

# Best Practice-2

Title of the Practice :Clean and Green Campus

Objective of the Practice :

- 1.To bring environmental Consciousness among the students
- 2.To make the Campus Pollution free and to provide a healthy, pleasant atmosphere
3. To create Clean and Green and Eco-friendly Campus
- 4.To Beautify the Campus and improve the green Cover of the Campus
- 5.To Students need of Plantation and involve them in plantation programmes

## **The Context**

Government College (A),Anantapur is located in drought Prone Area. Anantapur district is one of the driest region in India as it is geographically located in rain shadow region of Western Ghats. Plantation is the only means to improve the rain fall, ground water level, reduce pollution, increase biodiversity, etc. Hence we focus on improving green cover. Department of Botany, NSS, NCC, Eco-Club regularly practice plantation programmes and awareness programmes on environmental issues. Students and staff are actively involved in plantation programmes regularly.

## **The Practice**

Students Committees have been formed to maintain the campus clean and green by involving all students including NSS and NCC units. Plantation drives are organized frequently in collaboration with the Forest Department. The college observes one day in a month as vehicle free day. Students are actively participating in clean and green programmes either individually or department wise. Botany Department takes lead in maintaining diversity in the college and botanical garden. Besides Botanical Garden, Botany department is maintaining Rock Garden and Aquatic garden with the help of students. Several desert plants , aquatic plants are being grown them respectively. Being conscious about its social and environmental responsibility Government College (A) has decided to strengthen its green initiatives and develop them as a healthy and best practice of the college.

Students are instructed not to bring plastic water bottles into the campus. Each class room and verandah is provided with dust bins. The waste plant products such as leaves and branches are collected and dumped in compost pit arranged in the botanical garden. The collected daily waste materials are carried by the scavengers Municipal Corporation.

There is ample scope for plantation in this spacious land. Every year a number of Environmental Awareness Programmes, Rallies and Plantation Drives are being organized. Institution has formulated its green policy which is displayed on college website. During the

annual orientation programme organized for the newly admitted students awareness is created about the code of conduct and the green policy, and students are encouraged to participate in eco-friendly initiatives such as use of clay idols, jute bags, steel bottles and utensils. Initiatives have been taken to reduce the use of plastic by banning plastic water bottles and utensils in the campus. Effective disposal of solid and liquid waste is ensured by segregating them into degradable and non-bio degradable waste. Bio degradable waste recycling is ensured through compost pit. The Department of Botany is maintaining nursery to raise plants its sustainable utilization. As a part of solid waste management certain disposed plastic articles such as glasses, water bottles, cool drink bottles, cans etc are used to raise nursery plants. The department of Botany carries out internal green audit of the campus every year. Environmental Awareness Rallies and Programmes such as Swathchapakwada are also carried out by NSS and NCC platforms.

### **Evidence of Success**

On both sides of the College entrance, there are beautiful flowering plants and also lush green trees. The entire landscaping adds beauty and ambience to the Campus. The entire campus has nearly 350 diverse species of terrestrial, desert, aquatic, herbal, medicinal, fragrant and ornamental plants. The Botanical Garden is having vast collection of plant species belonging to various families. It consists wood yielding tree species, medicinal plants, aromatic plants, spices, fruit species and ornamental species. Some of the tree species includes, *Delonix elata*, *Peltophorum pterocarpum*, *Tamarindus indica*, *Guaiacum officinale*, *Ficus benghalensis*, *F. religiosa*, *F. rumphi*, *F. microcarpa*, *Caryota urens*, *Mimusops elengi*, *Terminalia catappa*, *Tectona grandis*, *Jacarandra mimosifolia*, *Tabubia aurea*, *Pterocarpus santalinus* (Red Sanders, Endemic and Endangered), *Hildegardia populifolia* (Endangered and Endemic), *Santalum album* (Sandal Wood), *Swietenia mahogany* (Mahogany), *Michelia champaka* (Champak), *Dalbergia latifolia* (Rose wood), *Butea monosperma*, *Sapindus emarginatus* etc. Various fruit plants are also growing in the botanical garden which includes, Grapes, Mulberry, Litchi, Star fruit, Sitaphal, Ramaphal, Lakshmanphal, Pomegranate, Water Apple, Ber, Jamun, Fig, Banana, Jack fruit, Sapota, Dragon fruit, Guava. Some of the important medicinal plants in the botanical garden includes *Pergularia daemia*, *Cissus quadrangularis*, *Aristolochia indica*, *Simaruba amara*, *Andrographis paniculata*, *Lawsonia inermis*, *Costus speciosus*, *Curcuma longa*, *Ocimum tenuiflorum*, *Gymnema sylvestre* etc. We are also growing some spices which includes Black pepper, Turmeric, Ginger, Elachi. Aromatic plants such rosemary, Artabotrys, Night Queen, Champaka and Lemon grass are also growing in the garden. Several ornamental plants such as Rangoon malli, Alamanda, Garlic vine, Peace lily, Dieffenbachia, Syngonium, Peparomia, Desert rose, Mirabilis, Jasmine, Morning glory, Railway creeper, Orange Tecoma, Yellow Tecoma, *Alpinia purpurata*, *Canna indica*, *Hibiscus*, *Heliconia*, *Ixora*, *Bougainvillea*, etc. We are maintaining separate gardens for desert plants (Rock Garden) and Aquatic plants (Aquatic Garden) in the front side of the college. We have vast collections of desert plants such as *Caralluma umbellata*, *C. adscendens*, *Peresciobleuo*, *Ceropegia juncea*, *Sarcostemm aacidum*, *Sanseveria roxburghiana*, *S. trifaciata*, *S. cylindrica*, *Euphorbia antiquorum*, *Euphorbia trigosa*, *E. milii*, *Helocereus undatus* (Dragon fruit), *Bougainvillea*, *Cissus quadrangularis*, *Carissa carandus*, etc. Some of the aquatic plants in our Aquatic garden are *Nymphaea nouchali*, *Nelumbo nucifera*, *Hydrilla*, *Apanogeton*, *Spirodela*, *Pistia*, *Eichhornia*, *Azolla*, Etc.

The Department of Horticulture is also maintaining separate garden named Crop Cafeteria which include various vegetable, fruit, ornamental and medicinal plant species.

Tree plantation is carried out along the compound wall of the college campus Morning walker Association is actively participating in maintaining greenery in the play ground. The president of the Morning Walkers Association Mr. Sreenivas Reddy is our Alumi student and Alumnus staff member. They have arranged drip irrigation to all the plants in the play ground.

- Increasing enthusiasm among the students to adopt plants.
- College has turned cleaner and greener
- Student committees formed for watering and maintenance of saplings
- New gardens sponsored and developed by departments in the college
- Speedy and safe disposal of garbage
- Awareness programmes on environment hazards and protection

**Problems Encountered:**

- Facing water problem in summer
- Lack of enough gardeners to look after the entire college campus.