

# ENVIRONMENT AUDIT

STUDY PERIOD (TWO YEARS) 2021 – 2022 AND 2022 – 2023

Sustainability study

## RENEWAL AUDIT REPORT

Studied for

**Sri Padmavati Mahila Visvavidyalayam**

Govt. State Level University

Recognized by UGC (Under the act of 1956)

Studied in the capacity of

Accredited and Certified

Green Building Professional



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

Email: [greenviosolutions@gmail.com](mailto:greenviosolutions@gmail.com)

Valid till **31 March 2024**

# Disclaimer

The Audit Team has prepared this report for the **Sri Padmavati Mahila Visvavidyalayam** located at NTR Marg, Padmavathi Nagar, Tirupati – 517 502, Andhra Pradesh, India based on input data submitted by the University and analyzed 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 a 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 University. 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 while 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 an Accredited and Certified Green Building Professional. 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 incapacity of an 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](mailto:sustainableacademe@gmail.com)

## Acknowledgment

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

Our heartfelt thanks to Chairperson of the entire process **Prof. Tripura Sundari**, Director, IQAC-SPMVV and **Prof. T. Kumar**, Convenor of the process for the valuable inputs.

Our special thanks are due to **Prof. M. Aruna**, Dept. of Law; **Prof. T.G.Amuthavalli**, Dept. of Education; **Prof. R. Jaya Madhuri**, Dept. of Microbiology; **Prof. A. Sridevi**, Institute of Pharmaceutical Technology; **Ms. M. Mohini**, Assistant Engineer-II (Civil) Engineering section and **Mr. M. Anand**, Assistant Engineer (Electrical) Engineering section.

We highly appreciate the assistance of 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

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RENEWAL REPORT

# 1. Introduction

## 1.1 About the Institute

**Sri Padmavati Mahila Visvavidyalayam (University for Women) was founded in the year 1983** by Sri N.T.Rama Rao, the then Chief Minister of Andhra Pradesh, with the fervent desire to train women students as better builders of the Nation and to inculcate skills of leadership in all aspects of life.

The University was established under the Sri Padmavati Mahila Visvavidyalayam Act of 1983, which has come into force on the 14 of April 1983. It was started with ten faculties and 300 students and twenty staff members. Today the University has a student population nearly 4,000 and an academic staff of 105 and 131 academic consultants.

This year the University has 59 courses at the post-graduate and undergraduate level and a good component of research. The campus has the necessary buildings to run its academic programmes and administrative machinery.

There are separate buildings for **Humanities and Sciences, University Administration, Central Library, University Auditorium, Sericulture Complex, and School of Pharmaceutical Sciences** and also an independent building for **Computer Science, Business Management and Engineering College.**

## 1.2 Assessment of the Institute

The University is recognized as a State University as documented below:

### 1.2.1 University Act

It was established under the **Andhra Pradesh Act under 16, 1983, as amended by Act No. 17 of 1985** and was thus established as The University was established under the Sri Padmavati Mahila Visvavidyalayam Act of 1983.

### 1.2.2 Recognitions

The courses provided are recognized by Govt. of India's **University Grant Commission (UGC) sections 2(f) and 12(b) respectively.**

### 1.2.3 Certification

The University has received the following Certifications.

- The University received the **ISO 9001:2015 Certification** for providing Educational Services by M/s HYM International Certifications Pvt. Ltd.
- In the **NIRF rankings**, Sri Padmavati Mahila Visvavidyalayam (SPMVV) in Tirupati retained its rank band 151-200 for University category

### 1.2.4 Accreditation

The following are details of the reaccreditation of the University.

Cycle	First	Second	Third	Fourth
<b>CGPA</b>	-	2.51	3.11	3.38
<b>Grade</b>	Four Star	B	A	A+
<b>Year</b>	2002	2010	2016	2023

*Table 1: NAAC Accreditation details of the University*

### 1.2.5 Approval

The details of the significant approvals are as follows:

S. No.	Institute/ Department	Approval	Since
<b>1</b>	Institute of Pharmaceutical Technology	<b>Pharmacy Council of India (P.C.I)</b> A statutory body of government of India constituted under the Pharmacy Act, 1948, responsible for regulation of pharmacy education and practice of profession in the country for registration as a pharmacist.	2000
<b>2</b>	Department of Law	<b>Bar Council of India (B.C.I)</b> A statutory body established under the section 4 of Advocates Act 1961 that regulates the legal practice and legal education in India.	2015
<b>3</b>	Department of Education	<b>National Council for Teacher Education (N.C.T.E)</b> A statutory body in pursuance of the National Council for	1996

		Teacher Education Act, 1993	
<b>4</b>	B.Ed Special Education	<b>Rehabilitation Council of India (RCI)</b> The apex government body, set up under an Act of Parliament, to regulate training programmes and courses targeted at disabled, disadvantaged, and special education requirement communities.	1989
<b>5</b>	School of Engineering & Technology	<b>All India Council for Technical Education (AICTE)</b> A national-level Apex Advisory Body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner.	2009
<b>6</b>	School of Nursing	The University has the approval of Andhra Pradesh Government, State Nursing Council and Indian Nursing Council, New Delhi for the G.N.M. Course offered	2013

*Table 2: Details of the various Approvals of the Institute*

### **1.3 Site Area & Building Spread Area**

The **total site area is 130 Acres** and the **total Built-up area of University is 8,18,750 sq. ft.**

### **1.4 Timeline of activities for research**

As the University had undergone a renewal for the Academic year 2021-2022 and 2022-2023, data collection processes for verification purposes were asked to be submitted.

- Discussion with the University
- Allotment and Initiation by the University
- Process discussion with team
- Data submitted by University
- Submission of the files

## 2. Compliance

The compliance study was carried out through investigative ways. This was done to understand the **extent of suggestions and their implementations based on previous report of Academic years 2019-2020 and 2020-2021.**

### 2.1 Comparative analysis

The details of the suggestions are based on the **Original Report dated 14 January 2022** is further documented below. It is based on the data collection process.

S. No.	Recommendation	Status
1.	Air purifier plants, native plants that encourage pollinators	Areca Palms, Snake palms, Money plants, Chinese Evergreens, Spider plants, Aloe Vera, Broad Lady Palms, Weeping Figs, Rubber Plants are planted huge in number in front of all indoor corridors of departments in all the buildings  Banyan, Indian beech, Mango and Tamarind trees are planted all over the outdoor of the university
2.	Trees that can grow tall to help birds for their livelihood	Neem trees, Bamboo, Banyan trees are available spread across all major buildings in the campus.
3.	Birds for their livelihood in the campus	The diverse green cover of SPMVV is home to 102 species of birds
4.	Bird House	There are no such bird houses kept exclusive but the lush landscapes and productive gardens attract and entice birds in the campus
5.	Day Care Centre	DCC provides absolutely clean and eco-friendly to the kids of teaching and non-teaching staff, research scholars and students. It has a kitchen with microwave cooking facility and the organic food is served to the children.
6.	Bicycles	67 Bicycles are issued to the students pulsing the need for convenient transport facility.



<b>7.</b>	Signages in Braille language	Braille software is installed in the library for the benefit of visually challenged students.
<b>8.</b>	Environment courses	Separate course papers are offered in the departments of English, Botany, Zoology, Biotechnology and Microbiology and almost all the Post Graduate programs have Units of syllabus on environmental education.
<b>9.</b>	Widening internal roads	Internal roads are sufficiently widened
<b>10.</b>	Appointment of gardeners	University takes housekeeping contracts with Sulabh, NGO for day today cleaning, gardening and maintenance activities
<b>11.</b>	Plantations on both side of roads including pathways	Plantations are there on both sides of internal roads including pathways leading to different blocks of the campus

*Table 3: Details of the compliance study*


RENEWAL RE

### 3. Evidences

The information shared by the Institute to support the documentations are listed below:

**SRI PADMAVATI MAHILA VISVAVIDYALAYAM: TIRUPATI**  
(Women's University)  
DEPARTMENT OF PHYSICAL EDUCATION

**Prof. G. Sarah Sarojini**  
Head




Ph: 0877-2284523 Cell: 8897907806  
Email: sarahsarof@gmail.com

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**NUMBER OF BICYCLES AVAILABLE IN THE CAMPUS**  
**(2021-2022; 2022-2023)**

S.No	NAME OF THE DEPARTMENT	ISSUED
1.	DEAN OF SCIENCE OFFICE	01-10
2.	DEAN OF ARTS OFFICE	11-19 & 67
3.	DEPARTMENT OF SERICULTURE	21-30
4.	INSTITUTE OF PHARMACEUTICAL TECHNOLOGY	41-50
5.	SCHOOL OF ENGINEERING & TECHNOLOGY	51-65
6.	WELLNESS CENTER	31-40 & 66
TOTAL NUMBER OF BICYCLES		67

  
 (HEAD) 12/4/2023  
 HEAD  
 Dept. of Physical Education  
 Sri Padmavati Mahila Visvavidyalayam  
 (Women's University)  
 TIRUPATI - 517 502

**Plate 1: Details of the bicycles in the premises**



**SRI PADMAVATI MAHILA VISVAVIDYALAYAM;TIRUPATI  
(WOMEN'S UNIVERSITY)**

Fire Extinguisher's list for College buildings , Hostels, Sub Station – I & II in Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati.

S.NO	Name of the Building	4 Kgs	2 Kgs	Total
1	Kinnera block	2	1	3
2	Kalyani block	2	1	3
3	A Mess Dinning block	2	1	3
4	Gowthami block	1	1	2
5	Gangothri block	1	1	2
6	B Mess Dinning block	2	—	2
7	Sravanthi block	1	1	2
8	Gayathri block	1	1	2
9	C Mess Dinning block	2	—	2
10	C Mess Kitchen	2	—	2
11	Manjeera block	2	1	3
12	Godavari block	2	—	2
13	Swarnamukhi block	2	—	2
14	Security room - I	1	—	1
15	Security room - II	1	—	1
16	Administrative building	4	2	6
17	Engineering college	40	5	45
18	Computer Centre	2	—	2
19	Physics Department	2	—	2
20	B-Pharmacy	6	—	6
21	Saaveri Guest House	3	—	3
22	V.C Residence	2	1	3
23	Indira Priyadarshini Auditorium	7	—	7
24	Library building	2	—	2
25	Nursing College	1	1	2
26	Humanities Block-I	4	1	5
27	Humanities Block-II	4	—	4
28	Physical Education	2	—	2
29	Sericulture	1	1	2
30	Science block-I	6	1	7
31	Science block-II	2	—	2
32	Science block-III	2	—	2
33	Health Centre	1	1	2
34	Animal House	1	—	1
35	Sub Station- I	2	2	4
36	Sub Station- II	2	2	4
	<b>Total Nos</b>	<b>120.00</b>	<b>25.00</b>	<b>145.00</b>



*[Handwritten Signature]*  
18/04/22  
A 2 (AG)  
Assistant Engineer (Etc.)  
SPMVV, TIRUPATI

*[Handwritten Signature]*  
18/04/22  
Deputy Executive Engineer (Etc.)  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM  
TIRUPATI-517 502

*[Handwritten Signature]*  
18.4.22  
REGISTRAR  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM  
(WOMEN'S UNIVERSITY)  
TIRUPATI-517 502

**Plate 2: Details of the fire extinguishers in the premises**

## 4. Inferences

### 4.1 Section-wise recommendations

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.

#### 4.1.1 Site beautification

**Nutrition pits** - Certain pits can be demarcated as 'Nutrition pits' where the organic food from the kitchen and Canteen fruit peels and fruits or vegetables can be degraded for making nutrition-rich soil.

#### 4.1.2 Heat island reduction

- ➔ **Cool rooftops** - It is suggested that the Institute gets the Terrace roofs painted with Cooltop as it will help reduce the temperature of the spaces.
- ➔ **Shaded area for walkways** – There should be provisions for shaded walkways and also resting/ breakout zones. A sample of the same is as follows:



**Plate 3: Shade structures concept for the Institute (For reference purpose only)**

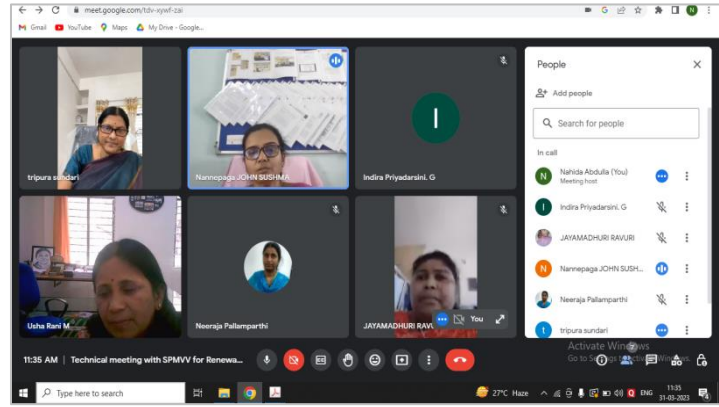
Source: Image by <https://earthbound.report/2021/07/14/5-ways-to-reduce-the-urban-heat-island-effect/>

### 4.1.3 Universally accessible premises

- ➔ **Universal Toilet** - There should be a minimum of 1 toilet in every block for the specially-abled people as per guidelines prescribed by the National Building Code 2016.
- ➔ **Provisions for visually impaired - Tactile flooring** – The indoor and outdoor of the premises should have dedicated tactile flooring for the visually impaired.
- ➔ **Provisions for visually impaired - Audio Visual Section** – There should be dedicated section for their visually impaired students to listen to the audio books; Abrar the audio book reader should be available.
- ➔ **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.

### 4.1.4 Life safety

- ➔ **Fire station**
- ➔ **Mandate fire extinguisher in spaces** - One fire extinguisher should mandatorily be there in every space which has an air conditioner/ gas cylinder.
- ➔ **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.
- ➔ **Sensitization programs** - Regular seminars/ webinars by experts such as Architects, Govt. Fire department on subjects related to fire and life safety should be organized and the outputs should be adopted and documented.



Core team working on site and in discussion with external team



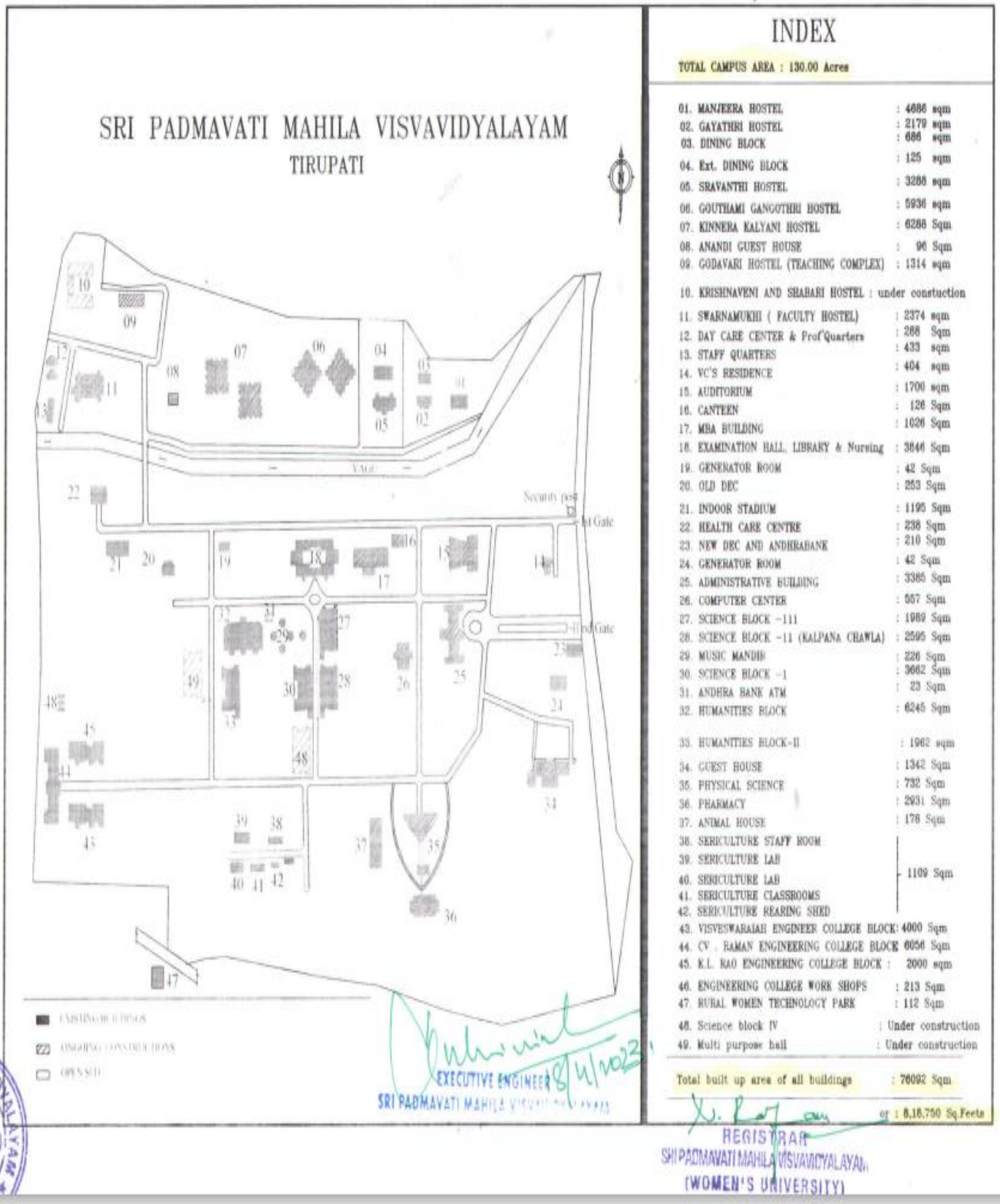
Enhanced green cover in the site



Facilities such as Library, Ground and Auditorium among many others



Social upliftment initiatives by the NSS Team



### INDEX

TOTAL CAMPUS AREA : 130.00 Acres

01. MANJEERA HOSTEL	: 4886 sqm
02. GAYATHRI HOSTEL	: 2179 sqm
03. DINING BLOCK	: 686 sqm
04. Ext. DINING BLOCK	: 125 sqm
05. SRAVANTHI HOSTEL	: 3288 sqm
06. GOUTHAMI GANGOTRI HOSTEL	: 5936 sqm
07. KINNERA KALYANI HOSTEL	: 6286 Sqm
08. ANANDI GUEST HOUSE	: 96 Sqm
09. GODAVARI HOSTEL (TEACHING COMPLEX)	: 1314 sqm
10. KRISHNAVENI AND SHABARI HOSTEL	: under construction
11. SWARNAMUKHI ( FACULTY HOSTEL)	: 2374 sqm
12. DAY CARE CENTER & Prof/Quarters	: 288 Sqm
13. STAFF QUARTERS	: 433 sqm
14. VC'S RESIDENCE	: 404 sqm
15. AUDITORIUM	: 1700 sqm
16. CANTEN	: 126 Sqm
17. MBA BUILDING	: 1026 Sqm
18. EXAMINATION HALL, LIBRARY & Nursing	: 3846 Sqm
19. GENERATOR ROOM	: 42 Sqm
20. OLD DEC	: 253 Sqm
21. INDOOR STADIUM	: 1195 Sqm
22. HEALTH CARE CENTRE	: 236 Sqm
23. NEW DEC AND ANDHRABANK	: 210 Sqm
24. GENERATOR ROOM	: 42 Sqm
25. ADMINISTRATIVE BUILDING	: 3385 Sqm
26. COMPUTER CENTER	: 557 Sqm
27. SCIENCE BLOCK -111	: 1989 Sqm
28. SCIENCE BLOCK -11 (KALPANA CHAWLA)	: 2595 Sqm
29. MUSIC MANDIR	: 228 Sqm
30. SCIENCE BLOCK -1	: 3682 Sqm
31. ANDHRA BANK ATM	: 23 Sqm
32. HUMANITIES BLOCK	: 6245 Sqm
33. HUMANITIES BLOCK-II	: 1982 sqm
34. GUEST HOUSE	: 1342 Sqm
35. PHYSICAL SCIENCE	: 732 Sqm
36. PHARMACY	: 2931 Sqm
37. ANIMAL HOUSE	: 178 Sqm
38. SERICULTURE STAFF ROOM	
39. SERICULTURE LAB	
40. SERICULTURE LAB	: 1109 Sqm
41. SERICULTURE CLASSROOMS	
42. SERICULTURE REARING SHED	
43. VISVESWARAJAH ENGINEER COLLEGE BLOCK	: 4000 Sqm
44. CV . RAMAN ENGINEERING COLLEGE BLOCK	: 6056 Sqm
45. K.L. RAO ENGINEERING COLLEGE BLOCK	: 2000 sqm
46. ENGINEERING COLLEGE WORK SHOPS	: 213 Sqm
47. RURAL WOMEN TECHNOLOGY PARK	: 112 Sqm
48. Science block IV	: Under construction
49. Multi purpose hall	: Under construction

Total built up area of all buildings : 78092 Sqm

or : 8,18,750 Sq.Feet



*[Signature]*  
EXECUTIVE ENGINEER  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM

*[Signature]*  
REGISTRAR  
SRI PADMAVATI MAHILA VISVAVIDYALAYAM  
(WOMEN'S UNIVERSITY)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

*An Autonomous Institution of the University Grants Commission*

## *Certificate of Accreditation*

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
Sri Padmavati Mahila Visuavidyalayam  
Padmavathi Nagar, Tirupati, Andhra Pradesh as  
Accredited  
with CGPA of 3.11 on seven point scale  
at A grade  
valid up to September 15, 2021*

*Date : September 16, 2016*



*DP Singh*  
Director





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद  
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
*An Autonomous Institution of the University Grants Commission*

## *Certificate of Accreditation*

*The Executive Committee of the  
National Assessment and Accreditation Council  
is pleased to declare  
Sri Padmavati Mahila Viswavidyalayam  
Padmavati Nagar, Tirupati, Dist. Chittoor, Andhra Pradesh as  
Accredited  
with CGPA of 3.38 on four point scale  
at A\* grade  
valid up to January 02, 2028*

*Date : January 03, 2023*



*S. C. Sene*  
Director

BC/SC/138/4<sup>th</sup> Cycle/APUNGN10054



# Certificate

**HYM International Certifications Pvt. Ltd.**

Certified that the Quality Management System of

**SRI PADMAVATI MAHILA VISVAIDYALAYAM**

NTR Marg, Padmavathi Nagar, Tirupati - 517 502,  
Andhra Pradesh, India

has been assessed and found to be in accordance with the requirements of the quality standards

# ISO 9001 : 2015

for the following scope of certification


## PROVIDING EDUCATIONAL SERVICES

Further information about the scope of this certificate and applicability of ISO 9001 : 2015 requirements may be obtained by consulting the organization.

Issue Date : 22/03/2021

1st Surveillance 21/03/2022 

Renewal Date : 21/03/2024

2nd Surveillance 21/03/2023 



Authorised Signature

Certificate No : **Q91864141910**

HYM International Certifications Pvt. Ltd

**NOTE: This Certificate is Valid From 21/03/2023 to 21/03/2024**

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies [Europe] Limited who have assessed M/s.HYM International Certifications Pvt. Ltd. against defined criteria and in cognizance of ISO 17021:2015 "Conformity Assessment - Requirements for bodies providing audit and Certification of management Systems".

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E-mail: [siva@hymcertifications.com](mailto:siva@hymcertifications.com), Website: [www.hymcertifications.com](http://www.hymcertifications.com)

## 5. Compilation

The study is based on the data collected, analysed, 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 analyse 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 Samarthyam (National center for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation and [www.umassd.edu](http://www.umassd.edu)
- ➔ The city of Cheyenne, Streetscape/ Urban Design elements - Wyoming Planning Association, Gillette, Wyoming, United States
- ➔ Images on site by Coordinators of the both teams

