

SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor-517503

Name of the month : August

Name of the college : Sri Padmavathi School of Pharmacy

Principal : Dr. D. Ranganayakulu,
Mobile No. : +91 9912342126

Name of the Programme Officer: Mr. Prakash Pasupuleti
Mobile No.: +91 9642168831

Name of the programme : Swach Pakhwada

02 to 07.08.2017

02.08.2017 – Seminar on Swachta

All the NSS volunteers were gathered for the seminar on Swachtha in the campus. Our principal DR. D. Ranganayakulu addressed the gathering regarding the significance and implementation of Swachtha programmes within individual level, their family level, college level and also at the public level. Later a seminar was given by the NSS P.O. Mr. Prakash Pasupuleti regarding Swach Pakhwada. All the volunteers took the oath on Swachta. The director of academics DR. C. Sridhar, other teaching and non teaching faculty also joined for Swachhta Shapath.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



03-05.08.2017 – Total cleaning of Institution

Total Cleaning of our college including class rooms, labs, library, playground and toilets were carried out by our volunteers.

Page | 3

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)







SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor-517503

Name of the month : September

Name of the college : Sri Padmavathi School of Pharmacy

Principal : Dr. D. Ranganayakulu,
Mobile No. : +91 9912342126


Name of the Programme Officer: Mr. Prakash Pasupuleti
Mobile No.: +91 9642168831


14.09.2017 – District Level NSS PO Meeting


Our NSS Unit Programme Officer, Mr. Prakash Pasupuleti attended “JNTUA District Level NSS Program Officer’s Meeting – Chittoor District” on 14th September 2017 at Annamacharya Institute of Technology and Sciences, Tirupati. JNTUA NSS Co coordinator, Dr.M.L.S.Deva Kumar interacted with all Chittoor district Pos at this meeting.

Place: Sri Padmavathi School of Pharmacy, Tiruchanoor

Date: 14.09.2017


PROGRAMME OFFICER
PROGRAMME OFFICER
Sri Padmavathi School of Pharmacy
NSS Unit
Mohan Gardens, Vaishnavi Nagar
TIRUCHANOOR - TIRUPATI


PRINCIPAL
PRINCIPAL
Sri Padmavathi School of Pharmacy
NSS Unit
Mohan Gardens, Vaishnavi Nagar
TIRUCHANOOR - TIRUPATI


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor-517503

Name of the month : September

Name of the college : Sri Padmavathi School of Pharmacy

Principal : Dr. D. Ranganayakulu,
Mobile No. : +91 9912342126

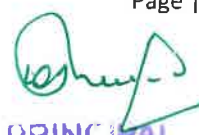
Name of the Programme Officer: Mr. Prakash Pasupuleti
Mobile No.: +91 9642168831

24.09.2017 – NSS Day

In the view of NSS Day celebrations, total cleaning of our campus including class rooms, laboratories, equipment and medicinal garden was carried by our NSS unit.



Page | 12



PRINCIPAL


Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)



Place: Sri Padmavathi School of Pharmacy, Tiruchanoor

Date: 24.09.2017


PROGRAMME OFFICER
 PROGRAMME OFFICER
 Sri Padmavathi School of Pharmacy
 NSS Unit
 Mohan Gardens, Vaishnavi Nagar
 TIRUCHANOOR - TIRUPATI


PRINCIPAL
 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 NSS Unit
 Mohan Gardens, Vaishnavi Nagar
 TIRUCHANOOR - TIRUPATI


PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P.)

SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor-517503

Name of the month : March

Name of the college : Sri Padmavathi School of Pharmacy

Principal : Prof.Dr.D.Ranganayakulu,
Mobile No. : +91 9912342126

Name of the Programme Officer: Mr. Prakash Pasupuleti
Mobile No.: +91 9642168831

03.03.2022 – Swachtha & Sustainability Practices

Swachtha & Sustainability practices workshop was conducted by Dr.Mahendranath, SAP Nodal Officer, AHERF, Chittoor District. He demonstrated the Swachta Action Plan (SAP) and environment sustainability practices like water conservation, solar energy, green energy, sanitization and self hygiene.

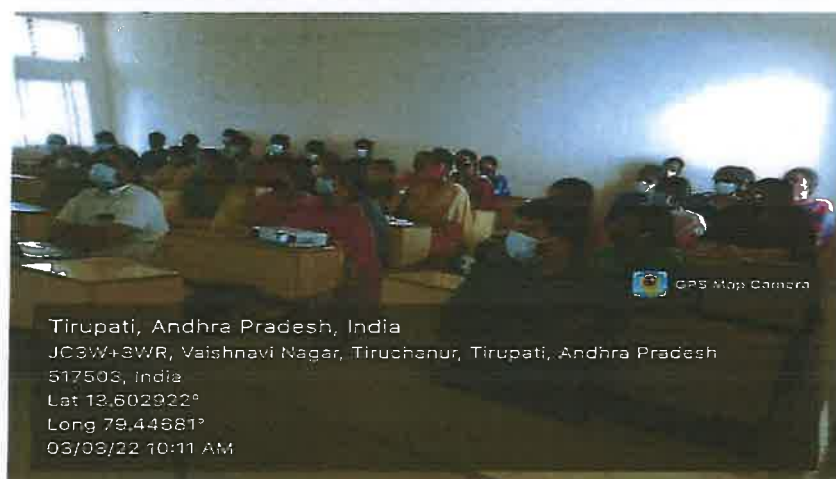
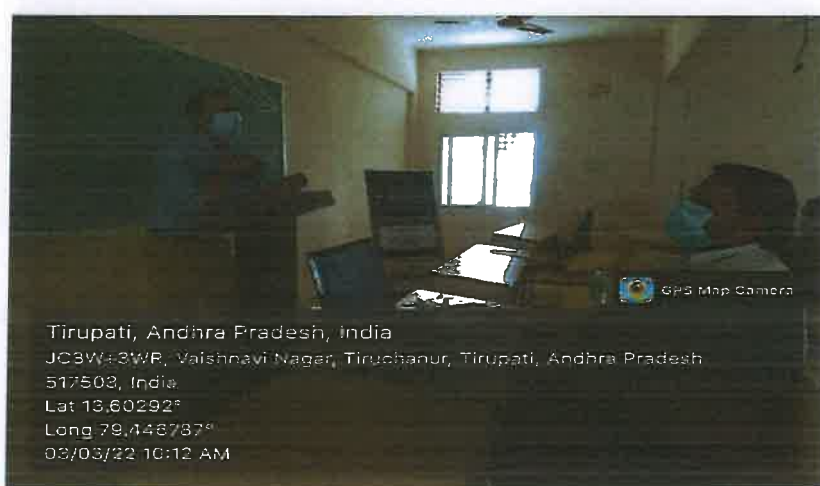
Place: Sri Padmavathi School of Pharmacy, Tiruchanoor

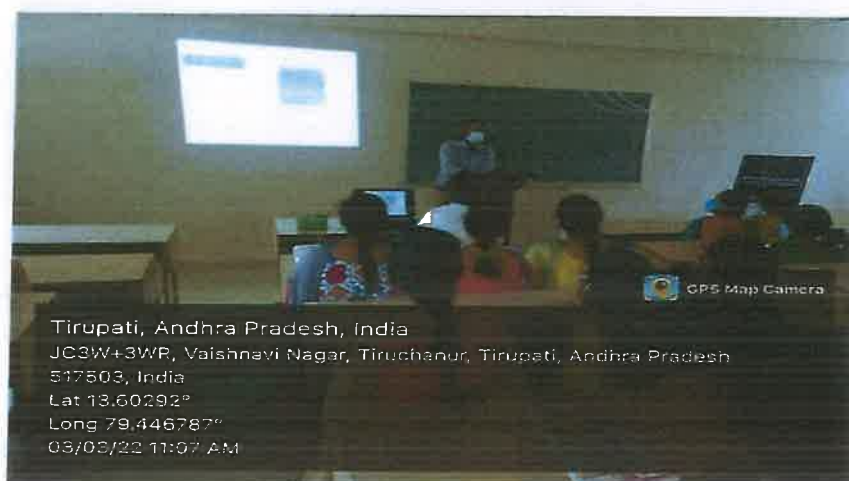
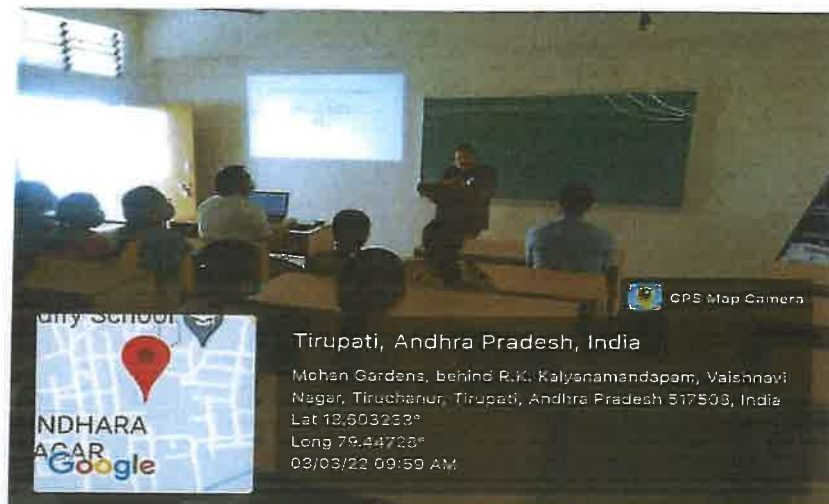
Date: 03.03.2022


PROGRAMME OFFICER
PROGRAMME OFFICER
SRI PADMAVATHI SCHOOL OF PHARMACY
NSS UNIT
Mohan Gardens, Vaishnavi Nagar
TIRUCHANOUR - TIRUPATI


PRINCIPAL
PRINCIPAL
SRI PADMAVATHI SCHOOL OF PHARMACY
NSS UNIT
Mohan Gardens, Vaishnavi Nagar
TIRUCHANOUR - TIRUPATI


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)

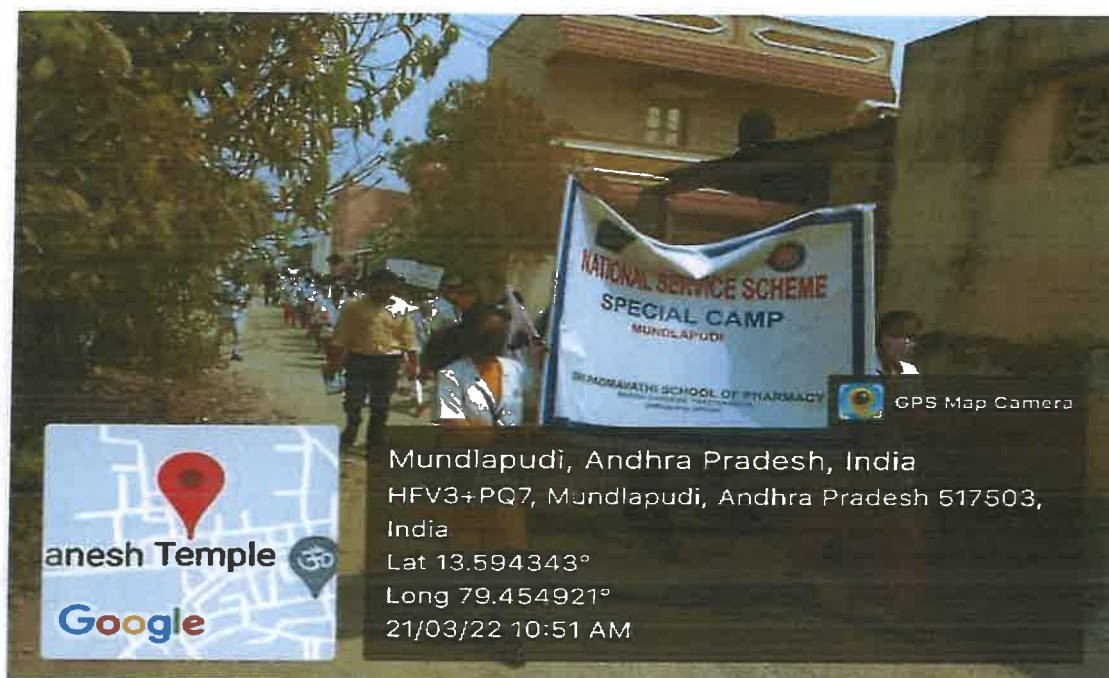





PRINCIPAL
 Sri Padmavathi School of Pharmacy
TIRUCHANUR
TIRUPATI (A.P)

Day 1- 21 March 2022
Inauguration Rally and Swach Bharath

Activity-I: Swach Bharath




Objectives:

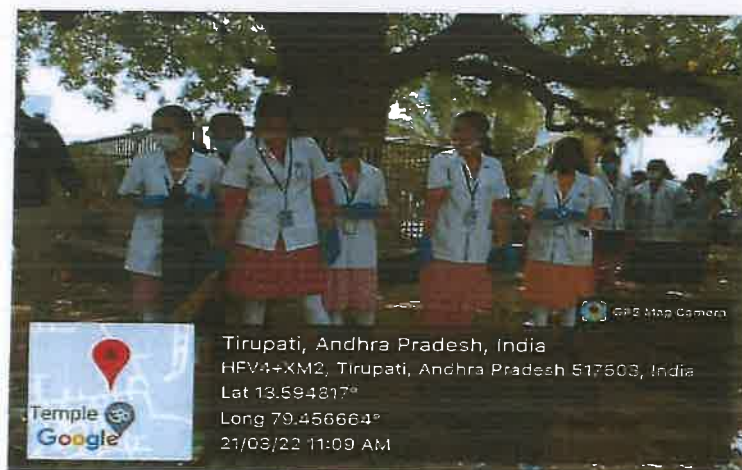
- To inculcate the need of Swachta environment in the villagers.
- To maintain clean and tidy environment.
- To ignite volunteers to support the swachta activities.

Methodology: Our volunteers chosen some places full of dirt and waste. Before starting the cleaning process, our volunteers wore proper gloves and other requirements to prevent pathogenic ingestion because of direct contact with waste and dirt. Then they divided into groups and divided the area into subzones and collected the waste in their respective subzones. The dust was collected in the disposable bags and sealed and disposed in the specified areas from which dust disposal take place.

Impact: The villagers understood the significance of maintenance of clean and tidy environment for the neat and healthy life. Volunteers understood the process of maintenance of a clean environment.

Special Camp | 8

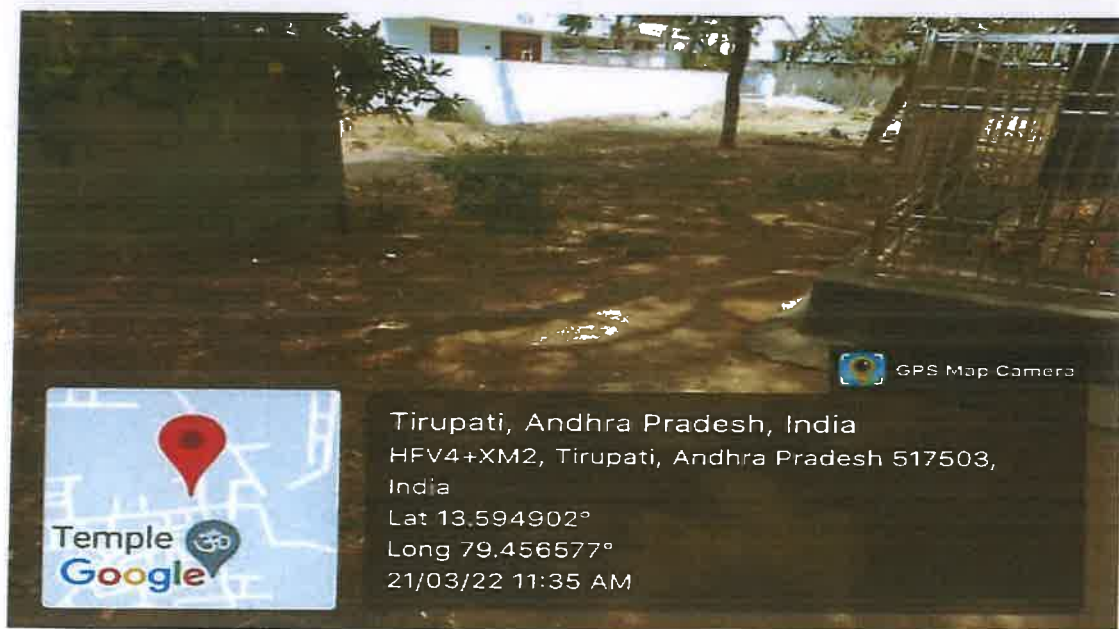
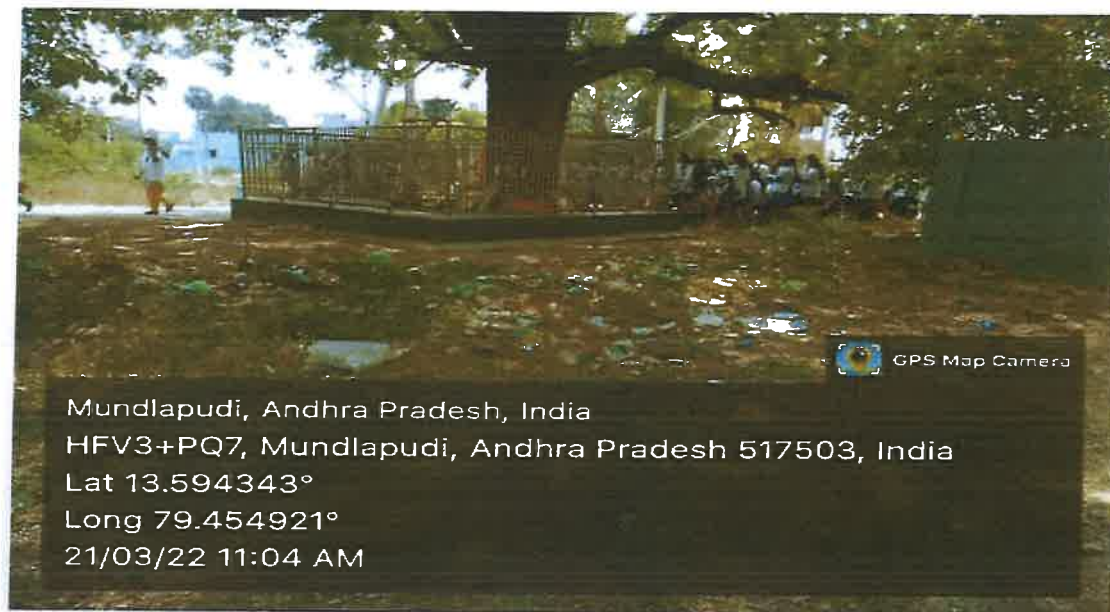

PRINCIPAL
Shri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



Special Camp | 9

PRINCIPAL

Sri Padmavathi School of Pharmacy
 TIRUCHANOUR
 TIRUPATI (A.P)



Special Camp 10


PRINCIPAL
Sri Padmavathi School of Pharmac,
TIRUCHANOOR
TIRUPATI (A.P)

SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor-517503

Name of the month : July
Name of the college : Sri Padmavathi School of Pharmacy
Principal : Dr. D. Ranganayakulu,
Mobile No.: +91 9912342126
Name of the Programme Officer: Mr. Prakash Pasupuleti
Mobile No.: +91 9642168831
Name of the programme : Jal Diwas

22.07.2019 - Jal Diwas

On the occasion of "Jal Diwas", an awareness programme on water conservation was conducted at our campus. Debate, skits and elocution programmes were conducted in water conservation topic.



Page | 5


PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)



Place: Sri Padmavathi School of Pharmacy, Tiruchanoor
Date: 22.07.2019


PROGRAMME OFFICER
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)


PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)

Page | 6


PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)

SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor-517503

Name of the month : August

Name of the college : Sri Padmavathi School of Pharmacy

Principal : Dr. D. Ranganayakulu,
Mobile No.: +91 9912342126

Name of the Programme Officer: Mr. Prakash Pasupuleti
Mobile No.: +91 9642168831

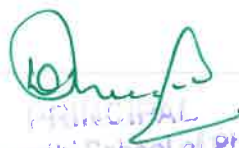
Name of the programme : Eye Check Up Camp

08.08.2019 – Eye Check Up Camp

In association with Care plus Eye Care Hospitals, Tirupati, an eye check up camp was conducted at our campus. Care plus team Mr.Ravi, Mrs.Neelima with the support of our NSS volunteers led the camp with well equipped eye examination tools. The team examined eyes of every attendant and gave their correct vision report and counseled for those who required additional care. Special coupons were given for the required persons for further examination in their hospital. 560 members including students and staff got benefited from this camp.



Page | 7


Principal
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Energy Policy

As per the Indian Green Building Standards

Prepared by

Greenvio Solutions

An environmental and architectural design consultancy (Socio-environmental responsibility)

Motto: Developing Healthy and Sustainable Environments

greenviosolutions@gmail.com

Website: <https://thegreenviosolutions.co.in/>



Proposed for the prestigious

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

Date of preparation of policy: Thursday, 09 March 2023

Policy no: GV/ PL/ 03-23/ F-3

PRINCIPAL

**Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)**

Energy Policy

DISCLAIMER – This policy has been prepared by the team of 'Greenvio Solutions' based on the audit of the Institute. The inferences suggested by the team during the audit have been used as a base in formulating the policy. The documentations suggested below are based on the practical implementation capacity of the Institute. Hence, it is a feasible policy that can be practiced by the stakeholders of the Institute.

Sri Padmavathi School of Pharmacy along with Greenvio Solutions shall undertake the following approaches towards sustainability.

- ➔ Increase student's sensitization about importance of energy conservation at the Institute and in respective households.
- ➔ Increase staff sensitization towards energy management measures in the premises in the after hour usage.
- ➔ Undertake beyond environment promotional activities related to 'Energy Management in the locally adopted villages/ areas for betterment and social welfare.
- ➔ As and when there is a practical requirement of replacement only energy efficient appliances shall be used for reduced electrical loads.
- ➔ The following analysis is combined for entire premise taking into considerations calculated electrical consumption as per inventory.

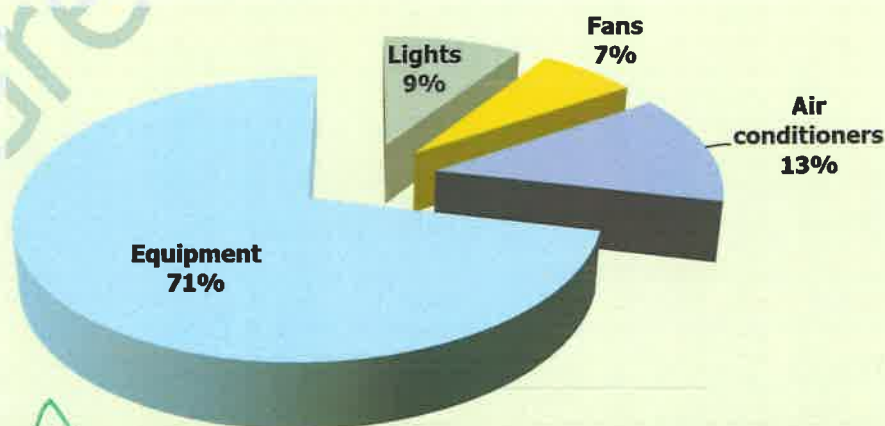


Figure 1: Summary of the calculated electrical consumption as per inventory

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

Environment Policy

Prepared by

Greenvio Solutions

An environmental and architectural design consultancy (Socio-environmental responsibility)

Motto: Developing Healthy and Sustainable Environments

greenviosolutions@gmail.com

Website: <https://thegreenviosolutions.co.in/>



Proposed for the prestigious

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

Date of preparation of policy: Thursday, 09 March 2023

Policy no: GV/ PL/ 03-23/ F-1

PRINCIPAL

**Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)**

Environment Policy

DISCLAIMER – This policy has been prepared by the team of 'Greenvio Solutions' based on the audit of the Institute. The inferences suggested by the team during the audit have been used as a base in formulating the policy. The documentations suggested below are based on the practical implementation capacity of the Institute. Hence, it is a feasible policy that can be practiced by the stakeholders of the Institute.

Sri Padmavathi School of Pharmacy along with Greenvio Solutions shall undertake the following approaches towards sustainability.

- *At present there are 215 nos. of plantations in the premises.*
- *Increase provisions for plantations inside the premises.*
- *Educate the stakeholders through scientific and detailed specifications of plants.*
- *Increase the green cover along the courtyards and duct areas through vertical plantations – This activity will be updates on a macro level upon discussion with the Management since it is a shared campus with other institutes in the premises.*
- *Undertaken smart and responsible environmental systems.*
- *Undertake additional fire and life safety provisions - This activity will be updates on a macro level upon discussion with the Management since it is a shared campus with other institutes in the premises.*
- *Enhance the premises and manuals for the visually impaired and the hearing and speech impaired fraternity through eco-friendly initiatives – This activity will be emphasized towards environment promotion and social welfare.*
- *Increase the provisions for the battery operated and E-vehicles in the premises.*

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Green Policy

Prepared by

Greenvio Solutions

An environmental and architectural design consultancy (Socio-environmental responsibility)

Motto: Developing Healthy and Sustainable Environments

greenviosolutions@gmail.com

Website: <https://thegreenviosolutions.co.in/>



Proposed for the prestigious

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

Date of preparation of policy: Thursday, 09 March 2023

Policy no: GV/ PL/ 03-23/ F-2

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)

Green Policy

DISCLAIMER – This policy has been prepared by the team of 'Greenvio Solutions' based on the audit of the Institute. The inferences suggested by the team during the audit have been used as a base in formulating the policy. The documentations suggested below are based on the practical implementation capacity of the Institute. Hence, it is a feasible policy that can be practiced by the stakeholders of the Institute.

Sri Padmavathi School of Pharmacy along with Greenvio Solutions shall undertake the following approaches towards sustainability.

- ➔ *Take certain provisions for Green Building parameters to be implemented in a cost-effective manner through consultancy with Greenvio Solutions.*
- ➔ *Undertake regular activities such as competitions, social awareness, community service, rural welfare related focused on Environmental impacts.*
- ➔ *Increase the number of practical and virtual activities under social welfare and community development initiatives for the students and staff.*
- ➔ *Organize an environmental event very often for the students and staff participation and document the same in various formats.*
- ➔ *Join hands with local municipal corporations on local, regional, national and international level to develop substantial programmes for community development.*
- ➔ *Include the environmental interventions in the educational programmes.*
- ➔ *Educate the students to undertaken initiatives for the society welfare for nearby localities.*
- ➔ *Continue the existing waste, water measures.*

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

ENERGY AUDIT

STUDY PERIOD (TWO YEARS) 2020 – 2021 & 2021 – 2022

Sustainability study

AUDIT REPORT

Studied for

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar,

Tiruchanoor – 517 503, Andhra Pradesh, India

Studied in the capacity of

Accredited with IGBC and Certified with ASSOCHAM GEM

Registered Architect & Green Building Professional



Studied by

Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Issued on 09 March 2023 and valid till March 2024

Background reference image Janka Ferlic on pexels

PRINCIPAL

Sri Padmavathi School of Pharmacy

TIRUCHANOUR

TIRUPATI (A.P.)

Disclaimer

The Audit Team has prepared this report for the **Sri Padmavathi School of Pharmacy** located at Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com



PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)



Acknowledgement

The Audit Assessment Team thanks the **Sri Padmavathi School of Pharmacy, Andhra Pradesh, India** for assigning this important work of Energy Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Smt. P. Sulochana**, Correspondent; **Sri. P. Praneeth**, Director and everyone from the Management.

Our heartfelt thanks to Chairperson of the entire process **Prof. Dr. D. Ranganayakulu**, Principal for the valuable inputs.

We highly appreciate the assistance of **Mr. G. Jayasuriya Chowdary**, Administrative Officer and the **entire Teaching, Non-teaching and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

PRINCIPAL
Sri Padmavathi School of Pharmacy,
TIRUCHANOOR
TIRUPATI (A.P)

Contents

Disclaimer	1
Acknowledgement	2
Contents.....	3
1. Introduction.....	4
2. Institution overview	6
3. Green Building research approach.....	8
4. Energy Audit	9
5. Inferences as consolidated study	15
6. References	17



PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

1. Introduction

1.1 About the Institute

Sri Padmavathi School of Pharmacy popularly known as SPSP was the first private pharmacy institute to be established in the Rayalaseema region of united Andhra Pradesh. Over the years the institute has grown in all facets and emerged as a centre of excellence in pharmaceutical education due to the relentless efforts of visionary management and committed faculty.

SPSP has become synonymous for quality education, with its state of the art infrastructure, committed faculty and the ambient atmosphere for teaching and learning process. The presence of alumnae of SPSP at higher levels in various sectors of Pharma industry, Regulatory bodies, hospital and Clinical studies, in India and abroad is the testimony for the quality of education and training imparted at SPSP. **It has received the 'Campus preparedness award' as well.**

1.2 Statements of the Institution

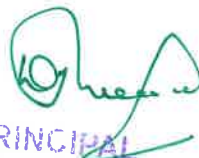

1.2.1 Vision

The College "Promotes holistic learning, nurtures ethically strong and highly competent pharmacy graduates to serve the global healthcare system."

1.2.2 Mission

The College adheres and focuses

- To provide innovative and contemporary educational experiences of the highest quality.
- To install ethics, sense of professionalism, communication and leadership skills.
- To promote and nurture the research and scholarly activities.
- To foster entrepreneurship and life-long learning.


 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOUR
 TIRUPATI (A.P.)


1.3 Assessment of the Institute

1.3.1 Affiliations

The Institute is affiliated to **Jawaharlal Nehru Technological University, Anantpur (J.N.T.U.A.)**, a State University in Anantapur, Andhra Pradesh, India.

1.3.2 Approvals

- Approved by **All India Council for Technical Education (AICTE)**, New Delhi.
- Approved by **Pharmacy council of India (PCI)**, New Delhi.
- Approved by **Andhra Pradesh State Council of Higher Education (APSCHE)**.

1.3.3 Certification

The Institute has received the following Certifications

- **NIRF** – The College participates in the National Institutional Ranking Framework (NIRF) India Rankings.
- **AISHE** – The code is C- 26878 for the All India Survey of Higher Education.

1.3.4 Accreditation

National Board of Accreditation (NBA) has awarded the Accreditation status to the Institute for the B. Pharmacy course.

PRINCIPAL
Sri Padmavathi School of Pharmac.
TIRUCHANOOR
TIRUPATI (A.P)

2. Institution overview

2.1 Populace analysis for Academic year 2021 - 2022

2.1.1 Students data

The student data (shared by the College) shows there were a total of **147 male and 478 female students** on the premises.

2.1.2 Staff data

Type	Male	Female	Total
Admin staff	4	3	7
Teaching staff	24	31	55
Non-Teaching staff	5	4	9
Total Staff Members	33	38	71

Table 1: Staff data of the Institution for 2021 - 2022

The staff data shows the premises had a total of **71** Staff Members.

2.2 Populace analysis for Academic year 2020 - 2021

2.2.1 Students data

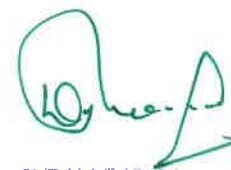
The student data (shared by the College) shows there were a total of **159 male and 465 female students** on the premises.

2.2.2 Staff data

Type	Male	Female	Total
Admin staff	4	3	7
Teaching staff	25	28	53
Non-Teaching staff	5	4	9
Total Staff Members	34	35	69

Table 2: Staff data of the Institution for 2020 - 2021

The staff data shows the premises had a total of **69** Staff Members.



PRINCIPAL

Sri Padmavathi School of Pharmac,
TIRUCHANOUR
TIRUPATI (A.P)



2.3 Total College Area & College Building Spread Area

The total site area is 5.5 acres & total Built-up area of College is 87,381.42 sq. ft. for around 696 populace footfalls.

2.4 College Infrastructure

2.4.1 Establishment

The College was established in 1997.

2.4.2 Spatial Organisation

The College has ample and wide open classes with facilities appropriate for an educational space. There are open spaces with a beautiful entrance approach. The balance of hardscape and softscape provides a landscape serene ambience. **Overall the Infrastructure of the Building is excellent in terms of the Architecture Design.**

2.4.3 Operation and maintenance of the premises

The data collection session was held with the staff regarding the operation and working hours. The schedule is mentions that the College is working Monday to Saturday with timings being 09:00 hours to 17:00 hours.

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

3. Green Building research approach

3.1 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.2 Analysis of the Green Building Study Audit

The procedure included detailed verification for the following:

Energy Audit

- Analysis of the Lights, Fans, AC, Equipment
- Renewable energy
- Scope for reducing the current energy bills if any
- Improvement in the thermal comfort of the premises

Green Audit

- Green initiatives
- Hygiene audit
- Water Audit - Analysis of the current water consumption of campus; Rainwater harvesting and Wastewater treatment on the premises.
- Waste Audit - Current waste produced, its segregation, and usage; Strategies to be adopted for waste management and awareness

Environmental Audit


- Analysis of the current landscape + hardscape of the premises
- Analysis of the flora and fauna of the premises
- Strategies adopted at present to enhance vegetation
- Measures that can be adopted for ecological improvement of the premises.

3.3 Strategy adopted for Green Building Study Audit

The strategies included data collection from the admin department, actual inventory, investigation to check the operation and maintenance, analysis of the data collection, and preparation of the Report.

3.4 Activities undertaken for the Green Building Study Audit

- Allotment and Initiation by the Institute
- Survey of students and staff completed
- Site visit at the Institute
- Submission of the Certificate


 PRINCIPAL
 Sri Padmavathi School of Pharmac,
 TIRUCHANOOR
 TIRUPATI (A.P)

4. Energy Audit

4.1 Primary sources

The premise uses following sources of energy consumption.

- **Electrical (Metered)** – Light, Fans, Equipments, Pumps comprise these sources.
- **Renewable energy** – There are Solar Panels available in the form of renewable energy in the premises.

4.2 Secondary sources

These are available in the form of Gas cylinders for general and educational purposes.

4.3 Site investigation analysis

The Site investigation observations and interviews with the Maintenance staff, Electrical department in charge are summarised below:

- The **switch-off drills are practised at present**, the maintenance staff and Lab Attendants put off switches of all equipments regularly.
- All the **computers are shut-off after use** and also put on power saving mode.

4.4 Actual Electrical Consumption as per Bills

The College team informed through an interview session that there are solar panels installed in the premises; 100% of the energy is utilised in the premises and the monthly electricity bill is very nominal usually ranging between Rs. 1,000 to 2,000/- or less than Rs. 1,000/-



PRINCIPAL

Sri Padmavathi School of Pharmac;
TIRUCHANDOOR
TIRUPATI (A.P)

4.5 Calculated Electrical Consumption as per inventory

The electricity bills provide actual consumption data. The following is the calculated consumption. It is done to understand the percentage of energy usage in the premises by various applications. It is based on the inventory collected and interviews with the staff.

The additional data such as wattage is taken from market research. In terms of electrical consumption, the main sources are lights, fans, air conditioner, and equipment. The inventory and data collection for sources of energy consumed in the premise is summarised in the following sections.

Note: The following analysis is combined for entire premise taking into considerations the duration before pandemic to understand the consumption pattern as post pandemic the premise is used only for a few hours.

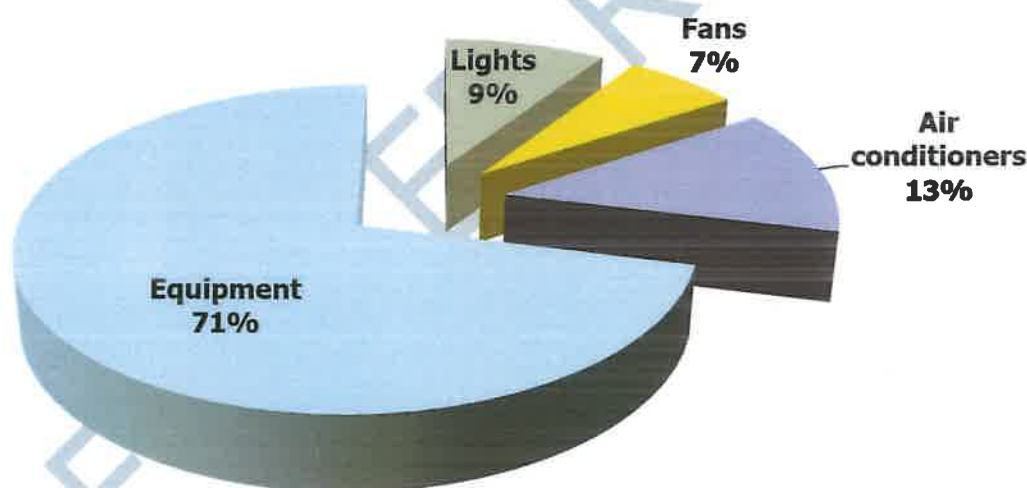


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that the equipment consumes 71% whereas the air conditioners consume 13% while the lights consume 9% and the fans consume 7% of the total calculated electrical energy.

[Signature]
 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P.)

4.6 Lights

4.6.1 Types of lights based on the numbers

There are a total of **135 nos. of lights on the premises**; these are Non-LED (Non Energy-efficient lights).

4.6.2 Types of lights based on the power consumption

The energy consumption of lights is **15,455 kWh** of energy. The analysis of the types of Lights on the premises shows that the **Non-LED lights consume 100%**

4.6.3 Energy efficiency analysis

4.6.3.1 Alternative energy initiatives practiced

The College is equipped with solar energy plant for alternate energy. This is connected to NET Meter of the State Power Grid.



4.6.3.2 Percentage of lighting power requirement met through LED lights

The premise has LED Lights to contribute to zero percentage in terms of number and **the power requirement** is met through the same.

4.6.4 Section-wise recommendation related to 'Lights'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

Non-LED lights - The current light analysis shows that the College has **Non-LED** lights, these should be replaced with LED lights which consume on an average 12-20W when in use. Our technical analysis shows that there would be a reduction of an average of **63% reduction** in energy consumption through lights specifically as a part of the electro-mechanical system if all **Non-LED lights** are replaced; these are not an urgent requirement but can be done whenever there is renovation/ light equipment is not in a working condition.


 PRINCIPAL
 Sri Padma School of Pharmacy
 TIRUPATI (A.P.)


4.7 Fans

4.7.1 Types of fans based on the numbers

There are a total of **97 fans** on the premises as follows:

Note: The information related to ceiling fans were shared thus the other type of fans are excluded for this study.

4.7.2 Types of fans based on the power consumption

The energy consumption of fans is **10,864 kWh** of the energy.

4.7.3 Floor-wise consumption analysis

The following graph is documented on the basis of the data collected.

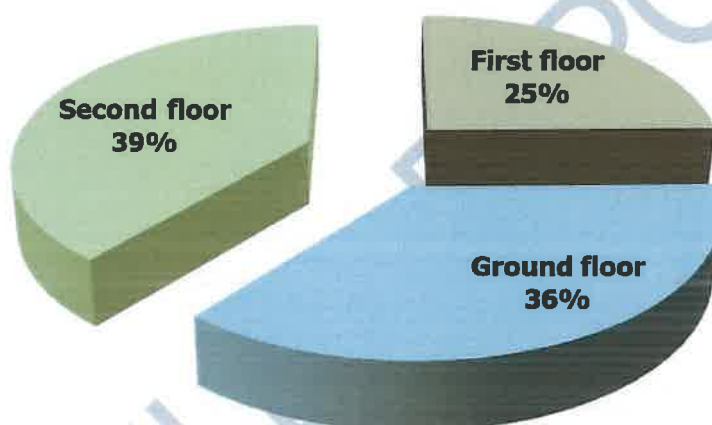


Figure 2: Energy consumed by fans floor-wise

Observation: The documented data shows that the maximum energy is consumed by the **Second floor (39%)** and the **Ground floor (36%)** because the nos. of fans is more.

Inference: Whenever there is scope for replacement, first priority should be Second floor.

4.7.4 Section-wise recommendation related to 'Fans'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

Our detailed study states that is all the **ceiling fans in all Buildings** if replaced with star rated appliance results in a reduction of average of **47% reduction** in energy consumption if replaced with energy efficient appliance. It will be suggested to replace these when fans get damaged or are not in working condition.

4.8 Air conditioners

4.8.1 Types of air conditioners based on the numbers

There are **15 air conditioners** on the entire premises.

4.8.2 Building-wise consumption analysis

The energy consumption of air conditioners is **21,834 kWh** of energy.

4.8.3 Section-wise recommendation related to 'Air conditioners'

We were informed that the current air conditioners are new and energy efficient appliances hence there is no requirement for replacement/ recommendations for this section.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

4.9 Equipment

4.9.1 Types of Equipment

There are **275 nos. of equipment** in the Educational sector.

4.9.2 Types of equipment as per their energy contribution

The energy consumption of equipment is **1,19,039 kWh** of energy.

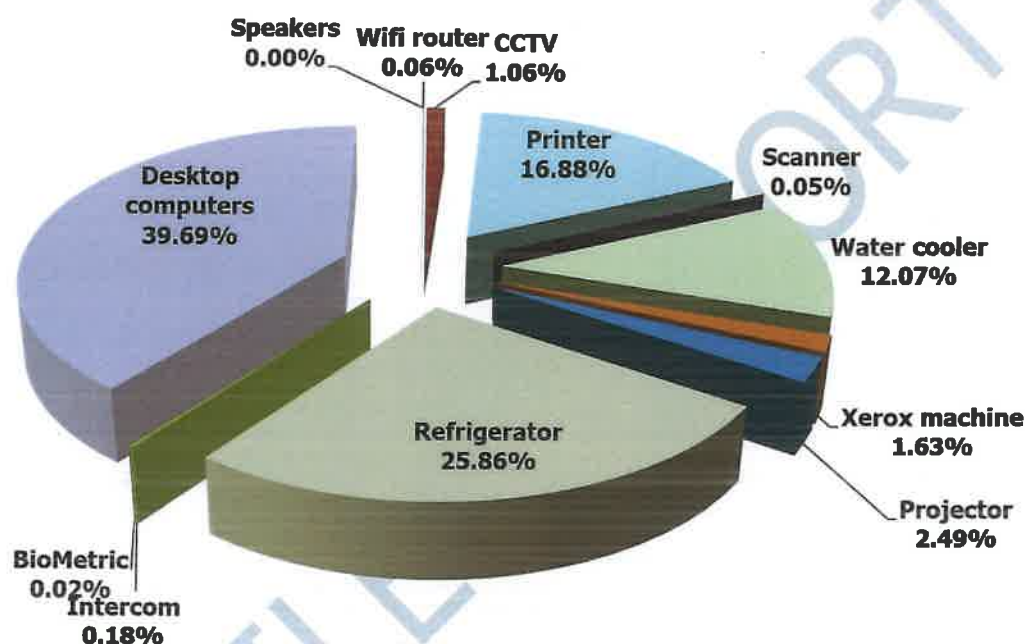


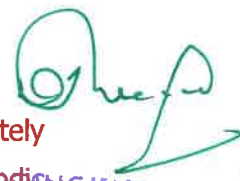
Figure 3: Energy consumed by types of equipment in the educational sector based on the usage study

The above summary shows that the **desktop computer consumes more energy at 39.69%** while the **refrigerator consumes 25.86%** the **printer consumes 16.88%** and the **water cooler consumes 12.07%** these are the maximum consumers as compared to other equipment.

4.9.3 Section-wise recommendation related to 'Equipment'

The following recommendations are for the other equipment in the premises.

- ➔ Backup computer files during vacations.
- ➔ Refrigerators and all electronic equipments should be cleaned out completely including system check up with AMC during vacations, this should be a periodic activity and the same should be documented every year.


 PRINCIPAL
 Sri Padmavathi School of Pharmac;
 TIRUCHANOOR
 TIRUPATI (A.P)

5. Inferences as consolidated study

The following details are consolidated study recommendations related to 'entire Institute' and should be considered as **second priority** for implementation, once the section wise recommendations are implemented. The following recommendations should be implemented within 2.5 to 3.5 years from the date of the Report submission.

5.1 Alternatives towards Smart premises mechanisms

5.1.1 Facility management systems, controls

(Includes electromechanical systems – Electrical, Water)

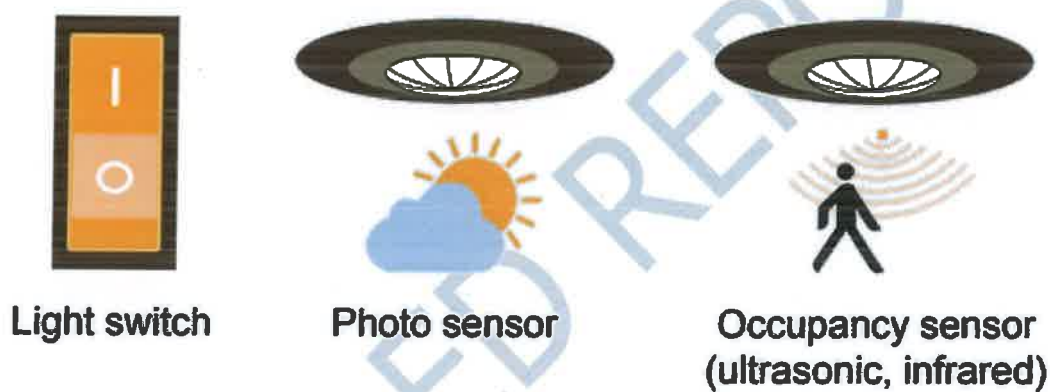


Plate 1: Understanding the lighting concepts

Source: https://seors.unfccc.int/applications/seors/attachments/get_attachment?code=NG125PFE4WHMWSYAK8TCAKIHMWX0F4QD

The above diagram provides a detailed study of how the system controls should be incorporated in the premises as far as lighting systems are considered. The suggestions for this sub-section are listed below.

- ➔ Install PIR control of the lighting in the toilet areas.
- ➔ Install low flow taps with automatic shut off in the toilets.
- ➔ Install push button timer control in all rooms lighting and ceiling fans.
- ➔ Install Power Electronics control of the Foyer notice board lighting.
- ➔ Installation of intelligent lighting controller will help in controlling the lighting energy.
- ➔ Use of photo sensor switch for street light controlling helps in conserving the lighting energy.

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

5.1.2 Smart gardening

The College can undertake a Smart Gardening system using IoT Technology. This will result in saving time by scheduling time for watering; saving money through automated water schedules tracking dampness of soil to know when, how much water garden needs.



Plate 2: Solar farm concept for the Institute (For reference purpose only)

Image source: <https://housing.com/news/smart-gardening/>

Data source: <https://www.happysprout.com/inspiration/what-is-smart-gardening/>

5.2 Building management systems

The College has extreme potential to become 100% energy efficient premises. In addition to provisions in the electromechanical system some facilities can be introduced towards building management systems as well. These can be undertaken equally for educational and residential sections.

- Set the BMS time of day schedules to suit the minimum occupancy periods of the areas served and implement optimum start stop incorporating a night purge cycle, session and holiday scheduling.
- Space temperature Setback - A temperature setback is a simple strategy to help save utility cost by reducing how often your heating or cooling system operates. (morriseyengineering)
- Timer control of air conditioners.
- Timer control of personal heaters - Install push button timer control of personal heaters in Residential areas.

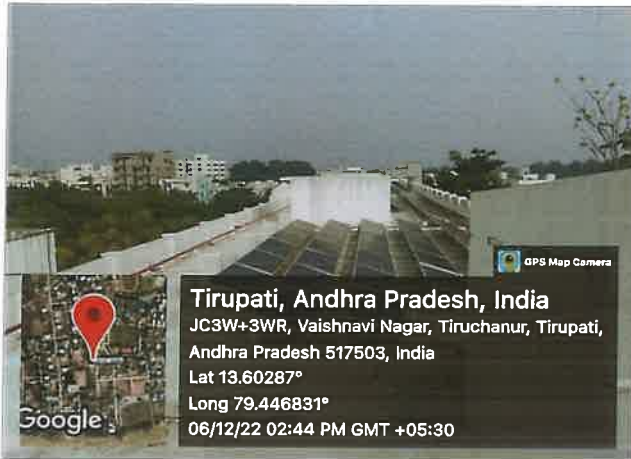
(Signature)
Principal

Sri Padmavathi School of Pharmac
TIRUCHANOOR
TIRUPATI (A.P)

On-site verification of the facilities available
Based on the evidences shared by the team



Parking shed for two-wheelers and wide walkways for stakeholders



Roof-top solar panels on site




Water pit on site



Water pit on site and the wash basins



Electronic equipment on site


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P.)

6. References

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

Specific references for study related to energy

- ➔ <https://www.energy.gov/eere/buildings/zero-energy-buildings>
- ➔ <https://www.dsaarch.com/zero-net-positive-energy>
- ➔ U.S. Energy Information Administration
- ➔ https://seors.unfccc.int/applications/seors/attachments/get_attachment?code=NG125PFE4WHMWSYAK8TCAKIHMWX0F4QD
- ➔ <https://housing.com/news/smart-gardening/>
- ➔ <https://www.happysprout.com/inspiration/what-is-smart-gardening/>



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



Greenvio Solutions I Sustainable Academe I Developing Healthy and Sustainable Environments I sustainableacademe@gmail.com

A handwritten signature in green ink, appearing to be 'Chandana'.

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Energy Audit Certificate (36 per Green Building Parameters)

GV/EA/03-23/147

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2020-2021 and 2021-2022** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Issued on **Thursday, 09 March 2023** and valid till **March 2024**

Ar. Nafida Abdulla Shaikh

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (Registration. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Nalgonda

An environment Design and Consultancy developing Healthy and Sustainable Environment

Email: sustainablecademe@gmail.com I greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

ENVIRONMENT AUDIT

STUDY PERIOD (TWO YEARS) 2020 – 2021 & 2021 – 2022

Sustainability study
AUDIT REPORT

Studied for
Sri Padmavathi School of Pharmacy
Mohan Gardens, Vaishnavi Nagar,
Tiruchanoor – 517 503, Andhra Pradesh, India

Studied in the capacity of
Accredited with IGBC and Certified with ASSOCHAM GEM
Registered Architect & Green Building Professional



Studied by

Greenvio
Pebbles

Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Issued on **09 March 2023** and valid till **March 2024**

Background reference image Nic Y C Guo on unsplash

Disclaimer

The Audit Team has prepared this report for the **Sri Padmavathi School of Pharmacy** located at Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



Acknowledgement

The Audit Assessment Team thanks the **Sri Padmavathi School of Pharmacy, Andhra Pradesh, India** for assigning this important work of Environment Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Smt. P. Sulochana**, Correspondent; **Sri. P. Praneeth**, Director and everyone from the Management.

Our heartfelt thanks to Chairperson of the entire process **Prof. Dr. D. Ranganayakulu**, Principal for the valuable inputs.

We highly appreciate the assistance of **Mr. G. Jayasuriya Chowdary**, Administrative Officer and the **entire Teaching, Non-teaching and Admin staff** for their support while collecting the data.

Sustainable Academe

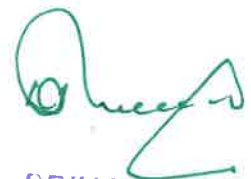
Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

Contents

Disclaimer	1
Acknowledgement	2
Contents.....	3
1. Introduction.....	4
2. Institution overview	6
3. Green Building research approach.....	8
4. Site features	9
5. Ecological (Environmental) Audit	10
6. References	15



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

1. Introduction

1.1 About the Institute

Sri Padmavathi School of Pharmacy popularly known as SPSP was the first private pharmacy institute to be established in the Rayalaseema region of united Andhra Pradesh. Over the years the institute has grown in all facets and emerged as a centre of excellence in pharmaceutical education due to the relentless efforts of visionary management and committed faculty.

SPSP has become synonymous for quality education, with its state of the art infrastructure, committed faculty and the ambient atmosphere for teaching and learning process. The presence of alumnae of SPSP at higher levels in various sectors of Pharma industry, Regulatory bodies, hospital and Clinical studies, in India and abroad is the testimony for the quality of education and training imparted at SPSP. **It has received the 'Campus preparedness award' as well.**

1.2 Statements of the Institution

1.2.1 Vision

The College "Promotes holistic learning, nurtures ethically strong and highly competent pharmacy graduates to serve the global healthcare system."

1.2.2 Mission

The College adheres and focuses

- To provide innovative and contemporary educational experiences of the highest quality.
- To install ethics, sense of professionalism, communication and leadership skills.
- To promote and nurture the research and scholarly activities.
- To foster entrepreneurship and life-long learning.



PRINCIPAL

Sri Padmavathi School of Pharmac,
TIRUCHANOUR
TIRUPATI (A.P)



1.3 Assessment of the Institute

1.3.1 Affiliations

The Institute is affiliated to **Jawaharlal Nehru Technological University, Anantpur (J.N.T.U.A.)**, a State University in Anantapur, Andhra Pradesh, India.

1.3.2 Approvals

- Approved by **All India Council for Technical Education (AICTE)**, New Delhi.
- Approved by **Pharmacy council of India (PCI)**, New Delhi.
- Approved by **Andhra Pradesh State Council of Higher Education (APSCHE)**.

1.3.3 Certification

The Institute has received the following Certifications

- **NIRF** – The College participates in the National Institutional Ranking Framework (NIRF) India Rankings.
- **AISHE** – The code is C- 26878 for the All India Survey of Higher Education.

1.3.4 Accreditation

National Board of Accreditation (NBA) has awarded the Accreditation status to the Institute for the B. Pharmacy course.



PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)

2. Institution overview

2.1 Populace analysis for Academic year 2021 - 2022

2.1.1 Students data

The student data (shared by the College) shows there were a total of **147 male and 478 female students** on the premises.

2.1.2 Staff data

Type	Male	Female	Total
Admin staff	4	3	7
Teaching staff	24	31	55
Non-Teaching staff	5	4	9
Total Staff Members	33	38	71

Table 1: Staff data of the Institution for 2021 - 2022

The staff data shows the premises had a total of **71** Staff Members.

2.2 Populace analysis for Academic year 2020 - 2021

2.2.1 Students data

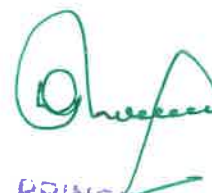
The student data (shared by the College) shows there were a total of **159 male and 465 female students** on the premises.

2.2.2 Staff data

Type	Male	Female	Total
Admin staff	4	3	7
Teaching staff	25	28	53
Non-Teaching staff	5	4	9
Total Staff Members	34	35	69

Table 2: Staff data of the Institution for 2020 - 2021

The staff data shows the premises had a total of **69** Staff Members.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

2.3 Total College Area & College Building Spread Area

The total site area is 5.5 acres & total Built-up area of College is 87,381.42 sq. ft. for around 696 populace footfalls.

2.4 College Infrastructure

2.4.1 Establishment

The College was established in 1997.

2.4.2 Spatial Organisation

The College has ample and wide open classes with facilities appropriate for an educational space. There are open spaces with a beautiful entrance approach. The balance of hardscape and softscape provides a landscape serene ambience. **Overall the Infrastructure of the Building is excellent in terms of the Architecture Design.**

2.4.3 Operation and maintenance of the premises

The data collection session was held with the staff regarding the operation and working hours. The schedule is mentions that the College is working Monday to Saturday with timings being 09:00 hours to 17:00 hours.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

3. Green Building research approach

3.1 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.2 Analysis of the Green Building Study Audit

The procedure included detailed verification for the following:

Energy Audit

- Analysis of the Lights, Fans, AC, Equipment
- Renewable energy
- Scope for reducing the current energy bills if any
- Improvement in the thermal comfort of the premises

Green Audit

- Green initiatives
- Hygiene audit
- Water Audit - Analysis of the current water consumption of campus; Rainwater harvesting and Wastewater treatment on the premises.
- Waste Audit - Current waste produced, its segregation, and usage; Strategies to be adopted for waste management and awareness

Environmental Audit

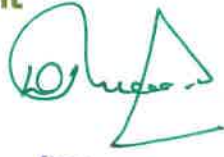
- Analysis of the current landscape + hardscape of the premises
- Analysis of the flora and fauna of the premises
- Strategies adopted at present to enhance vegetation
- Measures that can be adopted for ecological improvement of the premises.

3.3 Strategy adopted for Green Building Study Audit

The strategies included data collection from the admin department, actual inventory, investigation to check the operation and maintenance, analysis of the data collection, and preparation of the Report.

3.4 Activities undertaken for the Green Building Study Audit

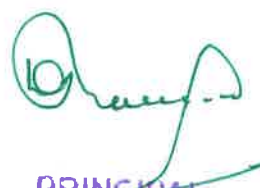
- Allotment and Initiation by the Institute
- Survey of students and staff completed
- Site visit at the Institute
- Submission of the Certificate


 PRINCIPAL
 Sri Padmavathi School of Pharmacy,
 TIRUCHANOOR
 TIRUPATI (A.P)

4. Site features

The following listed features provide facilitative and healthy support to the stakeholders of the premises. The list is documented based on the photographic evidences shared by the team members during the data collection process.

- Availability of the ramps at the entrance of the building.
- Well planned roads for internal traffic and circulation.
- Parking with shed for two-wheelers.
- Shaded areas in the premises due to the huge trees.
- Cleanliness in the premises.
- Health and hygiene facilities for girl and boy students/ staff members.
- State of the art infrastructure.
- Wide corridors equipped with natural ventilation.
- Plantation provision at multiple locations.
- Wide open ground for recreation.
- Medicinal garden
- Scientific name plates on plantations
- Sewage treatment plant



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

5. Ecological (Environmental) Audit

Environment is an essential part for human survival. We co-exist with the environment and it cannot be termed as a separate entity. The Ecological audit helps to understand the flora, fauna that exists and steps that can be taken to improve the same.

To denote if there are problems related to sound in and around the surrounding. In terms of the carbon footprint it helps in keeping a tab on the eco-friendly habits incorporated by the inhabitants of the premises.

Health today is the topmost priority, a general understanding of the initiatives undertaken along with sufficient hygiene practices adopted. Universal design is applicable to all built and unbuilt spaces.

5.1 Open Spaces

There is an open space in the premises used by students at present for sports and cultural gatherings. **There are provisions for natural plantations which have enhanced the beauty of the space.**

5.2 Flora audit

A flora survey was carried out to identify the total numbers of plants and trees. The landscape area has a variety of plantations constituting hundreds of surveyed trees in premises documented as follows.

S. No.	Plant Name	Type	Nos.
1	<i>Desert Rose</i>	Herb	1
2	<i>Insulin Plant</i>	Plant	1
3	<i>Curry Leaves</i>	Plant	1
4	<i>Jasmine</i>	Plant	2
5	<i>Lemon</i>	Plant	2



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

6	Vasa	Plant	3
7	Indian Oil Bonum	Plant	1
8	Sapota	Plant	1
9	Henna	Plant	3
10	Aratichettu	Plant	1
11	Gangireni	Plant	1
12	Tapase	Plant	1
13	Jabarakaaya	Plant	1
14	Kacharamu	Herb	10
15	Bandhuka	Herb	4
16	Peepali	Tree	3
17	Nuxvomica	Tree	1
18	Rowolfia	Plant	1
19	Badhar	Tree	1
20	Olenda	Plant	1
21	Mangifera Indica	Tree	1
22	Mango	Tree	1
23	Coconut	Tree	4
24	Aloe Vera	Tree	5
25	Jetropa	Tree	2
26	Pongame	Tree	2
27	Teku	Tree	2
28	Red Sandal Wood	Tree	1



PRINCIPAL
Sri Padmavathi School of Pharmac
TIRUCHANOOR
TIRUPATI (A.P)

29	Negudo	Tree	1
30	Bullet Wood	Tree	1
31	Parigatam	Tree	1
32	Gupana Chettu	Tree	1
33	Vinca	Plant	1
34	Custurd Apple	Tree	1
35	Tulasi	Plant	1
36	Adivi Nimma	Tree	1
37	Phyllant	Plant	1
38	Oleander	Plant	1
39	Spider Plant	Plant	100
40	Black Board	Tree	41
41	Konda Chinta	Tree	1
42	Alma	Tree	1
43	Teku	Tree	1
44	Chaga	Tree	1
45	Reppla	Tree	1
46	Ashoka Chettu	Tree	1

Table 3: Details of the Flora in the premises

At present, there are 215 nos. plantations on the premises. The overall ambience of premises has lots of plants.

5.3 Noise Audit

On a macro level the College is surrounded by huge farms and minimal residential blocks thus there is a peaceful and noise free arena observed inside the premises.

5.4 Carbon Footprint Audit

5.4.1 Heat Island Reduction

The dense vegetative cover surrounding the premises leads to a lot of shaded area inside the premises. The atmosphere is cool and there are no heat island effects felt.

5.4.2 Outdoor Light Pollution Study

The College compound lights are not upward looking thus, these do not cause light pollution.

5.5 Universally accessible premises

As per World Report on Disability, 2011 there are 180 million approx. Persons with Disabilities that makes it 15% of total population of India.

The College is spread over a huge site admeasuring 5.5 acres; however as far as universal accessibility is concerned there are provisions for ramp as an entrance to the building; toilets for the specially abled.

5.6 Fire Safety

Fire and life safety are an important consideration of the National Building Code 2016. This aspect is touched upon as part of this study in the capacity of an Architect registered with the Council of Architecture. As part of the research, fire safety audit was considered from the 'Building systems' perspective.

We have observed that this section requires a lot of improvement.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

5.7 Section-wise suggestions related to premises

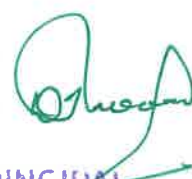
The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission**. The Institute can execute a plan after discussion with Project Head.

5.7.1 Universally accessible premises

- **Provisions for visually impaired - Signages** – In addition to the signages being in regular language there should be additional signages in braille language for the specially-abled students.
- **Provisions for hearing and speech impaired – Sensor based fire system** – There should be smoke detectors, sensor based facilities and signages, floor layouts for emergency situations such as fire. Additionally, one maintenance staff should be allocated for assistance at every corner of the Institute.

5.7.2 Life safety

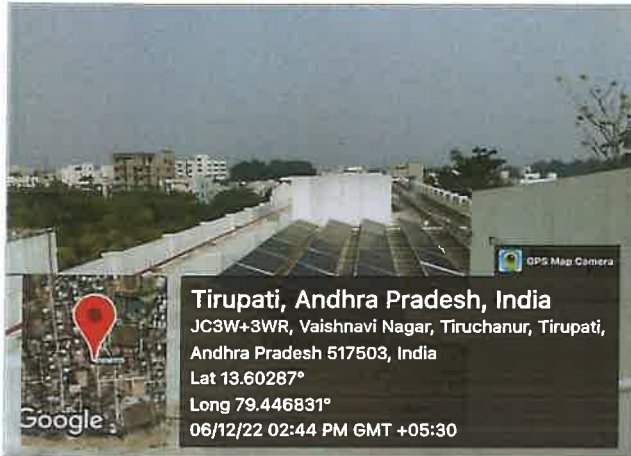
- **Safety for scientific laboratory** – These areas should have sand buckets, ventilators, fire extinguisher as per required grade, fire and life safety notice board.
- **Combustible equipment** - Every space which has a gas cylinder or combustible equipment should have a provision for the barricade around the gas cylinders, appropriate safety board's mentioning 'danger sign' and 'Do not touch' with an additional small fire extinguisher close by.
- **Fire and life safety practices** – Provisions such as signages, fire alarm, smoke detectors, fire hydrant cabinets, sand buckets, hose reel, fire cabinet, fire water tank and fire pump near the entrance block whichever is applicable should be practiced.


 PRINCIPAL
 Sri Padmavathi School of Pharmac
 TIRUCHANOUR
 TIRUPATI (A.P)

On-site verification of the facilities available
Based on the evidences shared by the team



Parking shed for two-wheelers and wide walkways for stakeholders



Roof-top solar panels on site



Water pit on site



Water pit on site and the wash basins



Electronic equipment on site

[Handwritten Signature]
PRINCIPAL

Sh Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)

6. References

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

- ➔ Uniform Plumbing Code – India, 2008
- ➔ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ➔ IGBC Green Landscape Rating system, March 2013
- ➔ BOMA Canada Waste Auditing Guide, Best Environmental Standards, BOMA BEST – Canada
- ➔ Used only for understanding Universal design - Universal accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samartham (National centre for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



Greenvio Solutions I Sustainable Academe I Developing Healthy and Sustainable Environments I sustainableacademe@gmail.com


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

Environment Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2020-2021 and 2021-2022** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Environment Protection and Conservation.

Issued on **Thursday, 09 March 2023** and valid till **March 2024**

Ar. Nahida Abdulla Shaikh

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (Registration. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Nalgonda
An environment Design and Consultancy developing Healthy and Sustainable Enviro
Email: sustainableacademe@gmail.com I greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

GREEN AUDIT

STUDY PERIOD (TWO YEARS) 2020 – 2021 & 2021 – 2022

Srinivas
PRINCIPAL
Sri Padmavathi School of Pharmacy
Mohan Gardens, Vaishnavi Nagar,
Tiruchanoor – 517 503, Andhra Pradesh, India

Sustainability study **AUDIT REPORT**

Studied for
Sri Padmavathi School of Pharmacy
Mohan Gardens, Vaishnavi Nagar,
Tiruchanoor – 517 503, Andhra Pradesh, India

Studied in the capacity of
Accredited Green Building Professional
with the Indian Green Building Council



Studied by

Website: <https://www.greenuvia.com>

Email: greenuvia@gmail.com

Issued on **09 March 2023** and valid till **March 2024**

Background reference image Sasin Tipchai on unsplash

Disclaimer

The Audit Team has prepared this report for the **Sri Padmavathi School of Pharmacy** located at Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions


Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com


Principal
Sri Padmavathi School of Pharmacy,
TIRUCHANOOR
TIRUPATI (A.P.)



Acknowledgement

The Audit Assessment Team thanks the **Sri Padmavathi School of Pharmacy, Andhra Pradesh, India** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Smt. P. Sulochana**, Correspondent; **Sri. P. Praneeth**, Director and everyone from the Management.

Our heartfelt thanks to Chairperson of the entire process **Prof. Dr. D. Ranganayakulu**, Principal for the valuable inputs.

We highly appreciate the assistance of **Mr. G. Jayasuriya Chowdary**, Administrative Officer and the **entire Teaching, Non-teaching and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208



Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

Contents

Disclaimer	1
Acknowledgement	2
Contents.....	3
1. Introduction.....	4
2. Institution overview	6
3. Green Building research approach.....	8
4. Green Practices Audit	9
5. Waste Audit	11
6. Water Audit.....	12
7. Health and Hygiene Audit.....	14
8. References	15

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

1. Introduction

1.1 About the Institute

Sri Padmavathi School of Pharmacy popularly known as SPSP was the first private pharmacy institute to be established in the Rayalaseema region of united Andhra Pradesh. Over the years the institute has grown in all facets and emerged as a centre of excellence in pharmaceutical education due to the relentless efforts of visionary management and committed faculty.

SPSP has become synonymous for quality education, with its state of the art infrastructure, committed faculty and the ambient atmosphere for teaching and learning process. The presence of alumnae of SPSP at higher levels in various sectors of Pharma industry, Regulatory bodies, hospital and Clinical studies, in India and abroad is the testimony for the quality of education and training imparted at SPSP. **It has received the 'Campus preparedness award' as well.**

1.2 Statements of the Institution

1.2.1 Vision

The College "Promotes holistic learning, nurtures ethically strong and highly competent pharmacy graduates to serve the global healthcare system."

1.2.2 Mission

The College adheres and focuses

- To provide innovative and contemporary educational experiences of the highest quality.
- To install ethics, sense of professionalism, communication and leadership skills.
- To promote and nurture the research and scholarly activities.
- To foster entrepreneurship and life-long learning.


PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



1.3 Assessment of the Institute

1.3.1 Affiliations

The Institute is affiliated to **Jawaharlal Nehru Technological University, Anantpur (J.N.T.U.A.)**, a State University in Anantapur, Andhra Pradesh, India.

1.3.2 Approvals

- Approved by **All India Council for Technical Education (AICTE)**, New Delhi.
- Approved by **Pharmacy council of India (PCI)**, New Delhi.
- Approved by **Andhra Pradesh State Council of Higher Education (APSCHE)**.


1.3.3 Certification

The Institute has received the following Certifications

- **NIRF** – The College participates in the National Institutional Ranking Framework (NIRF) India Rankings.
- **AISHE** – The code is C- 26878 for the All India Survey of Higher Education.

1.3.4 Accreditation

National Board of Accreditation (NBA) has awarded the Accreditation status to the Institute for the B. Pharmacy course.


 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)

2. Institution overview

2.1 Populace analysis for Academic year 2021 - 2022

2.1.1 Students data

The student data (shared by the College) shows there were a total of **147 male and 478 female students** on the premises.

2.1.2 Staff data

Type	Male	Female	Total
Admin staff	4	3	7
Teaching staff	24	31	55
Non-Teaching staff	5	4	9
Total Staff Members	33	38	71

Table 1: Staff data of the Institution for 2021 - 2022

The staff data shows the premises had a total of **71** Staff Members.

2.2 Populace analysis for Academic year 2020 - 2021

2.2.1 Students data

The student data (shared by the College) shows there were a total of **159 male and 465 female students** on the premises.

2.2.2 Staff data

Type	Male	Female	Total
Admin staff	4	3	7
Teaching staff	25	28	53
Non-Teaching staff	5	4	9
Total Staff Members	34	35	69

Table 2: Staff data of the Institution for 2020 - 2021

The staff data shows the premises had a total of **69** Staff Members.


PRINCIPAL

Sri Padmavathi School of Pharmac,
TIRUCHANOOR
TIRUPATI (A.P)

2.3 Total College Area & College Building Spread Area

The total site area is 5.5 acres & total Built-up area of College is 87,381.42 sq. ft. for around 696 populace footfalls.

2.4 College Infrastructure

2.4.1 Establishment

The College was established in 1997.

2.4.2 Spatial Organisation

The College has ample and wide open classes with facilities appropriate for an educational space. There are open spaces with a beautiful entrance approach. The balance of hardscape and softscape provides a landscape serene ambience. **Overall the Infrastructure of the Building is excellent in terms of the Architecture Design.**

2.4.3 Operation and maintenance of the premises

The data collection session was held with the staff regarding the operation and working hours. The schedule is mentions that the College is working Monday to Saturday with timings being 09:00 hours to 17:00 hours.


 PRINCIPAL
 Sri Padmavathi School of Pharmacy,
 TIRUCHANOOR
 TIRUPATI (A.P.)

3. Green Building research approach

3.1 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.2 Analysis of the Green Building Study Audit

The procedure included detailed verification for the following:

Energy Audit

- Analysis of the Lights, Fans, AC, Equipment
- Renewable energy
- Scope for reducing the current energy bills if any
- Improvement in the thermal comfort of the premises

Green Audit

- Green initiatives
- Hygiene audit
- Water Audit - Analysis of the current water consumption of campus; Rainwater harvesting and Wastewater treatment on the premises.
- Waste Audit - Current waste produced, its segregation, and usage; Strategies to be adopted for waste management and awareness

Environmental Audit

- Analysis of the current landscape + hardscape of the premises
- Analysis of the flora and fauna of the premises
- Strategies adopted at present to enhance vegetation
- Measures that can be adopted for ecological improvement of the premises.

3.3 Strategy adopted for Green Building Study Audit

The strategies included data collection from the admin department, actual inventory, investigation to check the operation and maintenance, analysis of the data collection, and preparation of the Report.

3.4 Activities undertaken for the Green Building Study Audit

- Allotment and Initiation by the Institute
- Survey of students and staff completed
- Site visit at the Institute
- Submission of the Certificate


 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)

4. Green Practices Audit

The increasing global warming and climate change have made us realise that apart from the enormous strategies the individual small efforts need to be taken by individuals and Educational Institutes as the younger generations are the future of the world and once they are taught about these practices only then can we assume a better future.

4.1 Green practices

We observed the following points during the Site investigation and data verification of the premises; these are common for all the Buildings on the premises.

- **Fresh environment** – *The College provides an eco-friendly ambience with fresh air and soothing environment which helps to maintain a physical and mental balance. This kind of a space it a must for an educational specially technical institute which is inviting and gives the stakeholders an opportunity to explore indoor and outdoor learning to a great extent.*
- **Energy management** – *The premises has access to renewable energy which enables the campus to harness natural solar light and use it. Owing to this feature the College receives a bill of Rs. 1,000- 2,000/- per month which is very reasonable.*
- **Team work** – *The College has very cooperative staff members; for a building the foundation plays the most important role for its future similarly for an educational institute its staff members do.*
- **Drug Information Centre** – *The College has a dedicated centre related to the medicines information being a Pharmacy Institute this is a good initiative.*
- **Infrastructure** – *The College has facilities such as ICT enabled class, laboratories, computer centre, guest house, battery operated vehicles and provisions.*



PRINCIPAL

Sri Padmavathi School of Pharmac
TIRUCHANOOR
TIRUPATI (A.P)



4.2 Community development

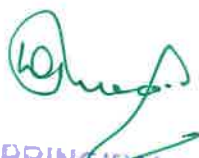
The College conducts environmental initiatives through its active NSS team these include:

- Vaccination drives
- Seminars
- Fire safety mock drills
- Webinar and seminars

4.3 Section-wise recommendations related to 'Green practices'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

- **Increase the plantations on the premise** - There can be provision for more plantations on the premise maybe even a Kitchen garden facility.
- **Plant as a gift** - As a kind gesture, the guests visiting the premise can be asked to plant a small plant on the premise itself and they can be even given plants/bouquets from the flowers of the plants on the premise as a gift.
- **Environmental awareness** - There can be various artworks on the compound wall giving the message of saving the environment through the joint efforts of the students and staff thereby making the student socially and environmentally responsible citizens.
- **Increase the organic farming practices** - The premises can have an organic farming facility in terms of farms, kitchen, terrace gardens the produce can be directly utilised in the premises.


 PRINCIPAL
 Sri Padmavathi School of Pharmac;
 TIRUCHANOOR
 TIRUPATI (A.P)



5. Waste Audit

Waste is an inevitable part of our lives. Over the years the awareness about waste management techniques has given a rise to rethink how the waste can be avoided being sent to the landfills. The audit provides an approximation of the types of waste generated, location of waste collections, disposal techniques used, waste segregation methodologies adopted, and waste management strategies that are implemented in addition to the newer ways that can be adopted aiming to make the premise clean and sustainable. Here sustainability refers to a broader aspect to analyse whether the current techniques are having a positive or negative effect on the stakeholders of the premises.

5.1 Waste produced

At present, based on the observations we could analyse there are no specific measures practiced; however we have guided the team through interview sessions to undertake certain practices.



5.2 Bins summary

There are 22 Dustbins on the premises with a volume of more than 10-15 liters (medium sized bins). The material of the bins is plastic.

5.3 Section-wise recommendation related to 'waste audit'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

- **Twin Dual Litter Dustbin Bins** - There should be more number of dual litter dustbins. This would inculcate the awareness of waste segregation among students.
- **Cutlery in the Canteen** – The regular plastic and steel plates, and spoons used in Canteen can be replaced with eco-friendly and organic leaves, paper straws, disposable plates, edible spoons, and tables made out of sugarcane waste or bamboo.


 PRINCIPAL
 Sri Padmavathi School of Pharmac
 TIRUCHANOOR
 TIRUPATI (A.P)


6. Water Audit

Water is one of the basic needs. Pure drinking water is a resource that needs to be preserved efficiently. A water audit helps to identify the sources of water consumption, and the water requirement by the premises is met by these sources.

The points and effective usage without any wastage. Understanding the techniques which are best suited to the site to increase water conservation in terms of awareness and practice.

6.1 Water availability and consumption

6.1.1 Source of Primary water supply

The College requires water from the Local Municipality for drinking water purposes. There are water tanks used for primary drinking water and connected to secondary usage as well.

6.1.2 Source of Secondary water supply

The college uses the following sources of water supply for secondary usages such as watering plants, kitchen, toilets, and wash basins connected to the labs and other spaces. The specific source at present are bore well which is available on the site. However, since the premise is a shared campus the facility is availed equally by all the Institutes in the premises.

6.1.3 Source of Tertiary water supply

The tertiary source of water is the additional source of water harvesting. At present there is natural rain water harvesting practiced by soaking the natural rainwater on the ground and helping to recharge the ground water table.

6.1.4 Source of Reusing waste water

The Waste water of the premises is treated in the sewage treatment plant available in the premises.

6.2 Water requirement

The main areas of water requirement and type of usage are as follows

- **Drinking water** – Consumption of around 2,000 liters of water through RO water plant available on the premise, the taps, and water cooler.
- **Toilet blocks**– General usage by occupants in toilets, urinals, bathrooms, and washbasins using approx. 1,000 liters of water daily
- **Cleaning of the premises** – The entire Institution is very well maintained concerning hygiene and cleaning is one of the major uses of water requirement. The toilet areas are cleaned twice daily.

6.3 Areas of water usage

Based on the inventory done and data shared by the staff it was found that the premise has the following facilities:

- Toilets – 6 Nos.
- Washbasins – 38 Nos.
- Taps (Indoors) – 38 Nos.
- Taps (Indoors) – 6 Nos.

As per the data shared by the College and on-site observation, it was noted that there is no water wastage of water in the form of Cleanliness of toilets.

6.4 Recommendations for a Sustainable Habitat

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

- **Rain water bunds** – There should be landscape beautification project undertaken to appropriate channelize the rain water through bunds and similar facilities.
- **Waterless urinals** - There can be the provision of waterless urinals as a Green Building initiative in the premise, either the existing ones can be replaced with such a facility or new toilets can be constructed in this manner.


 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHENAI
 TIRUPATI (A.P.)


7. Health and Hygiene Audit

The hygiene is a part and parcel of our daily life. It is extremely essential to keep the surroundings clean in the same manner as we would want our houses to be. Educational Institutes have a bigger role to play in order to affect the young minds in the positive manner through better hygienic practices.

7.1 Facilities available

The Institution has washroom facility, hand wash, drinking water and dustbin facilities in the premises.

7.2 Smoke Exposure

The Institution is a tobacco and smoke free premises which helps in adapting to a Healthy Institution

7.3 Hygiene

The staffs keep a regular check about the operation and maintenance of the equipments each floor. Water management initiative with appropriate hygiene is undertaken.

7.4 Section-wise recommendation related to 'Health and hygiene audit'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

- **Signboards** – The Institute should have multiple signboards about 'No smoking' and 'Healthy premises' at every nook and corner of the Institute.
- **Compound wall** – The compound wall should have awareness messages about 'No Smoking' and 'No Tobacco'
- **Sanitary vending and incinerator** - There should be provision for sanitary vending, incinerator machine and incinerator in every ladies common room, and toilet on the premises.


 PRINCIPAL
 Sri Padma School of Pharmacy
 TIRUPATI (A.P.)
 Greenview
 TIRUPATI (A.P.)

On-site verification of the facilities available
Based on the evidences shared by the team



Parking shed for two-wheelers and wide walkways for stakeholders



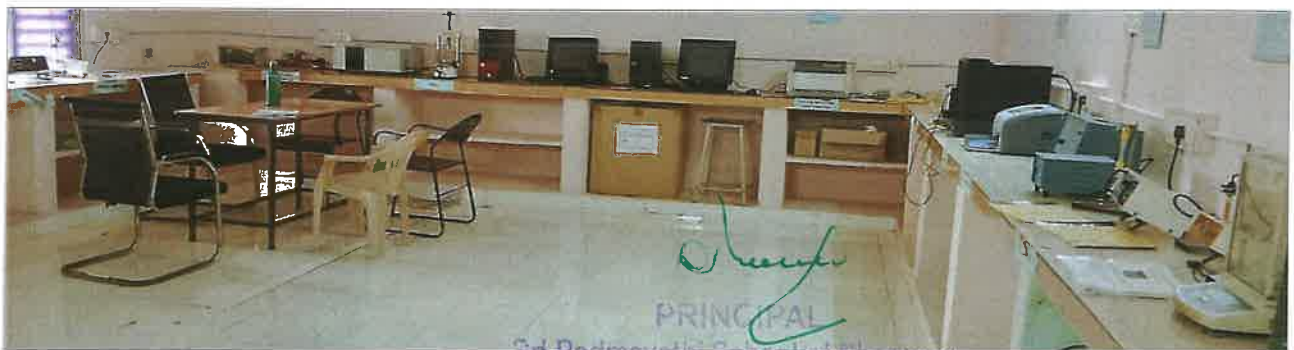
Roof-top solar panels on site



Water pit on site



Water pit on site and the wash basins



Electronic equipment on site
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)

8. References

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

- ➔ Uniform Plumbing Code – India, 2008
- ➔ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ➔ IGBC Green Landscape Rating system, March 2013
- ➔ BOMA Canada Waste Auditing Guide, Best Environmental Standards, BOMA BEST – Canada
- ➔ Used only for understanding Universal design - Universal accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samartham (National centre for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation.



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



Greenvio Solutions I Sustainable Academe I Developing Healthy and Sustainable Environments I sustainableacademe@gmail.com


PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

GV/GA/03-23/ 149

Green Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2020-2021 and 2021-2022** to the Esteemed Institution
(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor ~ 517 503, Andhra Pradesh, India

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Efficient Management of Premise.

Issued on **Thursday, 09 March 2023** and valid till **March 2024**

Ar. Nahida Abdulla Shaikh

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (Registration. No. 22/718)



Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvivo Solutions, Nalgonda

An environment Design and Consultancy developing Healthy and Sustainable Environment

Email: sustainableacademe@gmail.com | greenvivosolutions@gmail.com



Website: <https://thegreenvivosolutions.co.in/>

PRINCIPAL
Sri Padmavathi School of Pharmacy,
TIRUCHANOOR
TIRUPATI (A.P)

Energy Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2020-2021 and 2021-2022** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Issued on **Thursday, 09 March 2023** and valid till **March 2024**


Ar. Nahida Abdulla Shaikh

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (**Registration. No. 22/718**)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigaon

An environment Design and Consultancy developing Healthy and Sustainable Environments

Email: **sustainableacademe@gmail.com** I **greenviosolutions@gmail.com**



Website: <https://thegreenviosolutions.co.in/>

Environment Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2020-2021 and 2021-2022** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Environment Protection and Conservation.

Issued on **Thursday, 09 March 2023** and valid till **March 2024**


Ar. Nahida Abdulla Shaikh

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (**Registration. No. 22/718**)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigach

An environment Design and Consultancy developing Healthy and Sustainable Environment

Email: **sustainableacademe@gmail.com** I **greenviosolutions@gmail.com**



Website: <https://thegreenviosolutions.co.in/>

Green Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2020-2021 and 2021-2022** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Efficient Management of Premise.

Issued on **Thursday, 09 March 2023** and valid till **March 2024**


Ar. Nahida Abdulla Shaikh

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (**Registration. No. 22/718**)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigao

An environment Design and Consultancy developing Healthy and Sustainable Environment

Email: sustainableacademe@gmail.com I greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

Date: 17 March 2023

Ref no: LA/17/03/68

Letter of Appreciation

For

**Implementing the recommendations suggested during the
Green, Energy and Environment Audit Process**

Awarded to

Sri Padmavathi School of Pharmacy

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor – 517 503, Andhra Pradesh, India

With reference to the above cited subject we appreciate the efforts of the Institute's in **implementing the activity of printing and putting up awareness posters related to Waste, Water, Save Environment, Plastic awareness**. The Institute's has printed these and put them at appropriate locations in the premise.

We hope the Institute's continues similar efforts in the future as well. We have attached some of the photographic evidences in this letter.

Best regards,

Ar. Nakul Shankh

Project Head and Green Building Consultant

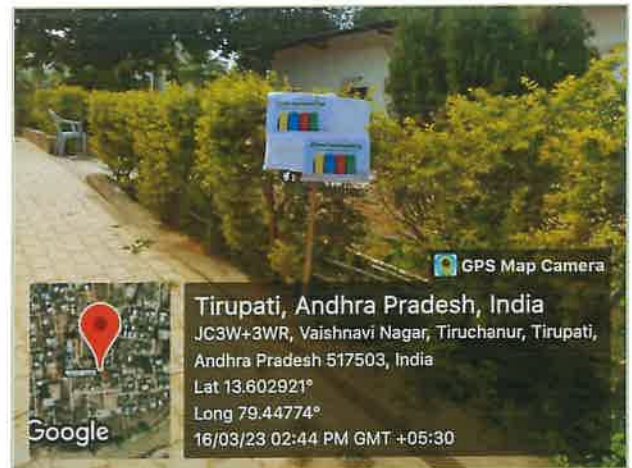
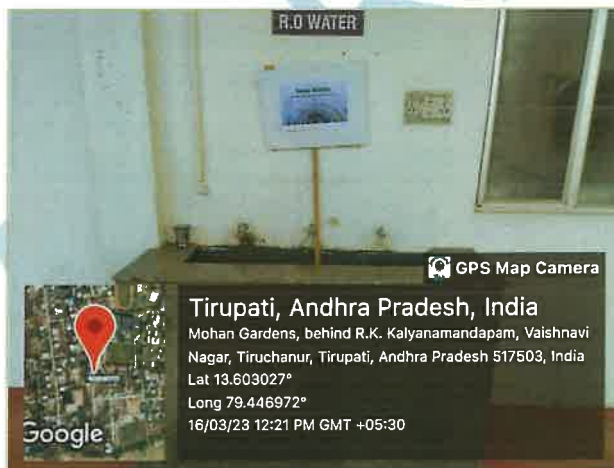
Sustainable Academe

Sustainability Department of Greenvio Solutions, Naigaon

An environment Design and Consultancy developing Healthy and Sustainable Environments

sustainableacademe@gmail.com | greenviosolutions@gmail.com

Note: These photographic evidences were shared by the Institute's post the suggestion given to the Institute.



[Signature]

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)