

ADITYA PHARMACY COLLEGE

Approved by AICTE & PCI – NEW DELHI, Affiliated to JNTU KAKINADA
(Formerly known as Aditya Institute of Pharmaceutical Sciences & Research)

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7.2.1 INSTITUTIONAL VALUES AND BEST PRACTICES



2017 - 2018

ADITYA PHARMACY COLLEGE

(APPROVED BY AICTE, PCI - NEWDELHI & JNTU KAKINADA)


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PRINCIPAL
Aditya Pharmacy College
SURAMPALEM - 533 437

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BEST PRACTICES

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BEST PRACTICE - I

1. TITLE OF THE PRACTICE:

GO GREEN

2. OBJECTIVES:

- Tree plantation
- Use of renewable energy
- Maintaining biodiversity
- Energy optimization for enhancing energy utilization
- Creating awareness to students on environment.
- Carbon neutrality and reducing fossil fuels that affect environment.
- To involve students in safeguarding the environment.

3. CONTEXT:

Aditya Pharmacy College campus extends as a lush green and extensive oxygen rich and eco friendly place of quality learning at Surampalem. Globally change in climate and reduce of water levels are the most pressing issues. These issues will determine the progress of future generations. Constant steps to be taken continuously to conserve and preserve our environment. Awareness and importance to be created in students. The contribution of students in programmes will help us to preserve the environment awareness among students and faculty. By inserting environmental awareness in the students that help for the development of society. The Eco-friendly campus will give message to the students that protecting nature is protecting human kind. Continuous green practices are followed then the life can enhance.

4. THE PRACTICE:

The following inventiveness has been taken in the college to give to the noble reason of consciousness of environment and its sustainability.

Plastic ban Campus:

The main goal of the programme is decrease plastic pollution in the college. The main focus on reducing and eliminating plastic bottles, straws and food packaging. Students and faculty are advised to drink RO Purified water in the college rather than water bottles. The faculty are advised to bring copper/steel bottles replacing plastic water bottles.



Waste Management:

Aditya Pharmacy College has devised a method for managing waste created in the campus reuse, reduce and recycle are the basic strategy employed. Solid and liquid waste generated by college is biodegradable and non-biodegradable in nature. Hazardous waste is not generated in the campus.

Energy Conservation:

- Awareness is created among the students and faculty.
- Display boards are placed at every floor, staff room and class rooms.
- The solid waste is utilized for vermicomposting.
- Recycling of waste water and using it for gardening helps to reduce consumption of water.
- Water conservation facilities are deployed across the campus to harvest rain water.
- Energy efficient equipment like LED bulbs is in application to reduce the consumption of electric power.
- Bicycles are allowed as a means to commute inside the campus for the staffs, students and visitors.
- E-vehicles are used for internal transport for visitors and parents.
- Every year tree plantation drive is conducted by NSS in and outside of the campus.

Use of Renewable energy:

- Aditya Pharmacy College have installed solar power generation plant in the year 2018.
- The plant produces 500 kW power to meet college needs and additional power is sent to Andhra Pradesh State Electricity (APSEB).
- It has significantly reduced the requirement of regular electricity supply.
- Awareness programmes are being organized frequently on generation and conservation of energy obtained from various sources.



Carbon Neutrality:

- Well established and well-maintained gardens in the campus.
- Greening of college campus to reduce the carbon foot print.
- Printing is done both sides of the paper.
- Uses of plastic utensils are discouraged.
- E- vehicles are used for internal transport.
- Staffs are encouraged to travel by college staff bus
- Notices and circulars are sent through E-mail.

5. EVIDENT OF SUCCESS:

- Aditya Pharmacy College Campus consists of wide variety of Ayurvedic trees, flowers and design plants.
- Nearly 500 plants of Ayurvedic, 1000 varieties of flower plants, 1400 varieties of trees and 1500 design plants and trees are available.
- The institute is wheeling the power generated from the rooftop solar panels to the distribution to the grid. The units shared with the grid are reduced from the actual consumption of power supply.
- The electricity bill is reduced every year from the date of installation.
- APC held programs like Clay Idols – Go Eco Friendly” program to commemorate the Vinayaka chavithi. The clay Ganesh idols were made by Eco Corps and other faculty members and handed to the faculty.
- Every year plantation of saplings in the campus and nearby village is conducted by the college NSS.
- A Recharge pit is harvested the rainwater coming from the top roof of the Visveswaraya building. Similarly, a rectangular water pit has dimensions length of 29 ft, and a width of 9 ft.
- The waste water from the drinking water points is directly drained through the waste pipe. Connected to the inner garden area and the waste water from the R. O plant is utilized for the outer garden area. Approximately 1,12,000 liters per day of R.O reject water was sent to the large exterior garden with more mango trees.
- There are two tanks (open ponds) on campus where the rain water from various parts of the campus is collected and stored. Rainwater from building rooftops is also channeled into these open ponds. Aerators present in ponds maintain suitable dissolved oxygen for the purpose of aquatic life.



- The capacity of the overhead tanks at top of our campus are 90,000 liters and 45000 liters respectively.
- Only reverse osmosis water is available for drinking on campus, we have three R.O units each with a treatment capacity of 2000 liters per hour. Activities conducted under go green is listed in table 1 and varieties of trees and plants are given in table 2.

Table 1: Activities conducted under Go-Green:

Academic Year	Name of the Program	No of Participants	Location
2017 - 18	Plantation of Saplings	56	Nayakampalli Panchayat
2016 - 17	Plantation of Saplings	47	Aanuru Panchayat

Table 2: Data of Various Plants and Trees

Type of Tree	Plant or Tree Names
Design	Cypress, Redduranta, Budda bamboo, Cazirina, Green duratha, Golden duratha, Golden duratha, Carpet lawn, Pisonia alba, Shampan palm, & Creepers.
Ayurveda	Tulasi, Agarak, Turmeric, Datura, Betel leaf, Bur flower
Flower Plants	Indian oleander, Singapore ixora, Almond, Hibiscus, Rose, Mini ixora, Palmerian puttiki, Catharanthus rose, Edinium, Mini Nandhivagana, Porchuluca
Trees	Arkeria, Royal palm, Foxtail palm, Mango, Neem, Red sandalwood, Teak, Traveller palm, Papaya, Areca palm.

6. PROBLEMS ENCOUNTERED AND RESOURCES:

- Lack of awareness among the students and poor availability of eco-friendly products.
- Difficulties in implementing water conservation projects.
- Lack of inherent willingness among students to obey environmental issues counseling and proctoring students.



A handwritten signature in green ink, appearing to read 'K. Suresh'.

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BEST PRACTICE-II

1. TITLE OF THE PRACTICE:

PROMOTING RESEARCH SPIRIT IN THE FACULTY.

2. OBJECTIVES:

When faculties are motivated, energized, and capable, they can enhance the learning of the student and support his personal development.

- To motivate the faculties to do research.
- To motivate the faculty in writing and publishing research papers.
- To undertake research-oriented publications
- To organise seminars/workshops and FDPs'.
- Motivating and guiding the faculty towards project.

3. THE CONTEXT:

We, at Aditya Pharmacy College create research environment that helps institutional and personal growth of the faculty. It provides a positive environment that encourages the faculty to create passion towards research.

The incentives are provided to faculty to encourage them to further concentrate on research and publish their novel ideas and findings in National conference, books, monographs, journal, research projects, funded Projects, proceedings, research-based seminars, workshops and FDPs.

The faculty was encouraged to carry out research in addition to their teaching and administrative responsibilities. Constant care is taken to see the progress in research as well as a quality of the teaching learning process. It always encourages the faculty to undertake consultancy projects sponsored by government, non-governmental agencies.

4. THE PRACTICE:

Aditya Pharmacy College provides research incentives for the faculty published in international journals/national journals, UGC journals, books, Conferences, book chapters. Research practice involves the following activities:



1. Conducting workshops.
2. Presenting paper in international, national conferences.
3. Research publication in reputed journals (Scopus, SCI & UGC)
4. Encourage the faculty for innovations, patents and books.

5. EVIDENCE OF SUCCESS:

Aditya Pharmacy College sponsors the workshop conduction in various fields. Every year workshops and conferences are held from various domains share their knowledge through their interaction with the participants.

Table 1: List of Workshop/Seminars organized

S.NO	Academic Year	Number
01	2017-18	05
02	2016-17	07

Table 2: Research Papers Published in International/National journals

S.NO	Academic Year	No of papers Published
01	2017-18	18
02	2016-17	06

6 PROBLEMS ENCOUNTERED AND RESOURCES:

- Motivating the faculty towards research at entry stages is difficult. After knowing the importance and use of research all the problems are solved.
- Advance tools are necessary for the research. Management provides all tools for research.

