. • Awareness on cyber laws and digital ethics.
17	**SDG 17** Partnerships for the Goals	• Industry–Institute MoUs. • Collaboration with research institutions and NGOs. • Joint research projects and FDPs. • Community development programs.

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