

**S.A. ENGINEERING COLLEGE**  
**(An Autonomous Institution, Affiliated to Anna University)**

### **7.2.1 BEST PRACTICES**

#### **1. Title: STRIVING FOR SUSTAINABLE DEVELOPMENT GOALS**

#### **2. Objectives of the Practice:**

The S.A.Engineering college has taken an initiative towards the sustainable development goal objectives

- For Ensuring our future generation in this world to enjoy health, justice and prosperity and to overcome poverty.
- The institutional initiatives for greening the campus for focusing the actions for saving the life on earth and below water by maintaining clean, plastic free, environment with eco friendly waste degradation, reducing overall Carbon footprints and sustainable use of natural resources such as water and solar energy. It can be accomplished with the implementation of eco-friendly facilities and practices.
- This initiative by the institution will definitely ensure healthier environment in the campus as well as for healthier society in future.

#### **3. The Context:**

At S.A. Engineering College, We believe that a clean, green and a pollution free environment provides an unblemished backdrop for an effective learning experience. We have therefore left no stone unturned in the development of a green ecosystem to provide enrichment to the mind, heart and soul of the everyone in the campus.

All the avenues and roads within the College campus therefore are adorned with tall trees and beautiful flowers to create a homogeneous feeling among everyone within the campus. For achieving the objectives, the institution has implemented, Bio plant, solar energy generation, Rain water harvesting, Sewage treatment plants, Use of LED for saving energy, E-Vehicle charging point and, Bicycles usage by restricting automobiles for green and pollution free environment.

#### **4. The Practice:**

Our College is committed towards creating an eco-friendly and sustainable campus. For environmental sustainability several practices are followed in the campus such as:

##### **NO POVERTY**

our college encourages the education of financially weak students By providing the Scholarship through our management “the Dharma Naidu Educational Trust” .

##### **GOOD HEALTH AND WELL BEING**

For ensuring mental health Yoga day have been conducted. Faculties and students are insisted to practice yoga during college hours also. Many cultural events and festivals are being celebrated. Various sports activity and Gym facility have been provided

##### **QUALITY EDUCATION**

Quality education is the very most important criteria in our college, S.A. ENGINEERING COLLEGE, an Autonomous institution, affiliated to Anna University, the college was awarded ISO 9001:20015 certificate for academic standard by TUV. The college is accredited by NBA and NAAC with 'A' grade.

#### GENDER EQUITY

Internal complaints Committee (ICC) has been established in our college for the prevention of sexual harassment. Our college provides, well maintained pollution free Ladies Hostel with well-equipped Gym facility, CCTV camera for ensuring protection and safety of women faculties and Girls.

#### CLEAN WATER AND SANITATION

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling, sewage treatment plant
5. Maintenance of water bodies and distribution system in the campus

#### AFFORDABLE AND CLEAN ENERGY

Energy conservation is an important factor in mitigating climate change. The Alternative Energy sources of S.A. Engineering College are made for implementation and efficient utilization of renewable energy for non-renewable resources.

#### DECENT WORK AND ECONOMIC GROWTH:

S.A. Engineering College has 25 years of excellence and have produced more than 50000 engineering graduates who have been playing their role in multi-disciplinary domain for the national development and ensuring the economic growth.

#### INDUSTRY, INNOVATION AND INFRA STRUCTURE

Institution's Innovation Council organizes numerous activities for the academic quality assurance and also for promoting Institute-Industry interaction and to fulfill the needs of industry 5.0 and infra structure is built with all necessary requirements with vast area of about 24 acres and has 3.8 lakh sq.ft. of constructed area

#### REDUCED INEQUALITIES

SC-ST students welfare committee had been formed for solving all affairs and problems of SC-ST students. The equal opportunity cell has been established as per UGC guidelines which functions with a commitment to inclusivity and social equity.

#### CLIMATE ACTION

The institutional initiatives for greening the campus for focusing the actions for saving the life on earth and belowwater by maintaining clean, plastic free, environment.

#### LIFE ON LAND

At. S.A. Engineering College, We believe that a clean, green and a pollution free environment provides an unblemished backdrop for an effective learning experience.

#### LIFE BELOW WATER

Rain water Harvesting

The Institution has implemented rainwater harvesting, which saves significant amount of water. The borewells on campus is used to replenish rainwater. The main feature of these discharge standards is the treated water should not be harmful to the biodiversity, resources and the environment.

## 5. Evidence of Success:

- 6 women faculties are working as Head of the department. Ladies Hostel and CCTV camera is provided for safety of Girl students.
- Yoga Day, Drug awareness program, sports activities and Gym for Faculties and students mental and physical health.
- Various NSS activities organized for social welfare.
- Use of solar lamps from 7PM-6AM in the campus and Solar geyser for the hostel.
- Rainwater recharging systems are functional in the campus.
- Increased use of LED lights in the classrooms replacing the old system of lights.
- E-waste collection and its recycling through proper channel was done.
- Green and Energy audit was done and college receive Best Green campus award.

## 6. Problems encountered and Resources Required:

Problems are faced in an efficient maintenance of solar plants as it is expensive .

- Shifting to renewable resources is a costly affair and financial support from the government front is the prerequisite.
- Restricting automobiles are challenged due to inconvenience faced by stake holders.
- Higher cost of plastic alternatives and in adequate supply of makes them less popular in the society.

## 7. Notes:

The institution has taken an initiative towards the attainment of sustainable development goal objectives for ensuring our future generation in this world to enjoy health, justice and prosperity and to overcome poverty.

- Public needs to be educated and motivated more and more towards environmental sustainability. Continuous efforts for environmental consciousness are required to create a general shift in the mind set of students, staff and public.
- Life style needs to be modified for sustainable living by judicious use of natural resources through rallies, campaigns, competitions and posts on social media.
- Initiatives linked with fast fashion such as recycling and up cycling of clothes with women tailors and designers, reduced usage of water by replacing shower with water filled in buckets, saving energy by using LED bulbs, Not using any drug for maintaining healthy life style.