

GREEN AUDIT REPORT

2022-2023



**Samskruti college of pharmacy:: Ghatkesar
Kondapur, Ghatkesar, Telangana**

Accredited by NAAC

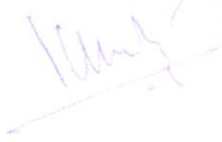
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Green Audit Assessment Team



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EMS/EnMS**



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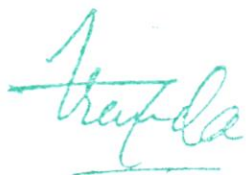


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INTRODUCTION



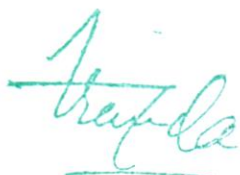
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INTRODUCTION

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is an important process for any college or institution to determine how and where they are using the most energy or water or other resources; based on which the college can then consider how to implement changes and make savings. It can create health consciousness and promote environmental awareness, values and ethics. It provides the staff and students a better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it can also be stated that institutional self-enquiry is a natural and necessary outgrowth of any quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is becoming more prevalent.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric CO₂ from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through carbon footprint reduction measures.



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OBJECTIVES



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OBJECTIVES

In recent time, the Green Audit of an institution has been becoming a paramount importance for self- assessment of the institution which reflects the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep our environment clean since its inception. Therefore, the purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green audit are:

- To map the geographical location of the institution.
- To document the floral and faunal diversity of the college.
- To record the meteorological parameter of SCOP where the college is situated.
- To document the ambient environmental condition of weather, air, water and noise of the college.
- To document the waste disposal system.
- To estimate the Energy requirements of the college.
- To report the expenditure on green initiatives during the last five years.



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METHODOLOGY



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METHODOLOGY

The purpose of the green audit of SCOP is to ensure that the practices followed in the campus are in accordance with the Green Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.



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ABOUT THE COLLEGE



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ABOUT THE COLLEGE

The Samskruti College of Pharmacy, one of the four educational institutions sponsored by the Vincent Education Society, was established in 2006 with a vision to impart quality technical education and is affiliated to Jawaharlal Nehru Technological University Hyderabad. The College is a little away from the din and bustle of Ghatkesar, a town with a historic and hoary past, about 15 Km. south of Hyderabad on Hyderabad-Warangal highway and rail route. The college offers B.Pharmacy, Pharm.D, Pharm.D(PB) and M.Pharmacy in six specializations of Pharmacy- Pharmaceutics, Pharmaceutical Analysis, Pharmacology, Pharmaceutical Chemistry, Pharmacy Practice and Regulatory Affairs.

Programmes offered by the institution

S.NO	Programme Code	Programme Name
01	1R	B.Pharmacy
02	1T	Pharm.D
03	5T	Pharm.D (PB)
04	S03	M. Pharmacy-Pharmaceutics
05	S12	M.Pharmacy-Pharmaceutical Analysis
06	S13	M.Pharmacy-Regulator Affairs
07	S15	M.Pharmacy-Pharmacy Practice
08	S02	M.Pharmacy-Pharmaceutical Chemistry
09	S01	M.Pharmacy-Pharmacology



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VISION AND MISSION STATEMENTS



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Vision

- To be center of excellence by redefining pharmacy education and nurture globally competent professional pharmacists.
- To empower the faculty and students with knowledge, skills and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of Pharmacy, clinical research and interdisciplinary endeavors.

Mission

- To train and develop students into professional pharmacists so as to fulfill the industrial and community needs. To shoulder the responsibility of reducing the suffering mankind by providing pharmaceutical care.
- To maintain high values and standards so as to make students technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.



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GREEN AUDITING



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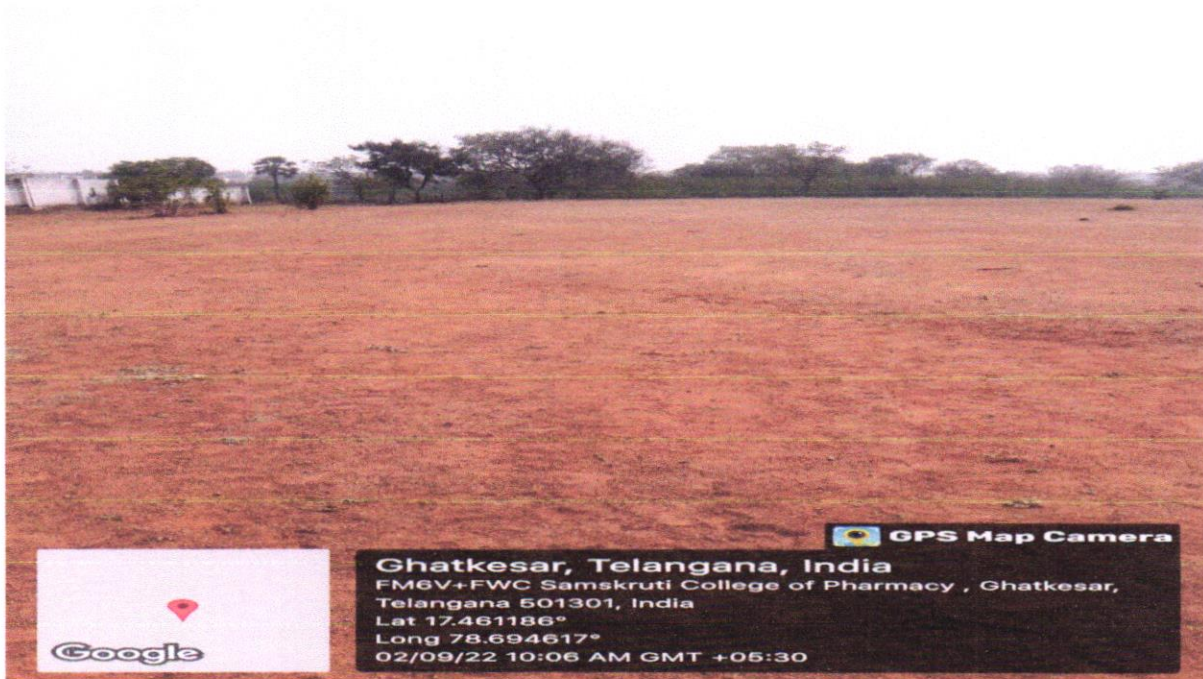
GREEN AUDITING

Samskruti College of Pharmacy has been taken several initiatives to transform the college as “Green Campus” and adopted the ‘Green Campus’ system for environmental conservation in order to achieve environmental sustainability. The institute has initiated and planted variety of plant species to encourage and enhance the Biodiversity aspect of the campus. Due the Green initiative adopted by the institute, the campus temperatures were reduced and contributes on the adverse impacts of Global warming. The Students are enabled to pursue their pharmacy higher education comfortably at Green Campus and eco-friendly study environment. Rainwater harvesting system was implemented to meet the needs for plantation.



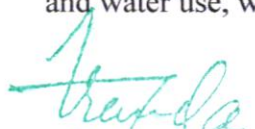
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The solid waste will be collected from all the sources such as from Kitchen, bathrooms inside the canteen which includes papers, plastics, foods, metals, glass etc. and it will be segregated from source of generation. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block workers in each floor collect, clean, segregate and compile the waste in the dustbins provided at each floor. The floor dustbins are emptied in movable containers provided for each block and is taken to the dumping yard provided by the college. The college has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them at the landfills authorized by the government. For drinking, mineral water facility is arranged in every building of the campus. Wastage of drinking water is restricted through proper monitoring. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings of the campus. Awareness towards minimizing the wastage of water is spread at regular intervals among the students.

The college was located in 5.2 acres of land area. The three major pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO₂emission, energy and water use, while creating atmosphere where students can learn and be healthy.


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LAND USE ANALYSIS OF SCOP



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LAND USE ANALYSIS, SCOP

GENERAL OVERVIEW OF THE CONCEPT OF LAND USE

Land use refers to man's activities and the various uses which are carried on and derived from land. Viewing the earth from space, it is now very crucial in man's activities on natural resource. In situations of rapid changes in land use, observations of the Earth from space give the information of human activities and utilization of the landscape.

Remote sensing GIS techniques are now providing new tools for advanced land use mapping and planning. The collection of remotely sensed data facilitates the synoptic analyses of earth system, functions, patterning and change in the local, regional as well as at global scales over time. Satellite imagery particularly is a valuable tool for generating land use map.

METHODOLOGY ADOPTED FOR LAND USE MAPPING

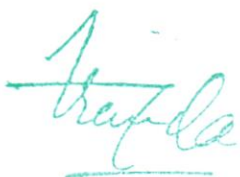
Three types of data that are GPS points, field survey data and Google earth data for geo referencing have been used in this study.

DATA PROCESSING AND ANALYSIS

Land use map preparation is executed through the following steps:

Acquisition of data (latitude and longitudinal data) Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land usage have also been prepared.

Therefore, attempt has been made in this study to map land use for SCOP with a view to detect the land consumption in the built-up land area using both remote sensing and GIS techniques.



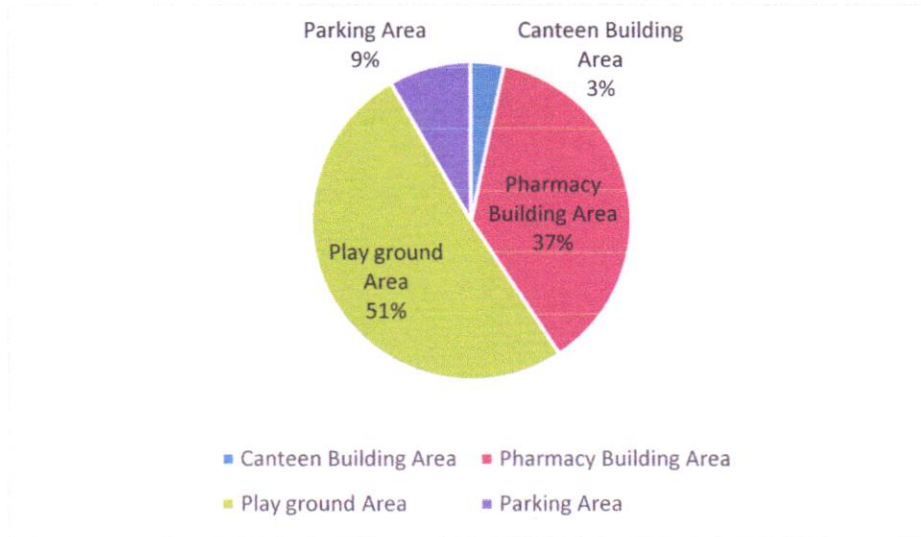
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LAND USE DATA OF SCOP, Ghatkesar

Canteen Building Area	AREA (sq.meter)
Administrative Area (Inside the Pharmacy Building)	500
Canteen Building Area	400
Pharmacy Building Area	4456
Play ground Area	6070.28
Parking Area	1000
Total Area	11,926.28

LAND USE ANALYSIS, Samskruti College of Pharmacy, Ghatkesar, Hyderabad



LAND USE (BUILT UP AREA) ANALYSIS

The built up area of 40 % (4865.0 m²5%) consists of the following regions as stated below for land consumption in built-up area for Samskruti College of Pharmacy.

FINDINGS

SCOP, which was established in the year 2006, has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance. Its land use is such that about 60% of the total area is occupied by open land and plantation that generates a better and sustainable campus environment.

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Area occupied by various buildings of SCOP

Instructional Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Measurements of room (in Sq.mts.)			
			Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	1	205	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	206	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	208	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	306	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	307	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	308	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	309	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	410	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	403	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	411	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	404	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	407	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	101	3.58	9.15	3.66	32.575
CANTEEN BUILDING	1	102	7.5	9.15	3.66	68.625
CANTEEN BUILDING	1	104	15.0	9.15	3.66	137.25
CANTEEN BUILDING	1	106	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	107	7.5	9.15	3.66	68.625

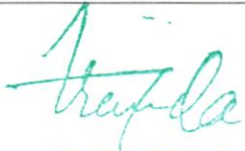


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Lab Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	0	102	7.21	9.15	3.66	66.02
SAMSKRUTI COLLEGE OF PHARMACY	0	106	7.39	9.15	3.66	67.795
SAMSKRUTI COLLEGE OF PHARMACY	0	107	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	0	108	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	0	109	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	1	201	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	202	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	203	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	204	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	210	1.79	9.15	3.66	16.37
SAMSKRUTI COLLEGE OF PHARMACY	2	301	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	2	305	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	2	310	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	401	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	402	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	406	18.83	9.15	3.66	172.32
SAMSKRUTI COLLEGE OF PHARMACY	3	408	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	409	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	412	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	413	7.5	9.15	3.66	68.5
CANTEEN BUILDING	1	105	7.5	9.15	3.66	68.5



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GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

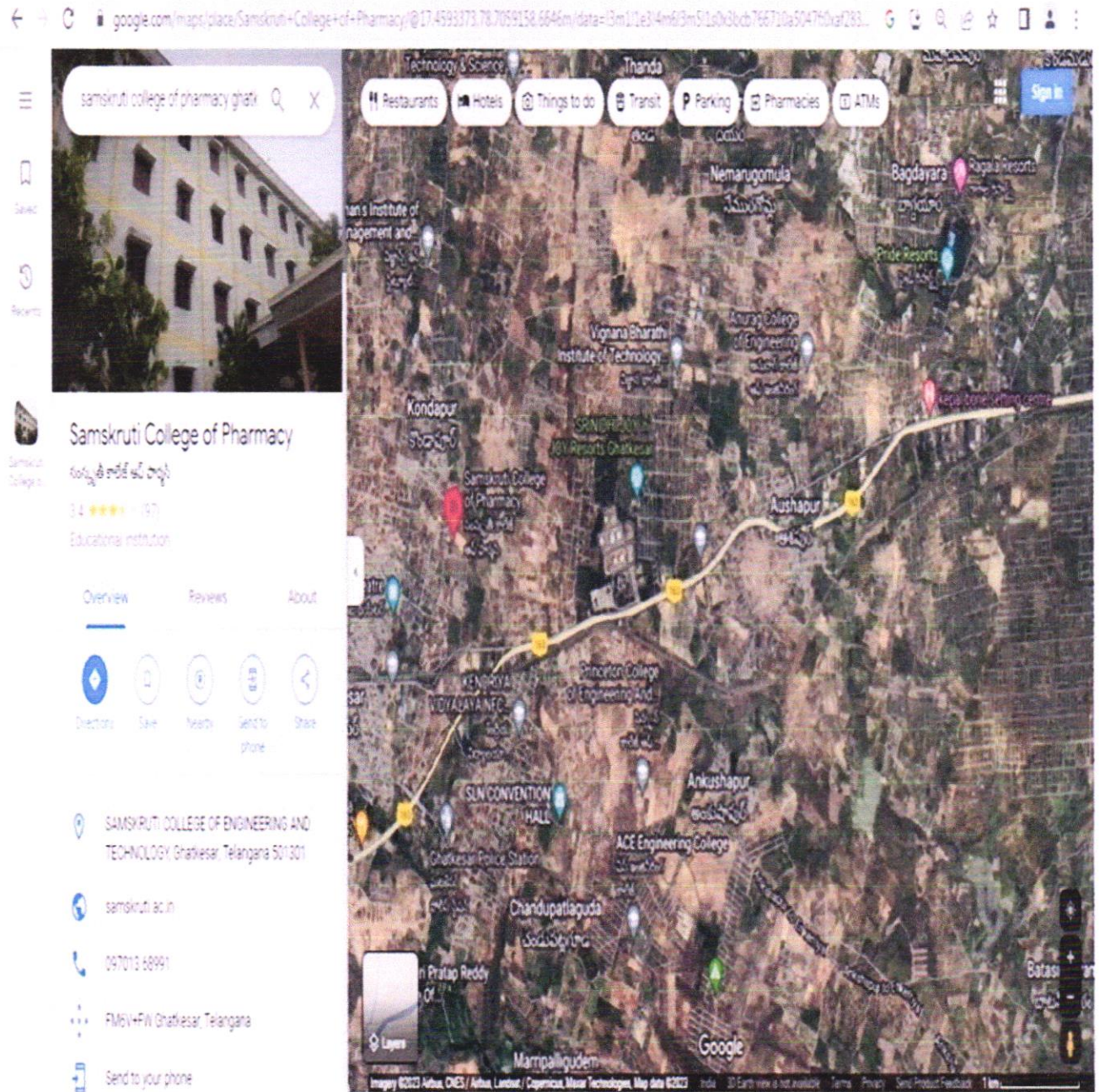


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GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

The college has a sprawling pollution-free campus spread over 5.2 acres of land very near to the Kondapur village, Ghatkesar Mandal of Medchal District.



Google Map of College Campus and Location map screen shot

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TREE DIVERSITY OF SCOP



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TREE DIVERSITY OF SCOP, Ghatkesar.

SCOP is within the geo-position between latitude N 17°27'42.69092" and longitude E78°41'40.9683" in SCOP, Telangana, India. It encompasses an area of about 30 Acres. The area is immense diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organized by the authority and have become an integral part of the college.

The trees of the college have increased the quality of life, in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. Many species of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favorite of birds and many insects.

Leaf covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colors. Even individual trees vary their appearance throughout the course of the year as the seasons change. The strength, long lifespan and regal stature of trees give them a monument – like quality They also remind us the glorious history of SCOP and our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day.

A thick belt of large shady trees in the periphery of the college have found be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire SCOP town and its surrounding areas.

“Green audit” is a principle introduced to make the educational institute environmentally sustainable. The purpose of the green audit is to ensure that the Green Policy is followed and implemented in the campus. Samskruti college of Pharmacy implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. As a part of such practice, internal environmental audit (Green Audit) is conducted to evaluate the actual scenario on the campus. A survey on trees and other greeneries within the

campus was done by the students.

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The following are the tree species with whom we are being attached:

S.No.	Common Name	Scientific Name	Number
1	Nalleru	Cissus quadrangularis	02
2	Kamanchi	Solanum Nigrum	03
3	Lemon grass	Cymbogon	02
4	Ranapala	Bryophillum pinnatum	01
5	Tulasi	Sciumu	05
6	Attipatti	Mlmosa pudica	07
7	Kanakambaram	Crossandrain fundibuliformis	04
8	Fiery Costus	Chamaecostus Cuspidatus	02
9	Cayenne jasmine	Catharanthus roseus	02
10	Guava	Pisidium guava	06
11	Anjeer	Ficus Carica	01
12	Parijata	Cestrum Nocturnum	02
13	Indian plum	Ziziphus mauritiana	07
14	Sago palm	Cycas	02
15	Jennifer	Aster ericoides	01
16	Pomegranate	Punica granatum	03
17	Aloevera	Aloe barbadensis	18
18	Sea hibiscus	Talipara	02
19	Vepachettu	Azadirachta indica	20
20	Nereduchettu	Syzygiumcumini (L.) Skeels	02
21	Coconut	Cocos nucifera	04
22	Christmas Tree	Araucaria columnaris	06
23	Oyster plant	tradiscantia	03
24	Badam	Terminalia catappa	08
25	Usirikaaya	Phyllanthus emblica	04
26	Kanuga	Millettia Pinnata	09
27	Mango	Mangifera indica	03
28	Marri chettu	Ficus benghalensis	02
29	Raavi chettu	Ficus religiosa	04
30	Seethaphalam	Annona reticulata	02
31	Pala chettu	Alstonias cholaris	04
32	Manilkara zapota	Manilkara zapota	04
33	Drumstick	Moringa oleifera	02

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34	Henna Tree	Lawsonia inermis	03
35	Oyster plant	Tradescantia	03
36	Blue flowered rattle pod	Crotalaria vessucosa L	03
37	Orchid plant	Cymbidium orchid	01
38	Lane puwak	Areca concinna	02
39	Peacock flower	Caesalpinia pulcberrima	08
40	Lantana camera flowers	Lantana camera	05
41	Parthenium (santa maria fever few)	Parthenium hysterophorus	20
42	Orchidtree (kanchon)	Bauhinia variegata	04
43	Sickle pod	Senna obtusifolia	07
44	Achar / chironji tree seeds	Buchananialanzan	01
45	Vampadan climbing shrub	Ventilago madeaspatana	03
46	Lebbeck tree	Langil	05
47	Indian cork tree	Millingtonia hortensis linn.F	07
48	Veld grape	Cissus quadrangularis	02
49	Cheese wood	Pittosporum tobira	06
50	Paper flower	Bougainvillea glabra	04
51	nilgiri	Eucalyptus globulus	05
52	Crown of thorns	Euphorbia millivar	15
53	Papaya	Carica papaya	02
54	Fire cracker flower	Crossan drain fundibuiiformis	02
55	Chamanthi	crysanthemum	02
56	Ixora coccinia	Rubiaceae	02
57	Jasminum cuspidatum	Oleaceae	03
58	Lawsoniainermis	Lythraceae	03
59	Mangiferaindica	Anacardiaceae	03
60	Screwpine	Pandanus veitchi	04
61	Lancepod	Loncho carpus costaricensis	03
62	Earpod tree	Enterolobium cyclocarpum	20
63	Nontry cypress	Cypressus and macrocarpa	06
64	Weeping fig	Ficus bengamina	07
65	Coat buttons	Tridax procumbens	06
66	Indian pulai	Alstroniascholaris	01
67	Dampet tree	Tabebuia roser	03
68	Brush berry	Syzygiamaustrale	02

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69	Oyster	Tradescantia spathacea	02
70	Good luck plant	Cordyline fruticosa	01
71	Pergularia	Pergularia tomentosa	01
72	Cape honey suckle	Tecomaria capensis	07
73	Madagascar periwinkle	Catharanthus roseus	07
74	Phoenix Dactylifera	Areaceae	03



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Plantation Photo



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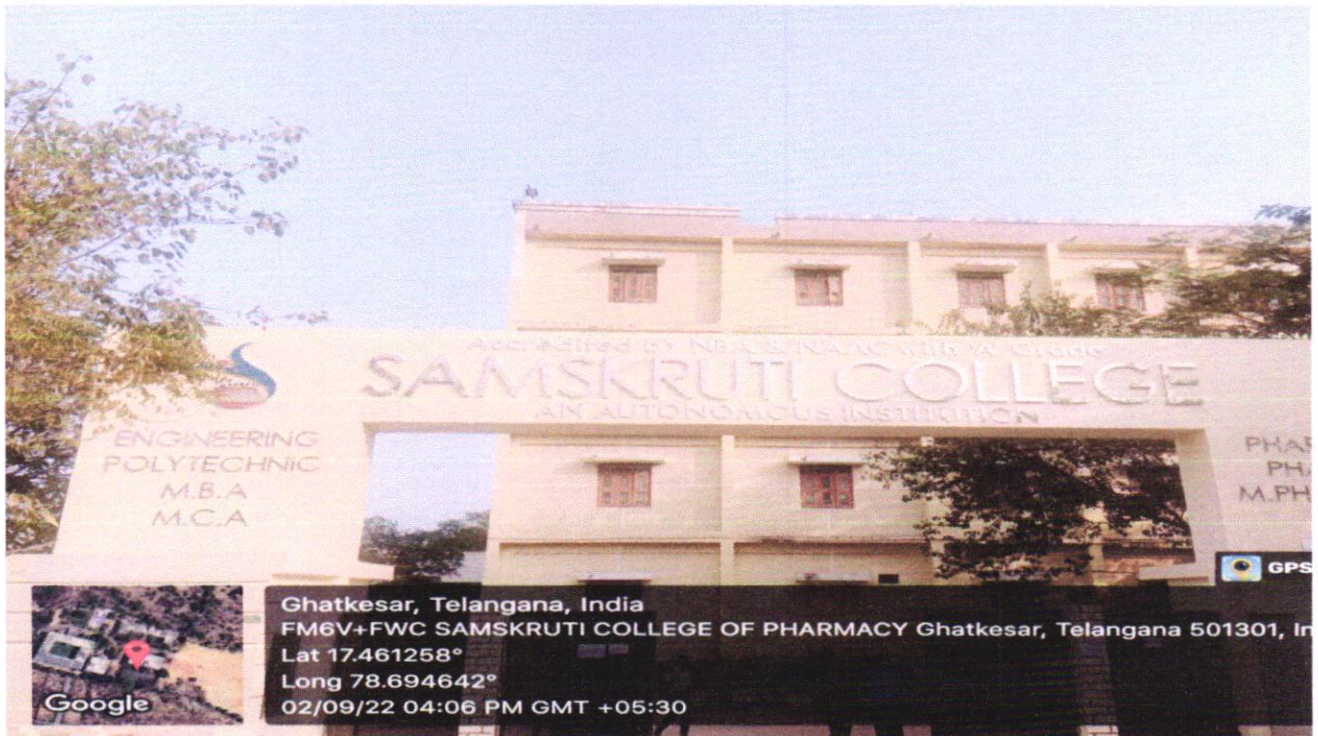
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Main Entrance – Samskruti Group of Institutions



College Building – Samskruti College of Pharmacy



Handwritten signature

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Cafeteria – Samskruti College of Pharmacy



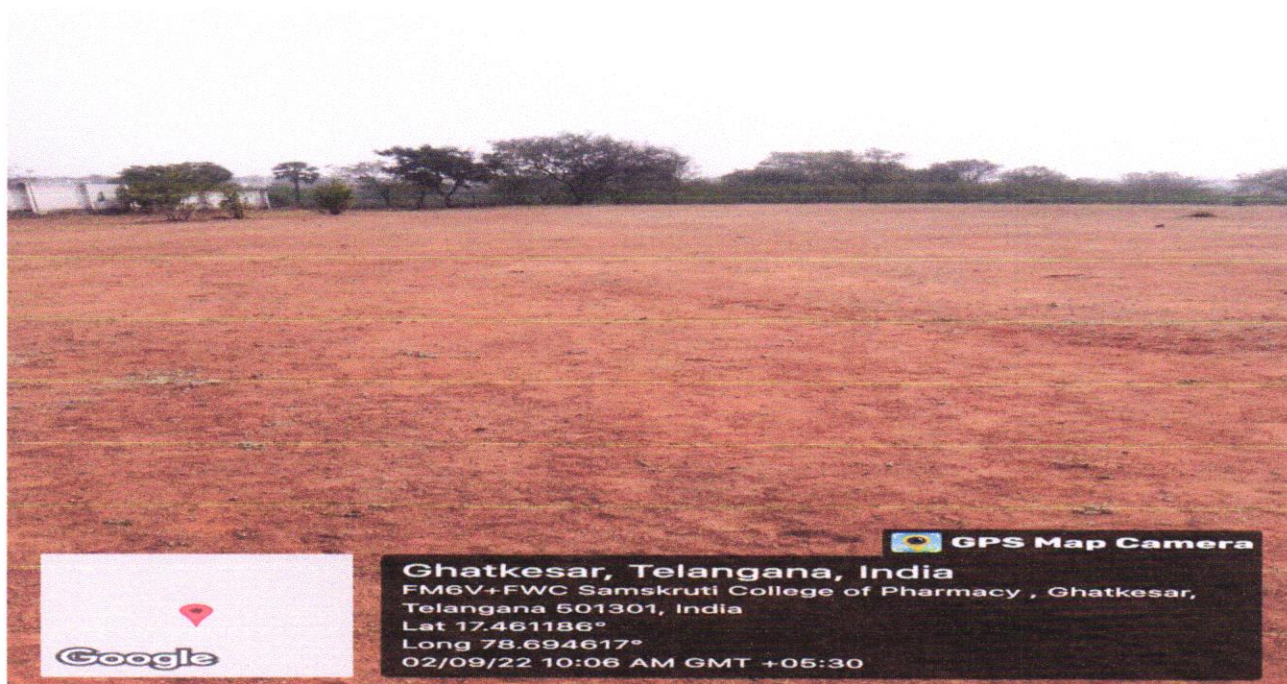
Canteen – Samskruti College of Pharmacy



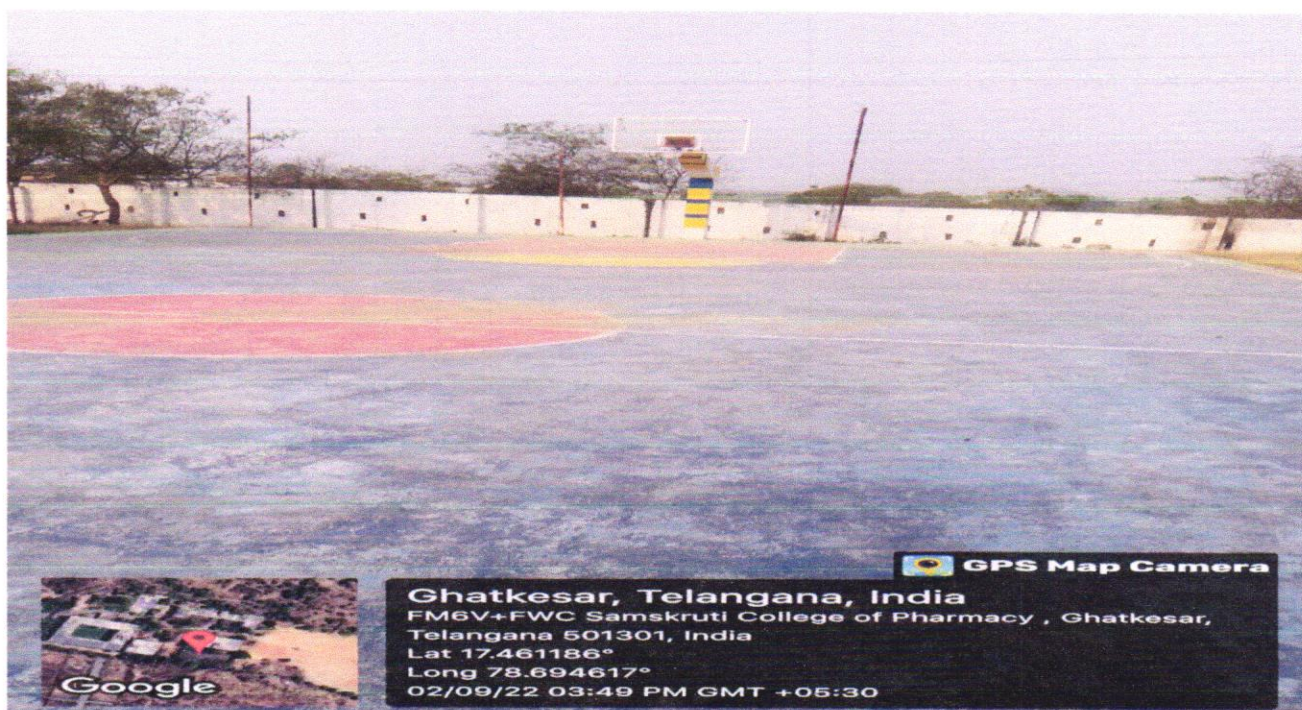
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Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Play Ground – Samskruti College of Pharmacy



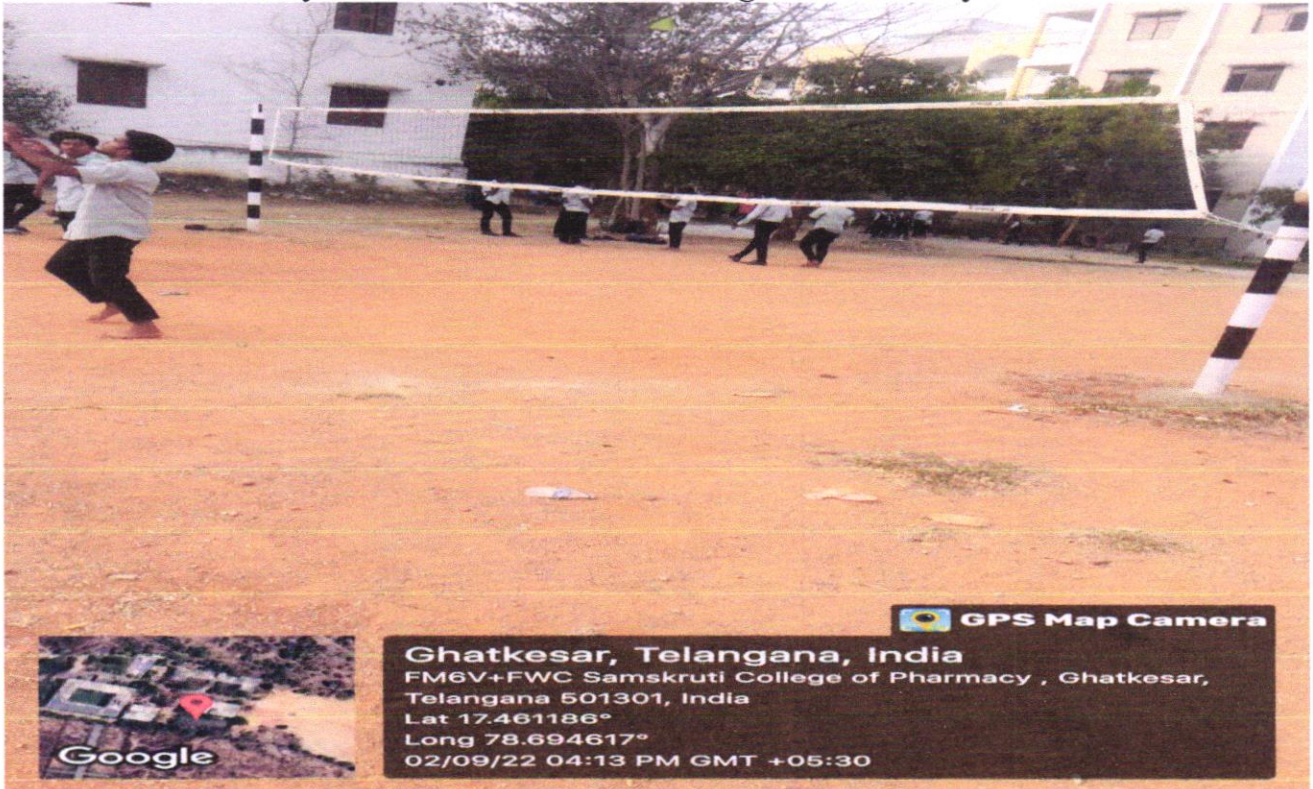
Basket ball court – Samskruti College Of Pharmacy



Principal

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Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Volleyball court – Samskruti College Of Pharmacy



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Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

FAUNAL DIVERSITY IN SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301.

FAUNAL DIVERSITY IN SCOP

SCOP is located in District of Medchal, Telangana India. The highest temperature is recorded 42⁰ C just prior to the onset of monsoon (around May- early June). Summer rain is normal, and is principally caused from late June to August by the moisture-laden South- West Monsoon, on striking the Himalayan foothills of the north. The climatic condition of the SCOP district as a whole and SCOP in particular is very suitable for a wide variety of flora and fauna to support its rich biodiversity. The faunal Diversity of SCOP campus has been studied and documented as below:

S.No	CommonName	ScientificName
1.	Common Myna	Acridotheres Tristis
2.	House Sparrow	Passer Domesticus
3.	House Crow	Corvus Splendens
4.	Cuckoo	Cuculidae
5.	Snake	Naja Naja
6.	Yellow Wasp	Ropalidia Marginata
7.	Butter Fly	Danaus Genutia
8.	Honey bees	Apis
9.	Common Wood shrike	Tephrodornis Pondicerianus
10.	Pied Myna	Gracupica Contra
11.	Red-Vented Bulbul	Pycnonotus Cafer
12.	Skylark	Aluda Gulgula
13.	Garden Tiger Moth	Arctia Caja
14.	Little Owl	Athene Brama
15.	Oleander Moth	Syntomeida Epilais
16.	Slender Skimmer	Orthetrum Sabina
17.	Lizard	Indian Garden Lizard
18.	peacocks	Pavo cristatus
19.	Grass Hopper	Orthoptera
20.	Squirrel	Sciuridae
21.	Scarab Beetle	Coleoptera
22.	Lizard	Lacertilia
23.	Pigeon	Columbidae
24	Parrots	Indian Rose Ringed Parakeet

Principal



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Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Trees and Plants- Samskruti College Of Pharmacy



Ghatkesar, Telangana, India

FM6V+FWC Samskruti College of Pharmacy , Ghatkesar,

Telangana 501301, India

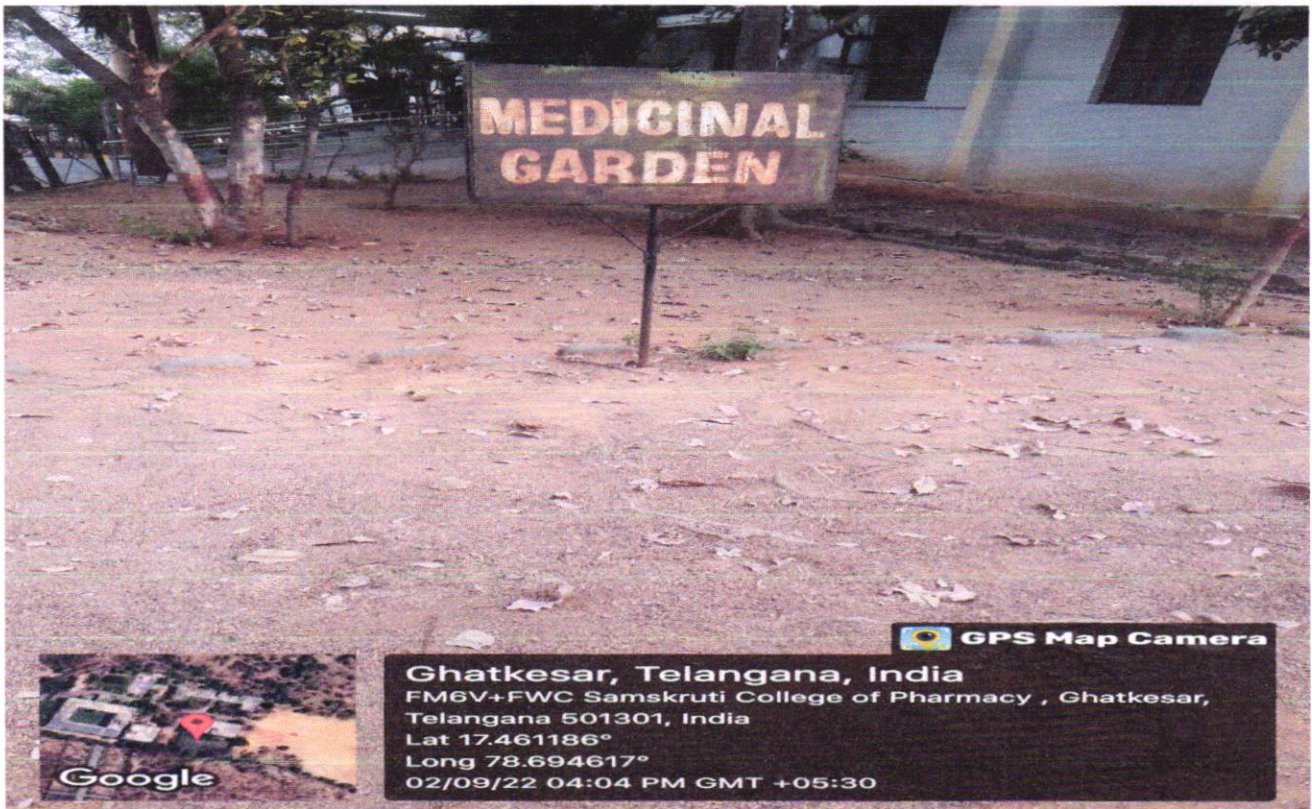
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Long 78.694617°

02/09/22 04:01 PM GMT +05:30

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



Principal

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Medchal Dist. PIN-501301

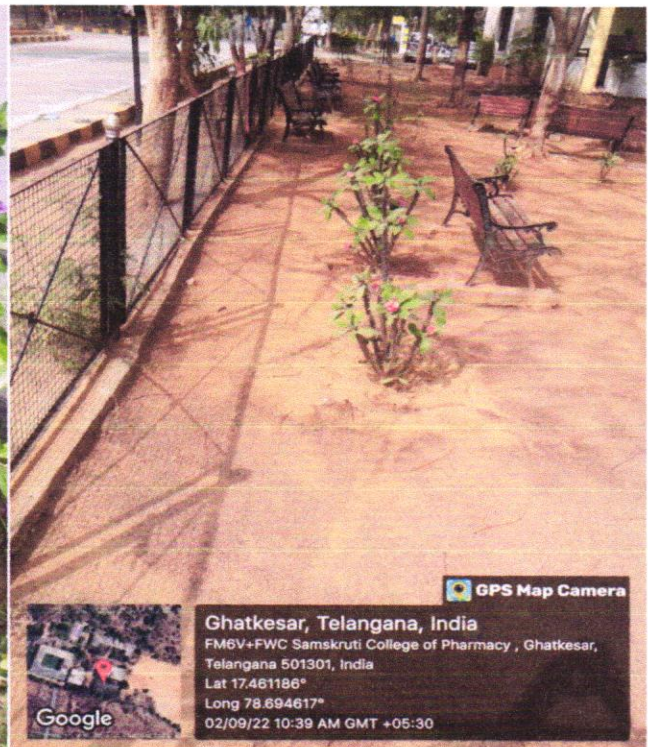
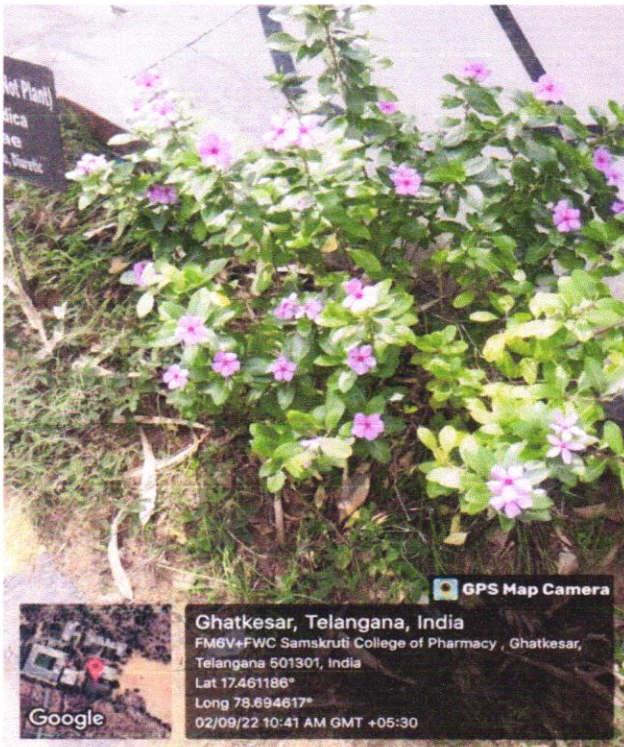
FLORAL DIVERSITY OF SCOP



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FLORAL DIVERSITY IN SCOP



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

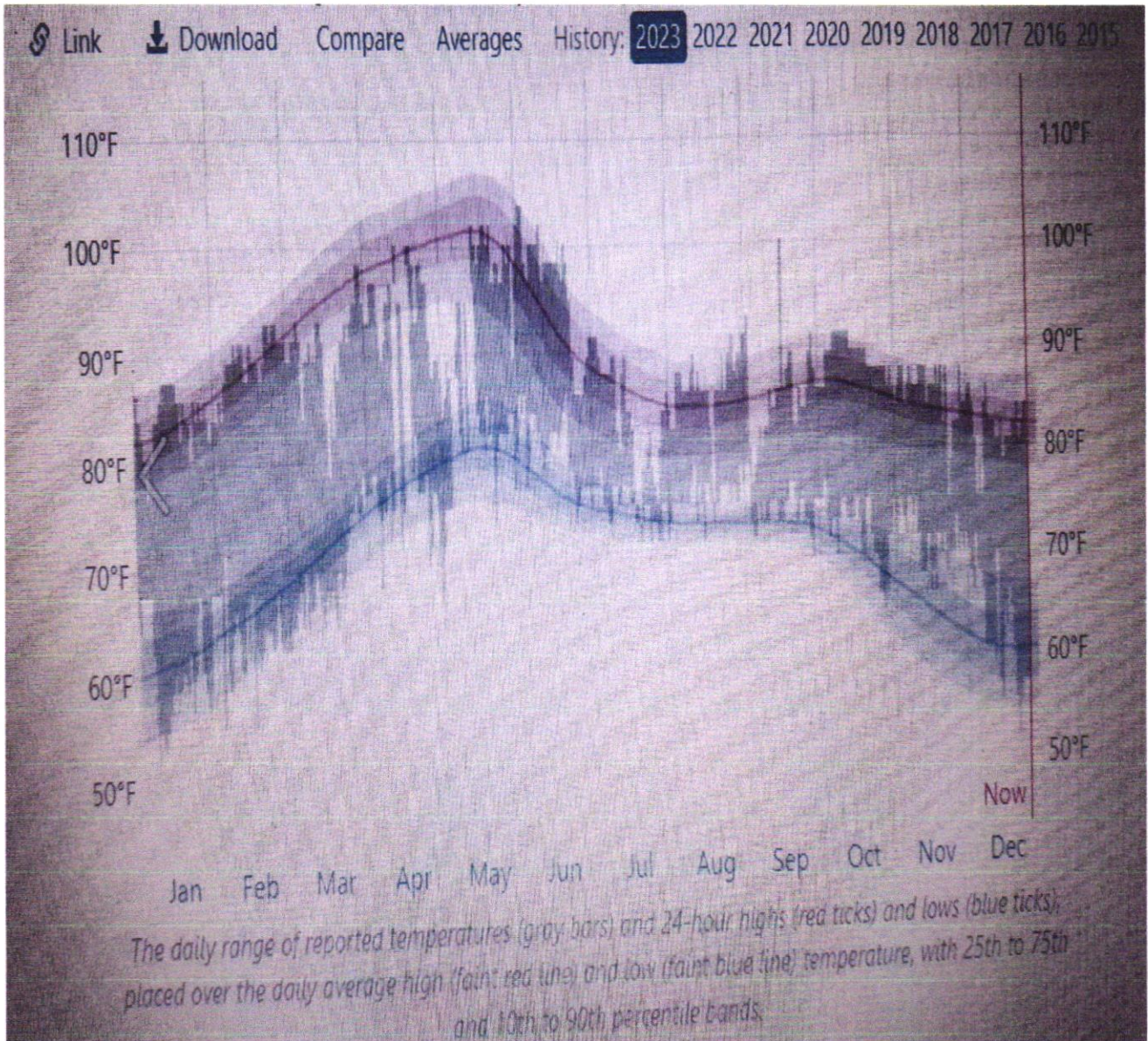
WEATHER DATA OF SCOP



Principal

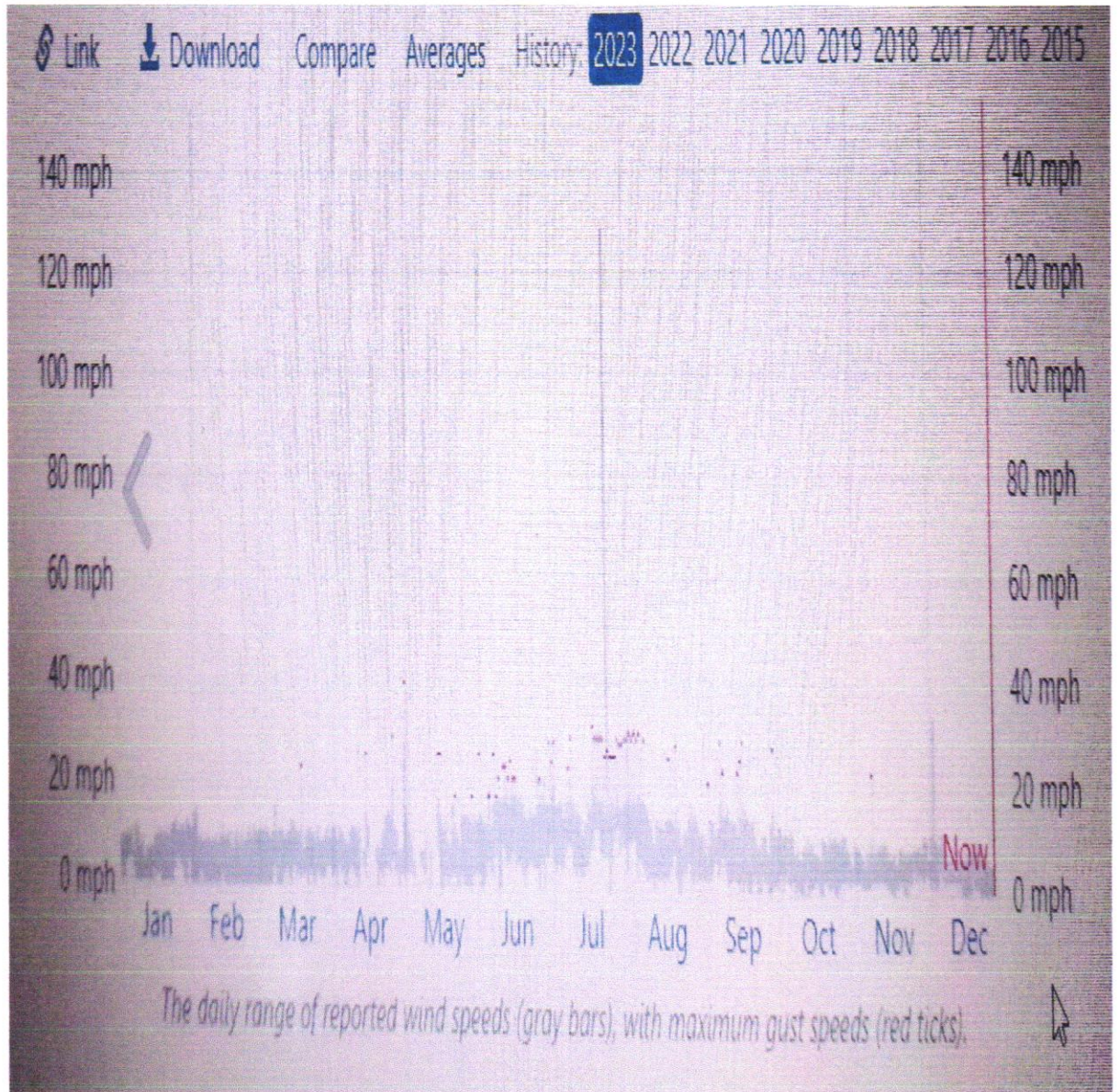
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Weather Data – 2023



Temperature at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

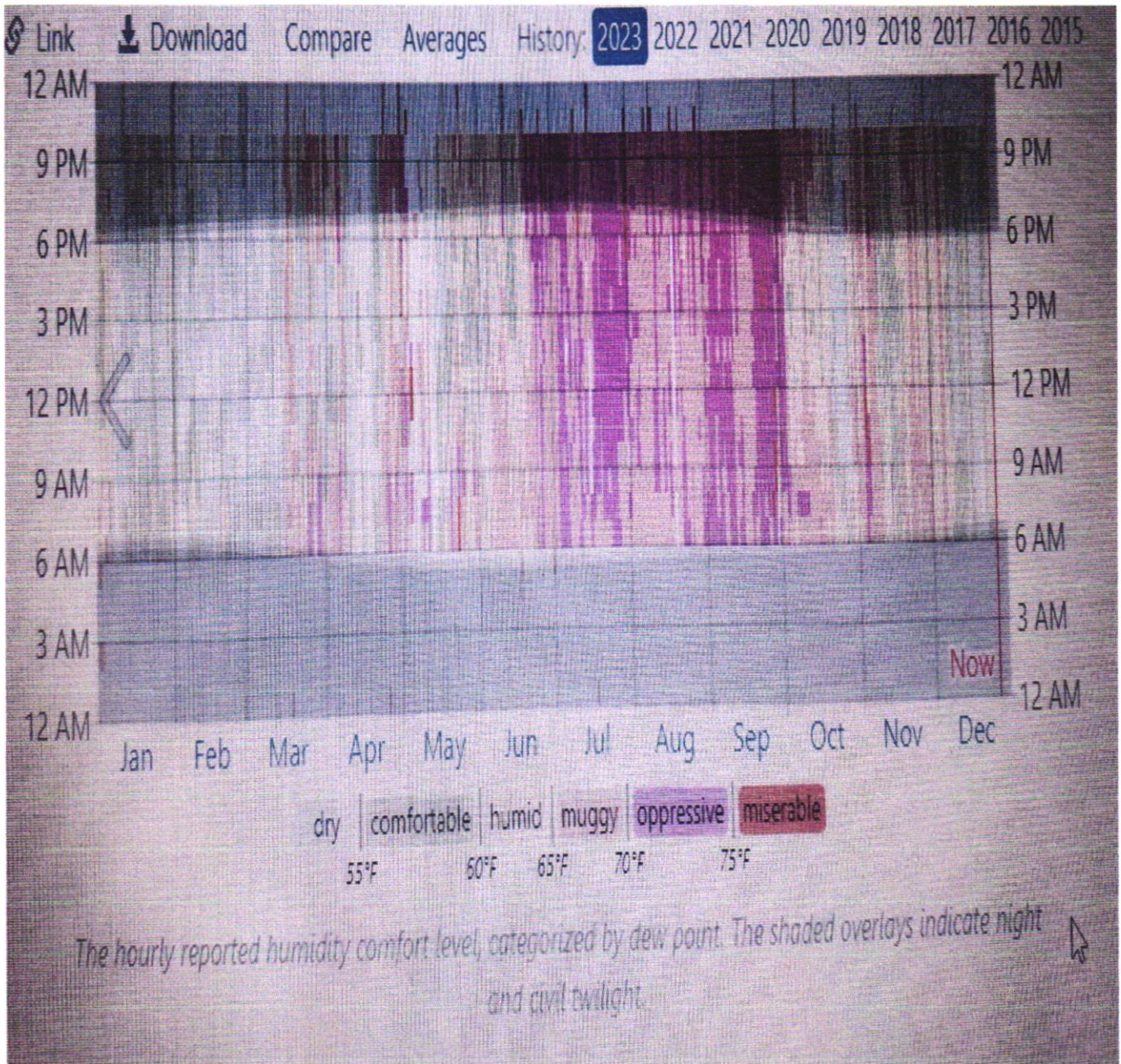
Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301



Wind Speed at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

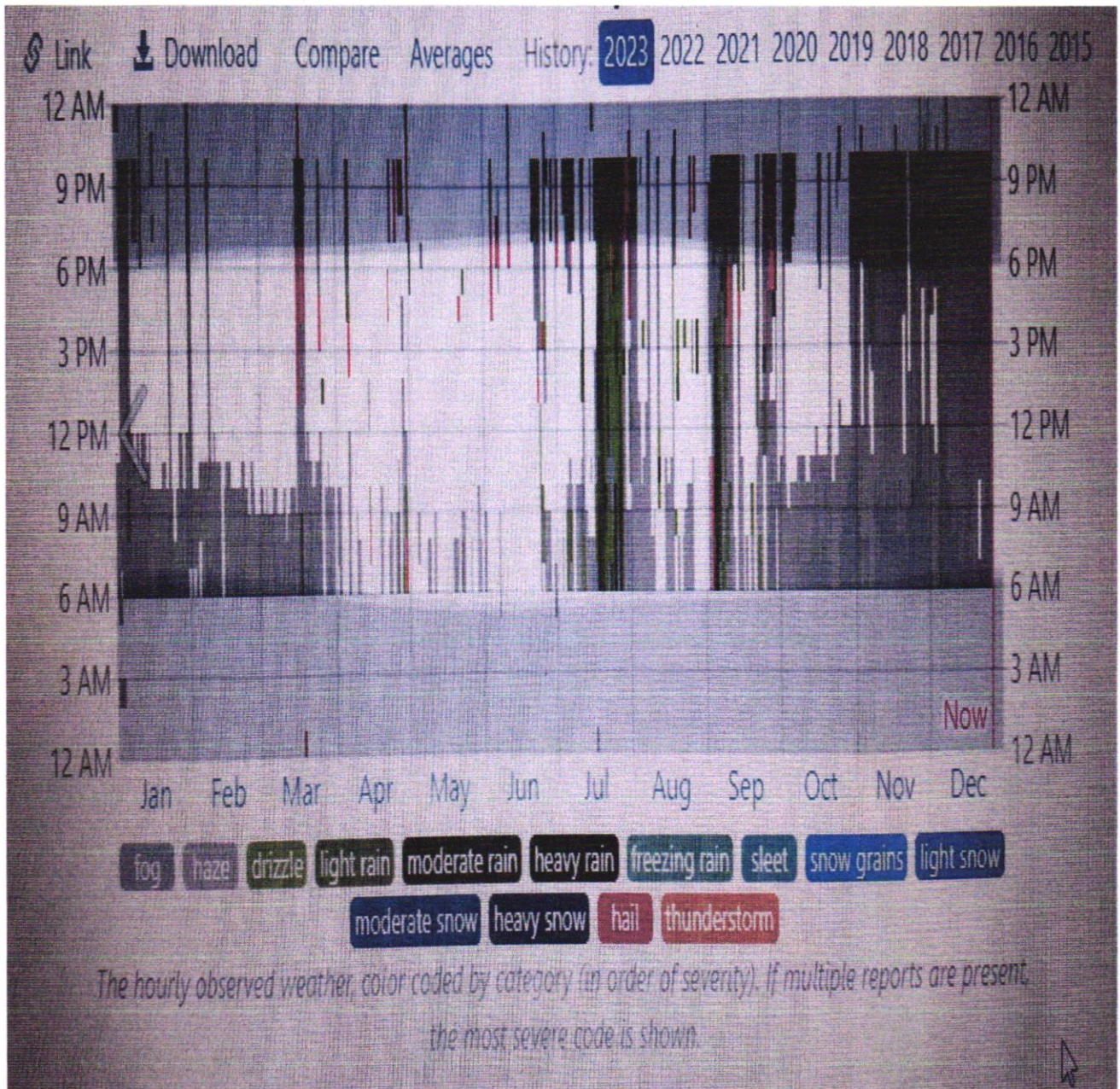
**Samskruti College of Pharmacy
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Medchal Dist. PIN-501301**



Humidity at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

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Rainfall at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

AIR QUALITY OF SCOP



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR(V), GHATKESAR.
AIR QUALITY ANALYSIS DETAILS AT SCOP CAMPUS

Date of Report	09.25.2023
Sample collected by	B. Pharma Final Year Students
Sample collection Date	09.20.2023
Sample Description/Code	AIR QUALITY ANALYSIS

S.NO	NAME OF THE PARAMETER	TEST RESULTS				NAAQS LIMITS	TEST METHOD
		COLLEGE MAIN ENTRANCE	ADMIN BUILDING	CANTEEN AREA	SPORTS GROUND		
1	Particulate Matter (PM10)	61.8	52.9	52	75	100	IS 5182: Part- 23 (2012)
2	Particulate Matter (PM2.5)	20.1	15.3	15.5	25	60	CPQB Manual (NAAQMS/36/2012-13) Gravimetric method (Cyclonic Flow technique)
3	Sulphur dioxide as SO ₂ (µg/m ³)	0	0	0	0	80	IS 5182: Part- 2 (2012)
4	Nitrogen dioxide as NO _x (µg/m ³)	0	0	0	0	80	IS 5182: Part- 6 (2012)

S. Sankar
Checked by
Shiva Srikrishna, Asst. Prof.

M. R. S.
Authorized Signatory
Dr. Y. Shirisha, Prof.

Shirisha

NOISE LEVEL IN THE SURROUNDING OF SCOP



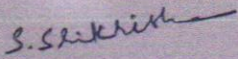
Principal

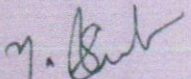
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR (V), GHATKESAR.
NOISE LEVEL MEASUREMENT DETAILS AT SCOP CAMPUS

Date of Report	09.25.2023
Sample collected by	B.Pharm final year students
Sample collected date	09.20.2023
Sample description	Noise level measurements

S.NO	SAMPLING LOCATION	MEASUREMENT (DURATION IN SECS)	MINIMUM (DBA)	MAXIMUM (DBA)	AVERAGE (DBA)
1	College main out gate	60	41.5	73.5	57.5
2	Parking area	60	43	60.3	51.65
3	Administrative block	60	40.3	71.4	55.85
4	Canteen	60	48.7	66.9	56.8
5	Main block	60	48	74	62
6	Ladies hostel	60	46	68	57
7	Sports ground	60	50.5	75.6	63.05
8	College main in gate	60	52	72	62


Checked by
Shiva Srikrishna, Asst. Prof.

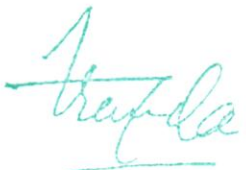

Authorized Signatory
Dr. Y. Shirisha, Prof.



Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

WATER ANALYSIS REPORT OF SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2023

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.					
Water Consumption Details at SCOP Campus					
Month	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)	Consumption Details for 2020-21 (Liters in Lakhs)	Consumption Details for 2021-22 (Liters in Lakhs)	Consumption Details for 2022-23 (Liters in Lakhs)
January	2.0	2.5	2.3	2.0	2.5
February	2.3	2.0	2.1	2.3	2.0
March	2.0	2.2	2.2	2.0	2.2
April	2.5	2.3	2.0	2.5	2.3
May	2.2	2.0	2.3	2.2	2.0
Jun	2.1	2.2	2.4	2.1	2.2
July	2.5	2.0	2.3	2.5	2.0
August	2.3	2.3	2.5	2.3	2.3
September	2.2	2.1	2.4	2.2	2.1
October	2.1	2.4	2.0	2.1	2.4
November	2.0	2.2	2.1	2.0	2.2
December	2.0	2.1	2.2	2.0	2.1

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.					
Water Collection Details at SCOP Campus					
Month	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)	Collection Details for 2020-21 (Liters in Lakhs)	Collection Details for 2021-22 (Liters in Lakhs)	Collection Details for 2022-23 (Liters in Lakhs)
January	2.7	2.6	2.7	2.7	2.6
February	2.5	2.5	2.6	2.5	2.5
March	2.6	2.6	2.5	2.6	2.6
April	2.7	3	2.8	2.7	3.0
May	2.5	2.5	2.7	2.5	2.5
June	2.7	2.7	2.8	2.7	2.7
July	2.9	2.5	2.9	2.9	2.5
August	3	2.7	2.6	3	2.7
September	2.8	2.6	2.7	2.8	2.6
October	2.9	2.8	2.6	2.9	2.8
November	2.6	2.8	2.8	2.6	2.8
December	2.7	2.9	2.9	2.7	2.9

S. Srikrishna
 Directed by
 Shiva Srikrishna, Asst. prof.

Y. Shirisha
 Authorized Signatory
 Dr. Y. Shirisha, prof.

Prayada
Principal

**Samskruti College of Pharmacy
 Kondapur(V), Ghatkesar(M),
 Medchal Dist. PIN-501301**

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR (V), GHATKESAR.
BORE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.25.2023
Sample collected by	B.Pharm final year students
Sample collection Date	09.20.2023
Sample Description /Code	Bore Water

S.NO	Parameter	Unit	Method	Result	IS 10500 limits	
					Acceptable	Permissible
1	pH		APHA 23 RD EDITION, 4500 H+B	6.75	65.65	No Relaxation
2	Turbidity	NTU	APHA 23 RD EDITION, 2130 B	2	2	2
3	Conductivity	µMho/cm	APHA 23 RD EDITION, 2510 B	3055		
4	Total dissolved Solids	mg/L	APHA 23 RD EDITION, 2540 B	1986	500	2000
5	Colour	CU	APHA 23 RD EDITION, 2120 B	<5	5	15
6	Odor			Agreeable	Agreeable	Agreeable
7	P.Alkalinity as CaCO_3	mg/L	APHA 23 RD EDITION, 2320 B	<5		
8	Alkalinity as CaCO_3	mg/L	APHA 23 RD EDITION, 2320 B	450	200	600
9	Total Hardness as CaCO_3	mg/L	APHA 23 RD EDITION, 2340 B	543	200	600
10	Calcium as Ca	mg/L	APHA 23 RD EDITION, 3500 B	110	75	200
11	Magnesium as Mg	mg/L	APHA 23 RD EDITION, 3500 B	14	55	100
12	Sodium as Na	mg/L	APHA 23 RD EDITION, 3500 B	320		
13	Potassium as K	mg/L	APHA 23 RD EDITION, 3500 B	190		
14	Chloride as Cl	mg/L	APHA 23 RD EDITION, 4500 B	10.3	250	400
15	Sulphates as SO_4^{2-}	mg/L	APHA 23 RD EDITION, 4500 B	0.8	200	No Relaxation
16	Nitrate Nitrogen as N	mg/L	APHA 23 RD EDITION, 4500 B	<0.3	45	2.5
17	Flourides as F	mg/L	APHA 23 RD EDITION, 2500 B	<0.1	1	No Relaxation
18	Iron as Fe	mg/L	APHA 23 RD EDITION, 3500 B	<0.001	0.3	0.3
19	Manganese as Mn	mg/L	APHA 23 RD EDITION, 5530 B	<0.01	0.1	0.002
20	Phenols Compounds	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.001	No Relaxation
21	Cromium as Cr^{6+}	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.05	3
22	Residual Chlorine as CL	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.2	No Relaxation
23	Total cyanide	mg/L	APHA 23 RD EDITION, 3111 B	<0.01	0.005	1.5
24	Copper as Cu	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.005	No Relaxation
25	Cadmium as Cd	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.003	1.5
26	Zinc as Zn	mg/L	APHA 23 RD EDITION, 3111B	<0.5	5	No Relaxation
27	Lead as Pb	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.01	400

S. Srikrishna
Directed by
Shiva Srikrishna, Asst. prof

Y. Shirisha
Authorized Signatory
Dr. Y. Shirisha, prof.

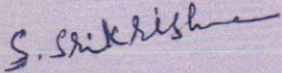
Shiva Srikrishna

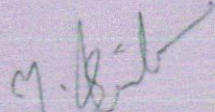
Principal

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR(V), GHATKESAR.
WASTE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.25.2023
Sample collected by	B.Pharm Final Year Students
Sample collected Date	09.20.2023
Sample Description/Code	Waste Water

S.NO	Parameter	Method	Unit	Result
1	Ph	APHA 23 RD Edition 4500 H + B		7.22
2	Total Dissolved Solids	APHA 23 RD Edition 2504 C	mg/l	708
3	Total Suspended solids	APHA 23 RD Edition 2504 D	mg/l	71
4	Chemical Oxygen Demand as COD	APHA 23 RD Edition 5220 B	mg/l	60
5	Biological Oxygen Demand as BOD	IS : 3025(Part-44) : 2009	mg/l	22
6	Oil & Grease	APHA 23 RD Edition 5520 B	mg/l	<7


Checked by
Shiva Sri Krishna, Asst. Prof.


Authorised Signatory
Dr. Y. Shrishya, Prof.



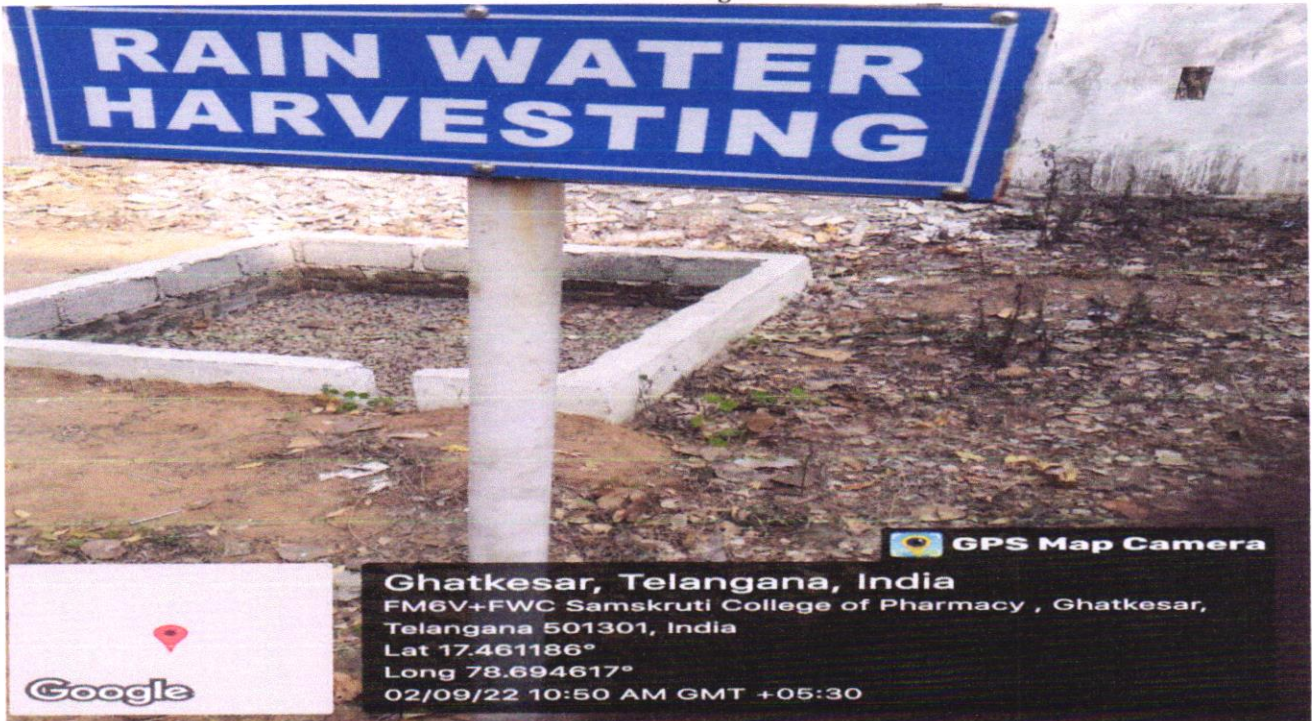
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Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Common Water tank



Water harvesting Pit



Water Conservation facilities available in the Institution

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR, GHATKESAR.

Water Consumption Details

Month	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)	Consumption Details for 2020-21 (Liters in Lakhs)	Consumption Details for 2021-22 (Liters in Lakhs)	Consumption Details for 2022-23 (Liters in Lakhs)
January	2.0	2.5	2.3	2.0	2.5
February	2.3	2.0	2.1	2.3	2.0
March	2.0	2.2	2.2	2.0	2.2
April	2.5	2.3	2.0	2.5	2.3
May	2.2	2.0	2.3	2.2	2.0
June	2.1	2.2	2.4	2.1	2.2
July	2.5	2.0	2.3	2.5	2.0
August	2.3	2.3	2.5	2.3	2.3
September	2.2	2.1	2.4	2.2	2.1
October	2.1	2.4	2.0	2.1	2.4
November	2.0	2.2	2.1	2.0	2.2
December	2.0	2.1	2.2	2.0	2.1



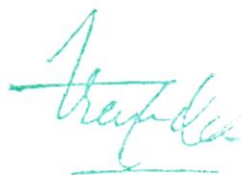
Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR, GHATKESAR.

Water Collection Details at SCOP Campus

Month	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)	Collection Details for 2020-21 (Liters in Lakhs)	Collection Details for 2021-22 (Liters in Lakhs)	Collection Details for 2022-23 (Liters in Lakhs)
January	2.7	2.6	2.7	2.7	2.6
February	2.5	2.5	2.6	2.5	2.5
March	2.6	2.6	2.5	2.6	2.6
April	2.7	3	2.8	2.7	3.0
May	2.5	2.5	2.7	2.5	2.5
June	2.7	2.7	2.8	2.7	2.7
July	2.9	2.5	2.9	2.9	2.5
August	3	2.7	2.6	3	2.7
September	2.8	2.6	2.7	2.8	2.6
October	2.9	2.8	2.6	2.9	2.8
November	2.6	2.8	2.8	2.6	2.8
December	2.7	2.9	2.9	2.7	2.9



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

WASTE DISPOSAL AT SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Waste Management

Solid waste management:

Solid waste is collected from class rooms and labs every morning by housekeeping staff in separate containers and assembled at the waste yard marked as compost pit at extreme end of the campus. Here the dry waste including paper/plastics etc. is segregated and sent in vans to recyclable joints and/or Municipal Corporation dump yard. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items. Many of our students are encouraged for making best from waste items by using plastic bottles etc. In our college campus NO PLASTIC sign boards and flexes are available to encourage students and staff not to use plastic item. On behalf of July 3, 2021 an International “NO PLASTIC” day, the students of Samskruti College of Pharmacy performs awareness programs in and outside the campus in nearby village.



The solid waste generated in the campus includes wrappers, glass, metals, paper, plastics, etc. Old newspapers, used papers, workshop scrap etc. are picked up by Ghatkesar municipality and moved to dump yard for recycling or other purpose. Glass, metals, plastic and other non-biodegradable wastes are given to Ghatkesar Municipality Corporation where they are segregated and disposed/ recycled according to the nature of the waste.

College adopts almost paperless concept by digitization of office procedures through electronic means via whatsapp groups, emails etc. thus, reducing paper-based waste and reduce carbon dioxide emissions. Some announcements and programmes are conducted using various apps and by sharing link to the students. Power Point presentations are also shared to student's whatsapp groups by the faculty members to reduce the wastage in paper printing as well as expenses. Use of paper printed on one side is encouraged in print drafts before final document, meeting minutes, memos and notes in office practices as environmentally preferred alternative to waste management. Biodegradable kitchen waste

and cafeteria is collected in separate bins. Horticultural wastes such as dried leaves, twigs, and plant clippings are collected from all around the

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Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2023

campus and used for bin composting. Dustbins have been installed throughout campus for waste segregation.

Students are encouraged to use waste paper and newspaper in creative practices during various extracurricular activities.

Reducing Plastic Usage: Now a days the usage of plastic has increased, which is a great problem to the environment as it takes hundreds of years for the waste plastic to decompose. Though govt. has planned to stop the usage of plastic bags the implementation of the same has become a major challenge for the government as there is very little awareness on the problems of plastic usage in general public. So, it is our duty to reduce the usage of plastic by spreading awareness on the problems associated with plastic use. Thus, our students have took up this as challenge and started an awareness program to reduce the plastic usage. Under this activity we visited some of the streets and made people aware of how we are damaging environment by usage of plastic items.

Liquid Waste Management:

Liquid waste is generated from Science laboratories and canteen. Liquid wastes generated are of two types:

- Sewage Waste
- Laboratory and canteen effluent.

The liquid wastes are mainly drained to improve the ground level of water.

Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Lab In-charge and lab-assistant takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and

safety aspects when they are given instructions before utilizing the chemicals. The chemicals are wisely utilized for the batches of students in morning and afternoon under the guidance

of faculty. Water for washing and rinsing of glassware for cleaning is done with regular water in low amounts. The Chemicals used in the experiments are diluted and after usage the chemical waste gets mixed with routine wastewater.

E-waste management:

Electronic goods are put to optimum use; the minor repairs are set right by the laboratory assistants and the major repairs are handled by the support of technical assistants. The equipment which cannot be refurbished for re-use is dismantled and labelled as e-waste. Input devices like keyboards which are of no use are utilized by students for their typing practice and teaching in a very basic level. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non-hazardous

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Kondapur(V), Ghatkesar(M)
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2023

items are used by students for scrap art in extra-curricular activities.

Any other relevant information:

The institution conducts academic exhibition annually in the event of annual fest where the participants from schools and colleges are invited. As a part of annual fest and some other programmes this, the students of the institution makes exhibits by using solid waste like papers, water bottles, iron pieces, rubbers and other e – waste like tube lights, bulbs, etc.

Also institution held various events like scrap art, face painting etc. on the eve of National Pharmacy week celebrations.



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

TRANSPORTATION



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



Ghatkesar, Telangana, India
FM6V+FWC Samskruti College of Pharmacy , Ghatkesar, Telangana
501301, India
Lat 17.461186°
Long 78.694617°
02/09/22 10:00 AM GMT +05:30

College bus Parking Place at SCOP

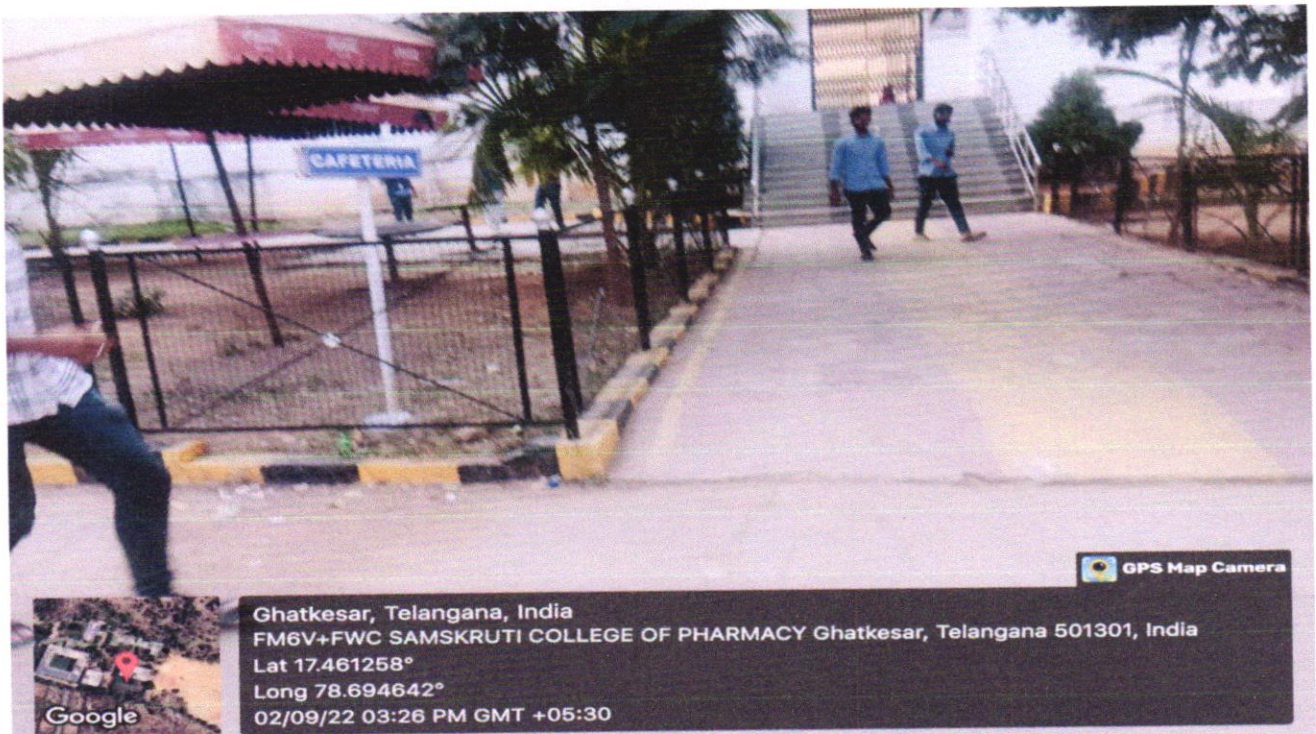
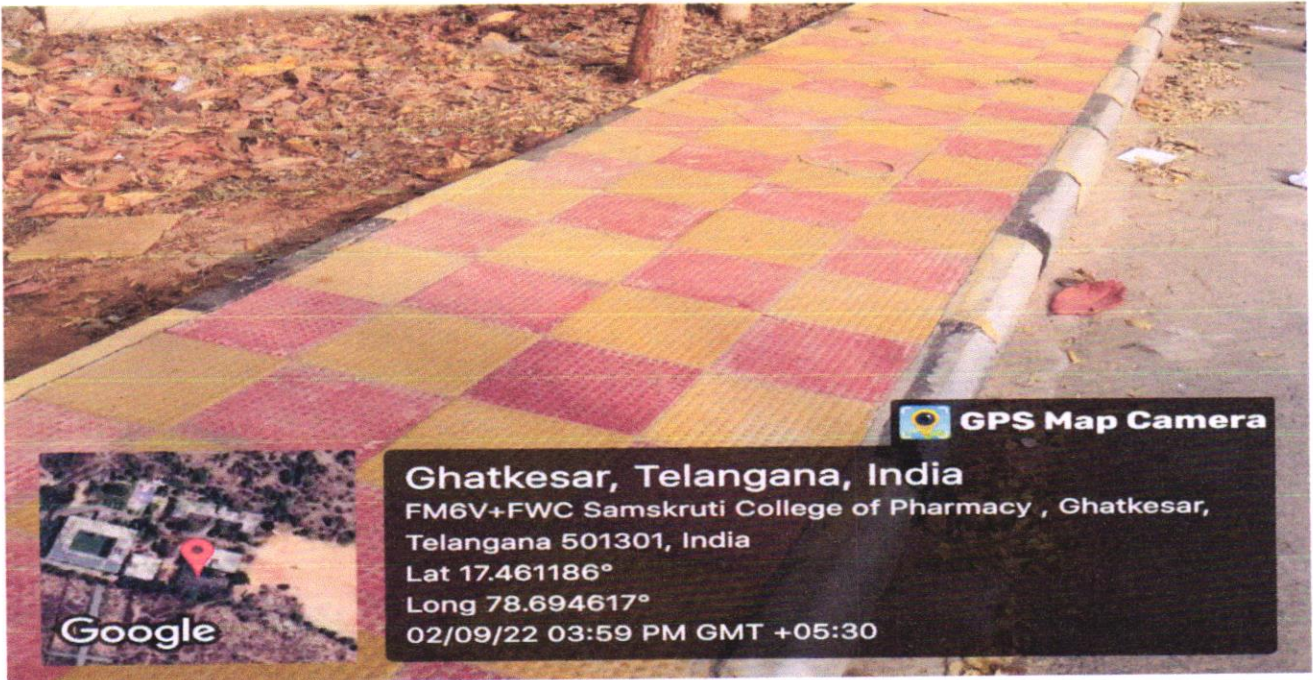


Ghatkesar, Telangana, India
FM6V+FWC Samskruti College of Pharmacy , Ghatkesar, Telangana
501301, India
Lat 17.461186°
Long 78.694617°
02/09/22 10:03 AM GMT +05:30

First Aid Box in the College Bus

Principal

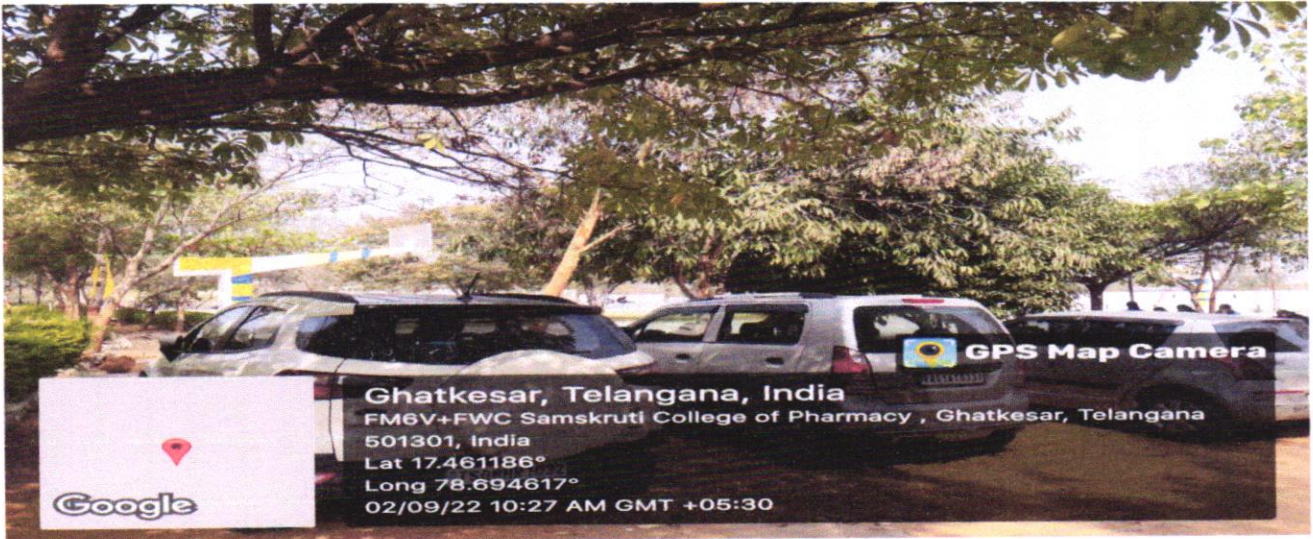
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



Pedestrian friendly pathways at SCOP

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**



Car Parking Place at SCOP



Electronic Vehicle Parking at SCOP



Bicycle Parking at SCOP

Principal
Samskruti College of Pharmacy
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Medchal Dist. PIN-501301

ELECTRICAL ENERGY CONSUMPTION AT SCOP

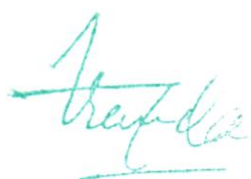


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Medchal Dist. PIN-501301

Green Audit Report, SCOP - 2023

ELECTRICAL CONSUMPTION OF SCOP (2018-2023)							
S.NO	Month	2018	2019	2020	2021	2022	2023
1	January	5,809	8,406	9,499	3,866	7,063	11,037
2	February	14,677	10,863	11,551	6,806	5,815	9,388
3	March	12,819	13,122	12,960	9,040	9,779	10,250
4	April	11,478	16,546	7,917	5,004	17,117	17,601
5	May	11,699	15,897	5,812	7,425	17,573	15,528
6	June	14,263	11,850	5,648	5,826	13,158	18,467
7	July	12,879	16,366	7,108	5,141	16,843	13,826
8	August	15,899	15,805	7,062	9,975	15,080	17,900
9	September	18,005	16,368	6,054	9,984	14,529	15,685
10	October	12,253	11,170	7,651	12,531	9,826	14,135
11	November	13,306	12,395	9,277	10,342	11,569	13,294
12	December	11,950	12,326	8,398	10,317	11,879	
Total (Kwh)		155,037	161,114	98,937	96,257	150,231	157,111



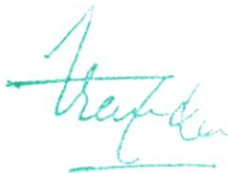
Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Replacement of Tube lights with LED's

S. No	Tube Lights			LEDs Replaced		
	Power Rating	Qty	Total Power	Philips Make		
				Power Rating	Qty	Total Power
1	40 W	83 No	3.32 KW	20 W	144 No	2.88 KW

Total 9.08 KW of power consumption is reduced to 6.2 KW with the replacement of Non-LED Lamps and Tube Lights with LEDs.



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SOLAR ENERGY GENERATION IN SCOP

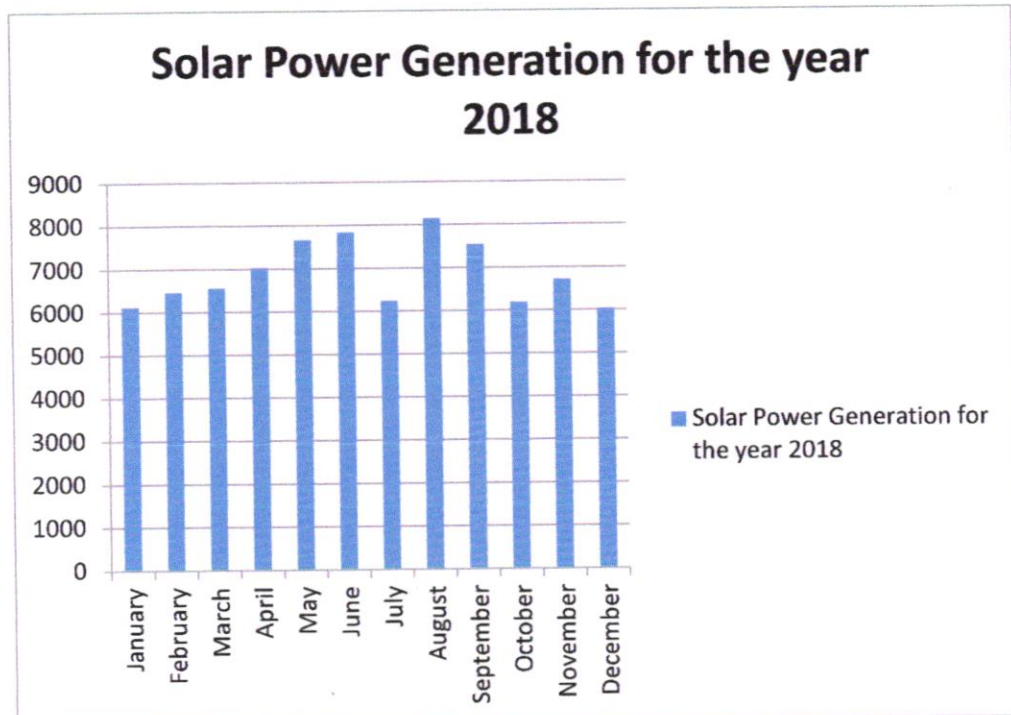


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Medchal Dist. PIN-501301**

Green Audit Report, SCOP - 2023

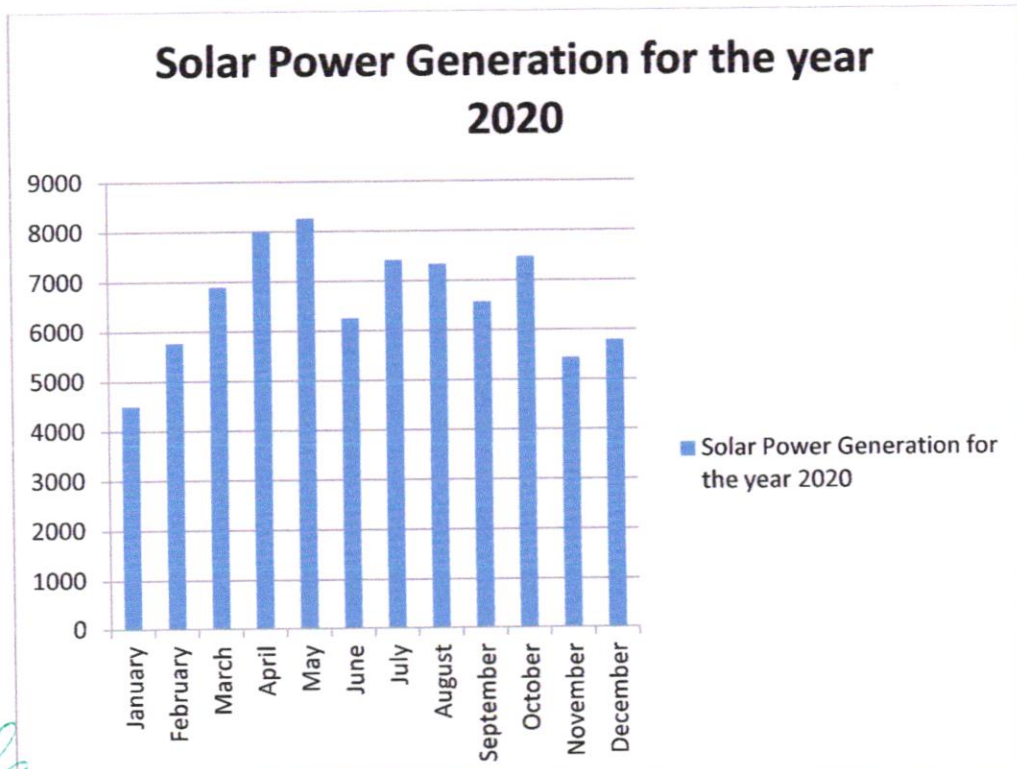
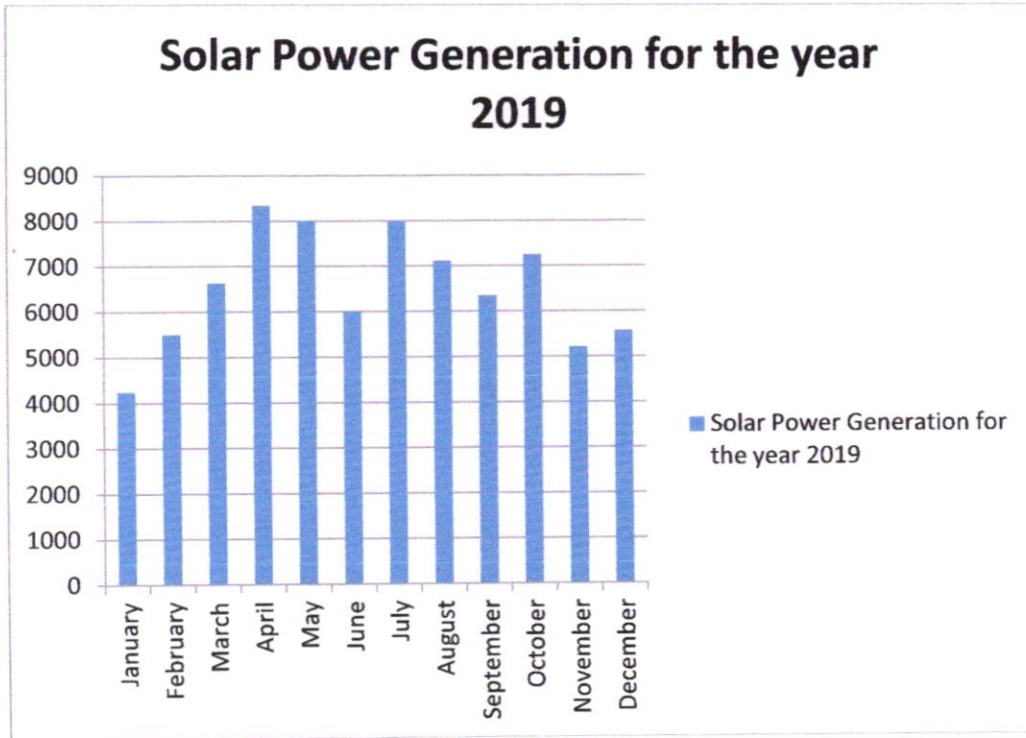
Solar Generation in units (KWh)							
S.NO	Month	2018	2019	2020	2021	2022	2023
1	January	6128	4248	4504	4207	3743	4523
2	February	6472	5512	5768	5471	5007	3214
3	March	6562	6636	6892	6599	6135	3012
4	April	7035	8348	8006	7256	6525	3851
5	May	7671	8018	8270	7425	6241	3974
6	June	7837	6007	6259	5966	5024	3427
7	July	6245	8004	7425	8035	6210	3105
8	August	8154	7118	7342	7121	5241	3586
9	September	7543	6352	6576	6355	5121	2950
10	October	6196	7255	7479	7262	5524	4328
11	November	6726	5214	5438	5221	4749	4120
12	December	6036	5573	5797	5580	4321	
Total (Kwh)		82,605	78,285	79,756	76,498	63,841	40,090



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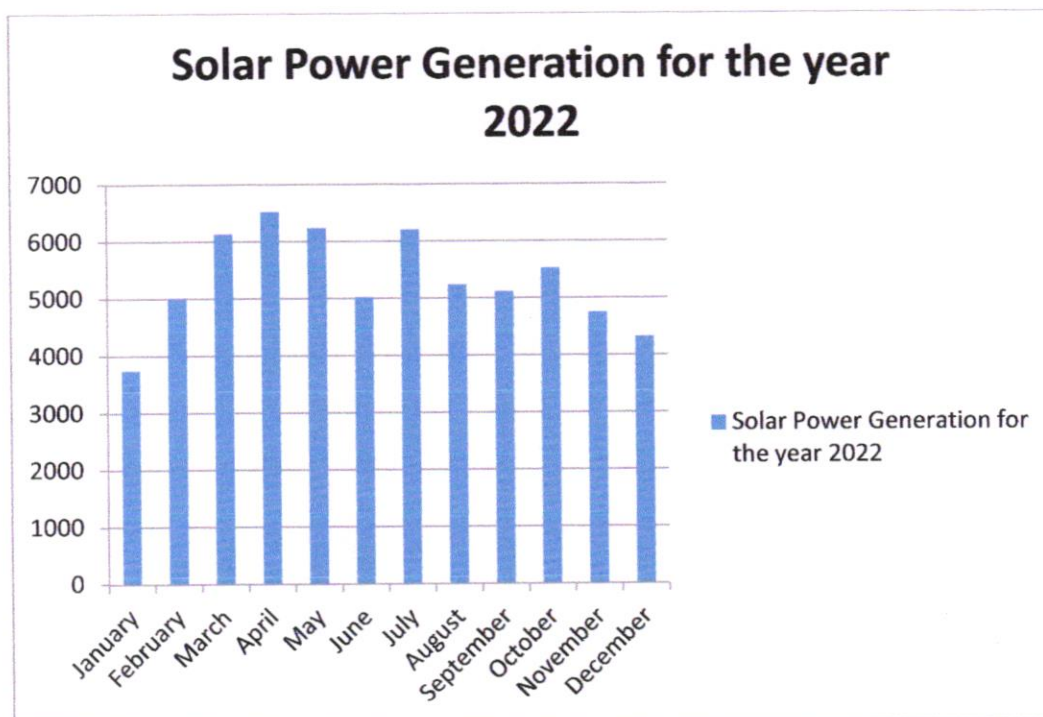
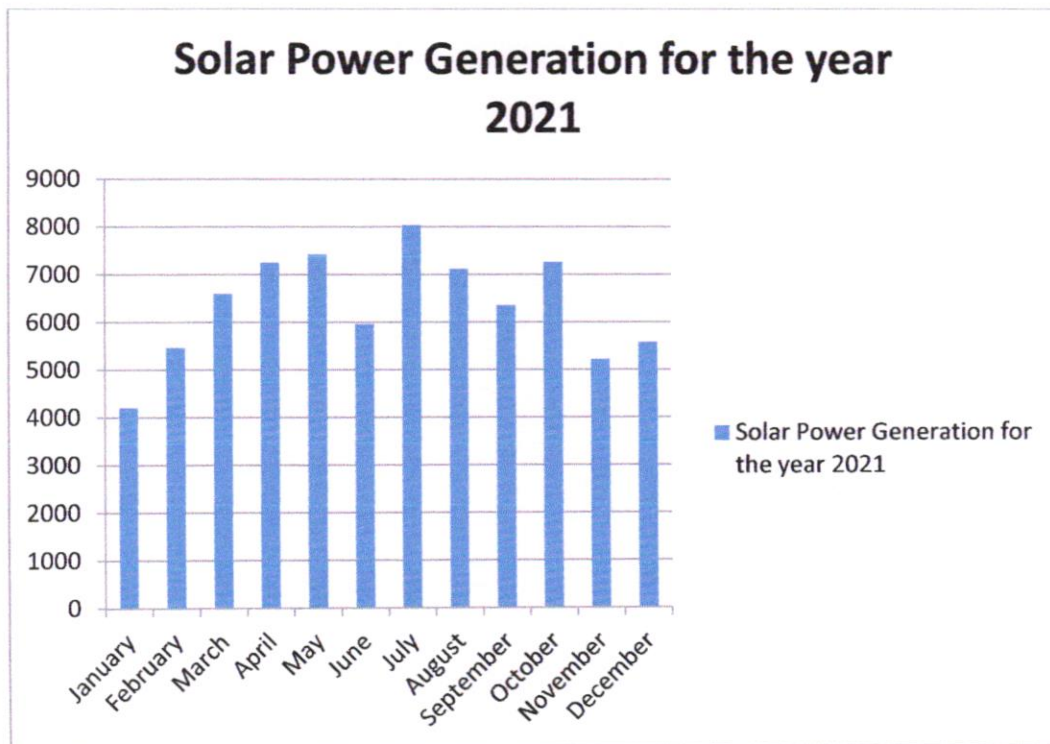
Principal

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Kondapur(V). Ghatkesar(M),
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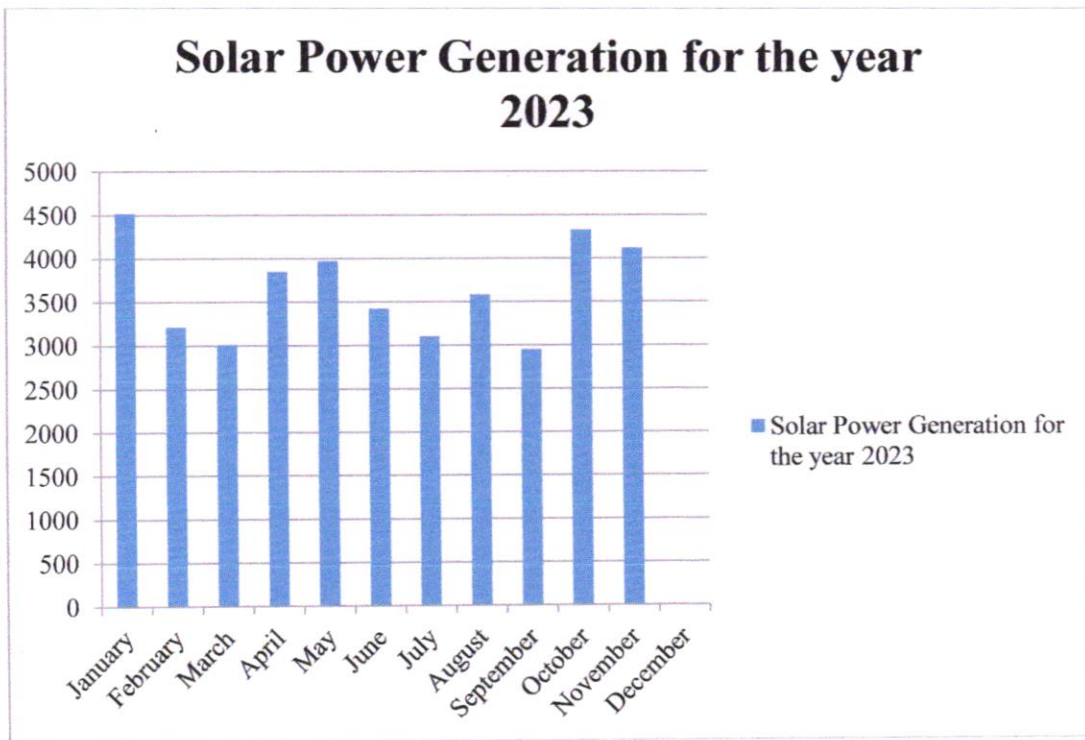
Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**



Principal

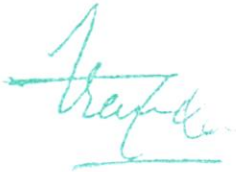
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Medchal Dist. PIN-501301



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
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ENERGY CONSUMPTION AND EXPORT

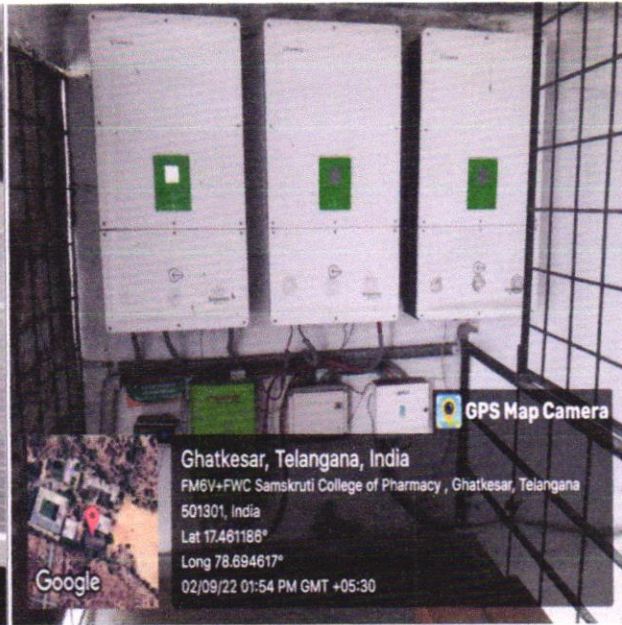
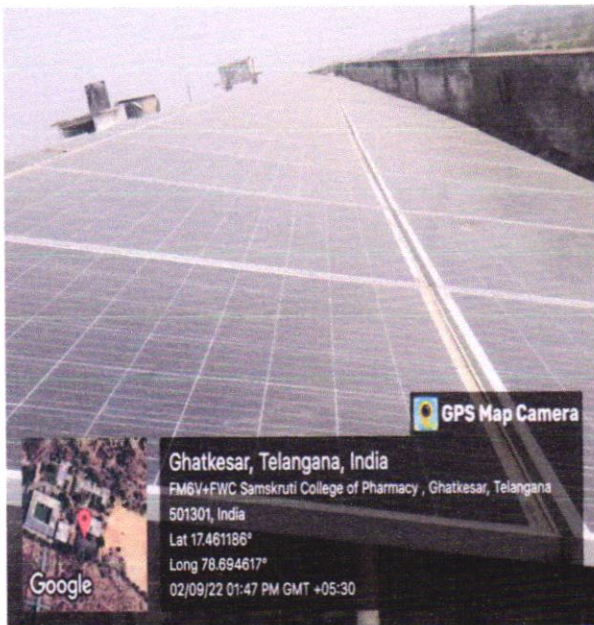


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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2018

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	6128	2992	3136	2673	5809
2	February	6472	1171	5301	9376	14677
3	March	6562	1132	5430	7389	12819
4	April	7035	1516	5519	5959	11478
5	May	7671	1462	6209	5490	11699
6	June	7837	1162	6675	7588	14263
7	July	6245	695	5550	7329	12879
8	August	8154	851	7303	8596	15899
9	September	7543	781	6762	11243	18005
10	October	6196	2084	4112	8141	12253
11	November	6726	1272	5454	7852	13306
12	December	6036	1054	4982	6968	11950
Total (KWh)		82605	16172	66433	88604	155037



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Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2019

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4248	2151	2097	6309	8406
2	February	5512	1305	4207	6656	10863
3	March	6636	923	5713	7409	13122
4	April	8348	1401	6947	9599	16546
5	May	8018	1002	7016	8881	15897
6	June	6007	1199	4808	7042	11850
7	July	8004	321	7683	8683	16366
8	August	7118	738	6380	9425	15805
9	September	6352	701	5651	10717	16368
10	October	7255	1713	5542	5628	11170
11	November	5214	621	4593	7802	12395
12	December	5573	720	4853	7473	12326
Total (KWh)		78285	12795	65490	95624	161114

In addition to making Environmental Studies a very vital subject in our syllabus, SCOP has gone a step further by putting that theory into practice. The energy from this solar installation is helping offset the institute's daytime peak electricity demand from the grid. SCOP with the installation of 64KWp solar rooftop plant and was able to offset 50% of its energy usage from the state grid thus moving towards a more reliable and greener option and reducing its carbon footprint.

The rise in global temperatures year after year poses an existential threat to the planet. The global leaders and the United Nations (UN) have been showing great concerns in various summits and conferences about measures, international laws and agreements to sustainable development and environmental conservation. No wonder, ignorance of this may result in fatal natural disasters, economic bottlenecks resulting in endangered inhabitation. The management and the administration of Samskruti College of Pharmacy in pursuance of "Going towards green" has established a Grid tied solar project to meet the electrical power requirement needs of the college and to preserve natural resources for current and future generations.

Principal

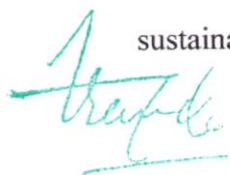
Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2020

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4504	720	3784	5715	9499
2	February	5768	1521	4247	7304	11551
3	March	6892	1293	5599	7361	12960
4	April	8006	2014	5992	1925	7917
5	May	8270	3954	4316	1496	5812
6	June	6259	2658	3601	2047	5648
7	July	7425	1926	5499	1609	7108
8	August	7342	1853	5489	1573	7062
9	September	6576	2438	4138	1916	6054
10	October	7479	3881	3598	4053	7651
11	November	5438	1730	3708	5569	9277
12	December	5797	1959	3838	4560	8398
Total (KWh)		79756	25947	53809	45128	98937

The total capacity of the installation is 64 KWp (kilowatt 'peak' power output) which was established with an initial cost of 41.6lakhs. A total of 204 multi crystalline panels each with 315Wp were installed on rooftops of Engineering college building. The inverter network comprises of 3 units with 25 KVA capacity. The following show typical panel installation.

Even for power failures, solar plant is generating the power with the help of PV_DG Controller. It controls the solar power generation from 1% to 100% as per the load requirement by maintaining spinning reserve of DG at about 25-30%. Apart from this, a 20KVAR APFC panel has installed at incoming main busbar to maintain Unity Power Factor throughout a day.

In future, the college is planning to be self-sufficient for its electrical power requirements by introducing energy efficient lamps, fans and solar streetlights for contributing to the sustainable development and environmental conservation.



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Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2021

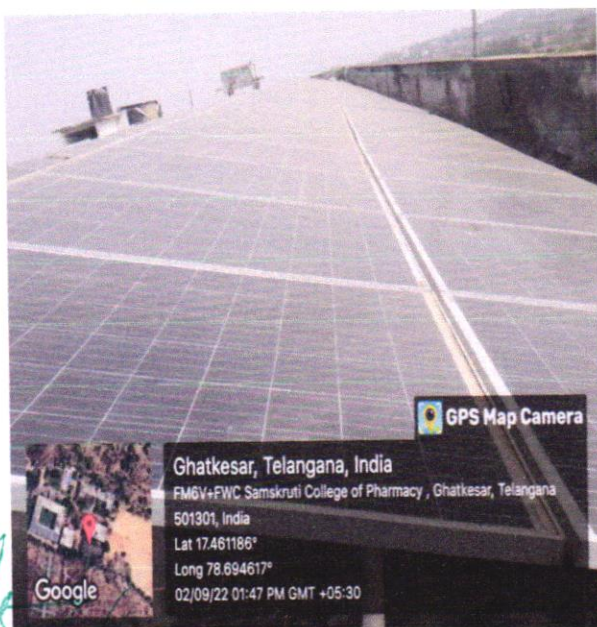
S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4207	2236	1971	1895	3866
2	February	5471	3423	2048	4758	6806
3	March	6599	3040	3559	5481	9040
4	April	7256	3852	3404	1600	5004
5	May	7425	1601	5824	1601	7425
6	June	5966	1300	4666	1160	5826
7	July	8035	5107	2928	2213	5141
8	August	7121	2854	4267	5708	9975
9	September	6355	812	5543	4441	9984
10	October	7262	1299	5963	6568	12531
11	November	5221	1893	3328	7014	10342
12	December	5580	605	4975	5342	10317
Total (KWh)		76498	28022	48476	47781	96257

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2022

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	3743	1227	2516	4547	7063
2	February	5007	3239	1768	4047	5815
3	March	6135	584	5551	4228	9779
4	April	6525	860	5665	11452	17117
5	May	6241	748	5493	12080	17573
6	June	5024	556	4468	8690	13158
7	July	6210	163	6047	10796	16843
8	August	5241	305	4936	10144	15080
9	September	5121	734	4387	10142	14529
10	October	5524	1360	4164	5662	9826
11	November	4749	1356	3393	8176	11569
12	December	4321	428	3893	7986	11879
Total (KWh)		63841	11560	52281	97950	150231

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2023

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4523	1316	3207	7830	11037
2	February	3214	1000	2214	7174	9388
3	March	3012	676	2336	7914	10250
4	April	3851	551	3300	14301	17601
5	May	3974	309	3665	11863	15528
6	June	3427	175	3252	15215	18467
7	July	3105	211	2894	10932	13826
8	August	3586	120	3466	14434	17900
9	September	2950	180	2770	12915	15685
10	October	4328	494	3834	10301	14135
11	November	4120	1082	3038	10256	13294
12	December					
Total (KWh)		40090	6114	33976	123135	157111



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EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVEYEARS



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Medchal Dist. PIN-501301

EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS

Financial Year	Garden Maintenance (Rs)	Purchase of LED's (Rs)	Renewable sources (Solar lamps) (Rs)	Total (Rs.)
2018 - 2019	1,44,200/-			1,44,200/-
2019 - 2020	1,50,000/-			1,50,000/-
2020 - 2021	2,08,100/-	1300/-		2,09,400/-
2021 - 2022	2,46,835/-			2,46,835/-
2022-2023	2,15,000/-	10,560/-	-	2,25,560/-

-----THE END-----



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Energy Management System in accordance with

ISO 50001:2018

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181201R-EM

Certificate Number

31 December 2022

Date of Last Issue

31 December 2018

Date of Initial Registration

30 December 2023

Date of Expiry



Certificate is Valid for 2 Years (31.12.2022 to 30.12.2024) From the
Date of Last Issue. Upon Successful Completion of Surveillance
Audit New Certificate With an Extended Validity will be issued.

Signed on behalf of GMCSPL

Global Management Certification Services Pvt.Ltd.

#402, Plot No 410, Matrurri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India
www.mcsglobal.in, E.mail info@mcsglobal.in

Accredited by Quality Accreditation Council, Accreditation No.:16102, www.qac.in.org
This certificate is the property of GMCSPL, and shall be returned upon request by GMCSPL
The Registration does not assure the quality of yields under the firm's production.

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Medchal Dist. PIN-501301

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies an Environmental Management System in accordance with

ISO 14001:2015

For the scope of activities :

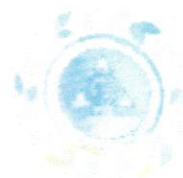
Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181202R-E
Certificate Number

31 December 2022
Date of Last Issue

31 December 2018
Date of Initial Registration

30 December 2023
Date of Expiry



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Certificate of Registration

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SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Quality Management System in accordance with

ISO 9001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

Q-211211

Certificate Number

31 December 2022

Date of Last Issue

31 December 2018


Date of Initial Registration

30 December 2023

Date of Expiry



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Samskruti College of Pharmaco,
Kondapur (V), Ghatkesar (M),
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GREEN AUDIT REPORT

2021-2022



**Samskruti college of pharmacy:: Ghatkesar
Kondapur, Ghatkesar, Telangana**

Accredited by NAAC

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Green Audit Assessment Team




**K.Siva Naga Prasad, Lead Auditor
EMS/EnMS**




K.V.Murthy, Lead Auditor EMS/EnMS




Ch.RamaRao, Lead Auditor EMS/EnMS



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

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Sr. No.	Titles/Topics
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5	VISION & MISSION STATEMENT
6	GREEN AUDITING
7	LAND USE ANALYSIS AT SCOP
8	GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE
9	TREE DIVERSITY OF SCOP
10	FAUNAL DIVERSITY IN SCOP
11	FLORAL DIVERSITY IN SCOP
12	WEATHER DATA OF SCOP
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Samskruti College of Pharmacy
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INTRODUCTION



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

INTRODUCTION

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is an important process for any college or institution to determine how and where they are using the most energy or water or other resources; based on which the college can then consider how to implement changes and make savings. It can create health consciousness and promote environmental awareness, values and ethics. It provides the staff and students a better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it can also be stated that institutional self-enquiry is a natural and necessary outgrowth of any quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is becoming more prevalent.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric CO₂ from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through carbon footprint reduction measures.



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OBJECTIVES



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

OBJECTIVES

In recent time, the Green Audit of an institution has been becoming a paramount importance for self- assessment of the institution which reflects the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep our environment clean since its inception. Therefore, the purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green audit are:

- To map the geographical location of the institution.
- To document the floral and faunal diversity of the college.
- To record the meteorological parameter of SCOP where the college is situated.
- To document the ambient environmental condition of weather, air, water and noise of the college.
- To document the waste disposal system.
- To estimate the Energy requirements of the college.
- To report the expenditure on green initiatives during the last five years.



Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

METHODOLOGY



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

METHODOLOGY

The purpose of the green audit of SCOP is to ensure that the practices followed in the campus are in accordance with the Green Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
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ABOUT THE COLLEGE



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

ABOUT THE COLLEGE

The **Samskruti College of Pharmacy**, one of the four educational institutions sponsored by the Vincent Education Society, was established in 2006 with a vision to impart quality technical education and is affiliated to Jawaharlal Nehru Technological University Hyderabad. The College is a little away from the din and bustle of Ghatkesar, a town with a historic and hoary past, about 15 Km. south of Hyderabad on Hyderabad-Warangal highway and rail route. The college offers B.Pharmacy, Pharm.D, Pharm.D(PB) and M.Pharmacy in six specializations of Pharmacy- Pharmaceutics, Pharmaceutical Analysis, Pharmacology, Pharmaceutical Chemistry, Pharmacy Practice and Regulatory Affairs.

Programmes offered by the institution

S.NO	Programme Code	Programme Name
01	1R	B.Pharmacy
02	1T	Pharm.D
03	5T	Pharm.D (PB)
04	S03	M. Pharmacy-Pharmaceutics
05	S12	M.Pharmacy-Pharmaceutical Analysis
06	S13	M.Pharmacy-Regulator Affairs
07	S15	M.Pharmacy-Pharmacy Practice
08	S02	M.Pharmacy-Pharmaceutical Chemistry
09	S01	M.Pharmacy-Pharmacology



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Kondapur(V). Ghatkesar(M),
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VISION AND MISSION STATEMENTS



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Vision

- To be center of excellence by redefining pharmacy education and nurture globally competent professional pharmacists.
- To empower the faculty and students with knowledge, skills and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of Pharmacy, clinical research and interdisciplinary endeavors.

Mission

- To train and develop students into professional pharmacists so as to fulfill the industrial and community needs. To shoulder the responsibility of reducing the suffering mankind by providing pharmaceutical care.
- To maintain high values and standards so as to make students technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.



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GREEN AUDITING



Principal
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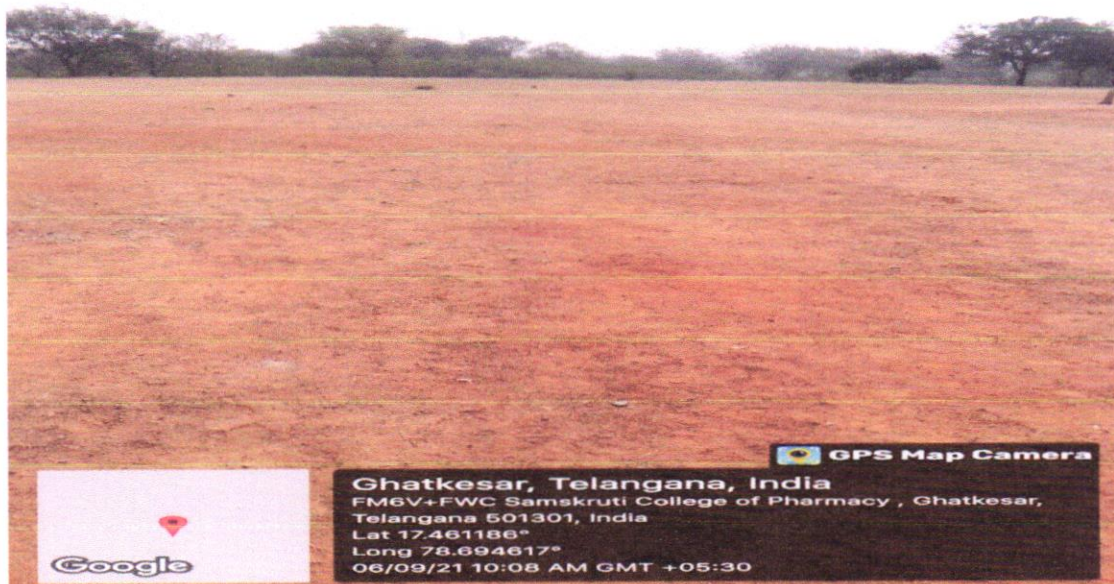
GREEN AUDITING

Samskruti College of Pharmacy has been taken several initiatives to transform the college as “Green Campus” and adopted the ‘Green Campus’ system for environmental conservation in order to achieve environmental sustainability. The institute has initiated and planted variety of plant species to encourage and enhance the Biodiversity aspect of the campus. Due the Green initiative adopted by the institute, the campus temperatures were reduced and contributes on the adverse impacts of Global warming. The Students are enabled to pursue their pharmacy higher education comfortably at Green Campus and eco-friendly study environment. Rainwater harvesting system was implemented to meet the needs for plantation.



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The solid waste will be collected from all the sources such as from Kitchen, bathrooms inside the canteen which includes papers, plastics, foods, metals, glass etc. and it will be segregated from source of generation. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block workers in each floor collect, clean, segregate and compile the waste in the dustbins provided at each floor. The floor dustbins are emptied in movable containers provided for each block and is taken to the dumping yard provided by the college. The college has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them at the landfills authorized by the government. For drinking, mineral water facility is arranged in every building of the campus. Wastage of drinking water is restricted through proper monitoring. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings of the campus. Awareness towards minimizing the wastage of water is spread at regular intervals among the students.

The college was located in 5.2 acres of land area. The three major pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO₂emission, energy and water use, while creating atmosphere where students can learn and be healthy.

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LAND USE ANALYSIS OF SCOP



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LAND USE ANALYSIS, SCOP

GENERAL OVERVIEW OF THE CONCEPT OF LAND USE

Land use refers to man's activities and the various uses which are carried on and derived from land. Viewing the earth from space, it is now very crucial in man's activities on natural resource. In situations of rapid changes in land use, observations of the Earth from space give the information of human activities and utilization of the landscape.

Remote sensing GIS techniques are now providing new tools for advanced land use mapping and planning. The collection of remotely sensed data facilitates the synoptic analyses of earth system, functions, patterning and change in the local, regional as well as at global scales over time. Satellite imagery particularly is a valuable tool for generating land use map.

METHODOLOGY ADOPTED FOR LAND USE MAPPING

Three types of data that are GPS points, field survey data and Google earth data for geo referencing have been used in this study.

DATA PROCESSING AND ANALYSIS

Land use map preparation is executed through the following steps:

Acquisition of data (latitude and longitudinal data) Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land usage have also been prepared.

Therefore, attempt has been made in this study to map land use for SCOP with a view to detect the land consumption in the built-up land area using both remote sensing and GIS techniques.



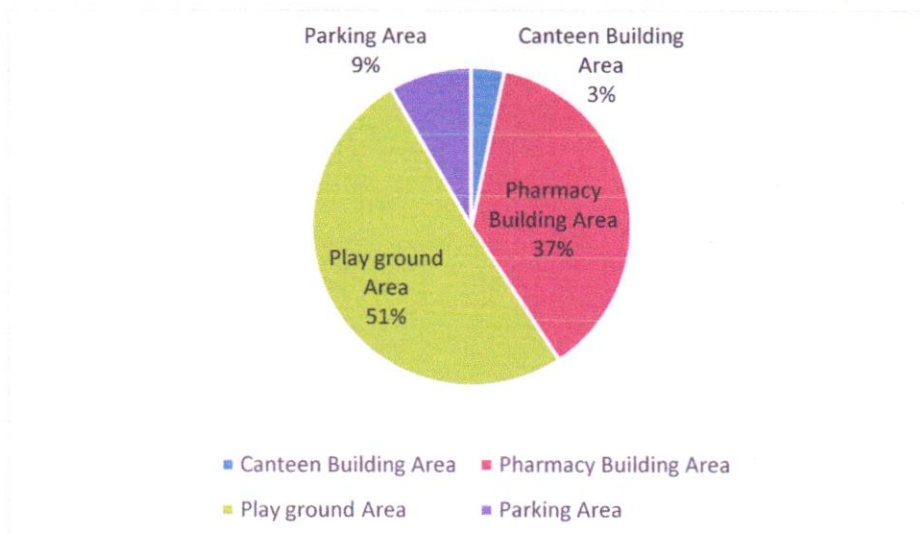
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LAND USE DATA OF SCOP, Ghatkesar

Canteen Building Area	AREA (sq.meter)
Administrative Area (Inside the Pharmacy Building)	500
Canteen Building Area	400
Pharmacy Building Area	4456
Play ground Area	6070.28
Parking Area	1000
Total Area	11,926.28

LAND USE ANALYSIS, Samskruti College of Pharmacy, Ghatkesar, Hyderabad



LAND USE (BUILT UP AREA) ANALYSIS

The built up area of 40 % (4865.0 m²) consists of the following regions as stated below for land consumption in built-up area for Samskruti College of Pharmacy.

FINDINGS

SCOP, which was established in the year 2006, has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance. Its land use is such that about 60% of the total area is occupied by open land and plantation that generates a better and sustainable campus environment.

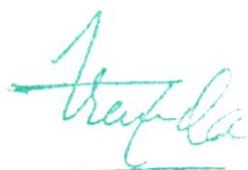
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**Samskruti College of Pharmacy
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Area occupied by various buildings of SCOP

Instructional Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Measurements of room (in Sq.mts.)			
			Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	1	205	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	206	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	208	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	306	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	307	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	308	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	309	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	410	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	403	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	411	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	404	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	407	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	101	3.58	9.15	3.66	32.575
CANTEEN BUILDING	1	102	7.5	9.15	3.66	68.625
CANTEEN BUILDING	1	104	15.0	9.15	3.66	137.25
CANTEEN BUILDING	1	106	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	107	7.5	9.15	3.66	68.625

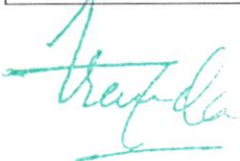


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Lab Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	0	102	7.21	9.15	3.66	66.02
SAMSKRUTI COLLEGE OF PHARMACY	0	106	7.39	9.15	3.66	67.795
SAMSKRUTI COLLEGE OF PHARMACY	0	107	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	0	108	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	0	109	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	1	201	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	202	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	203	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	204	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	210	1.79	9.15	3.66	16.37
SAMSKRUTI COLLEGE OF PHARMACY	2	301	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	2	305	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	2	310	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	401	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	402	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	406	18.83	9.15	3.66	172.32
SAMSKRUTI COLLEGE OF PHARMACY	3	408	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	409	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	412	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	413	7.5	9.15	3.66	68.5
CANTEEN BUILDING	1	105	7.5	9.15	3.66	68.5



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GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

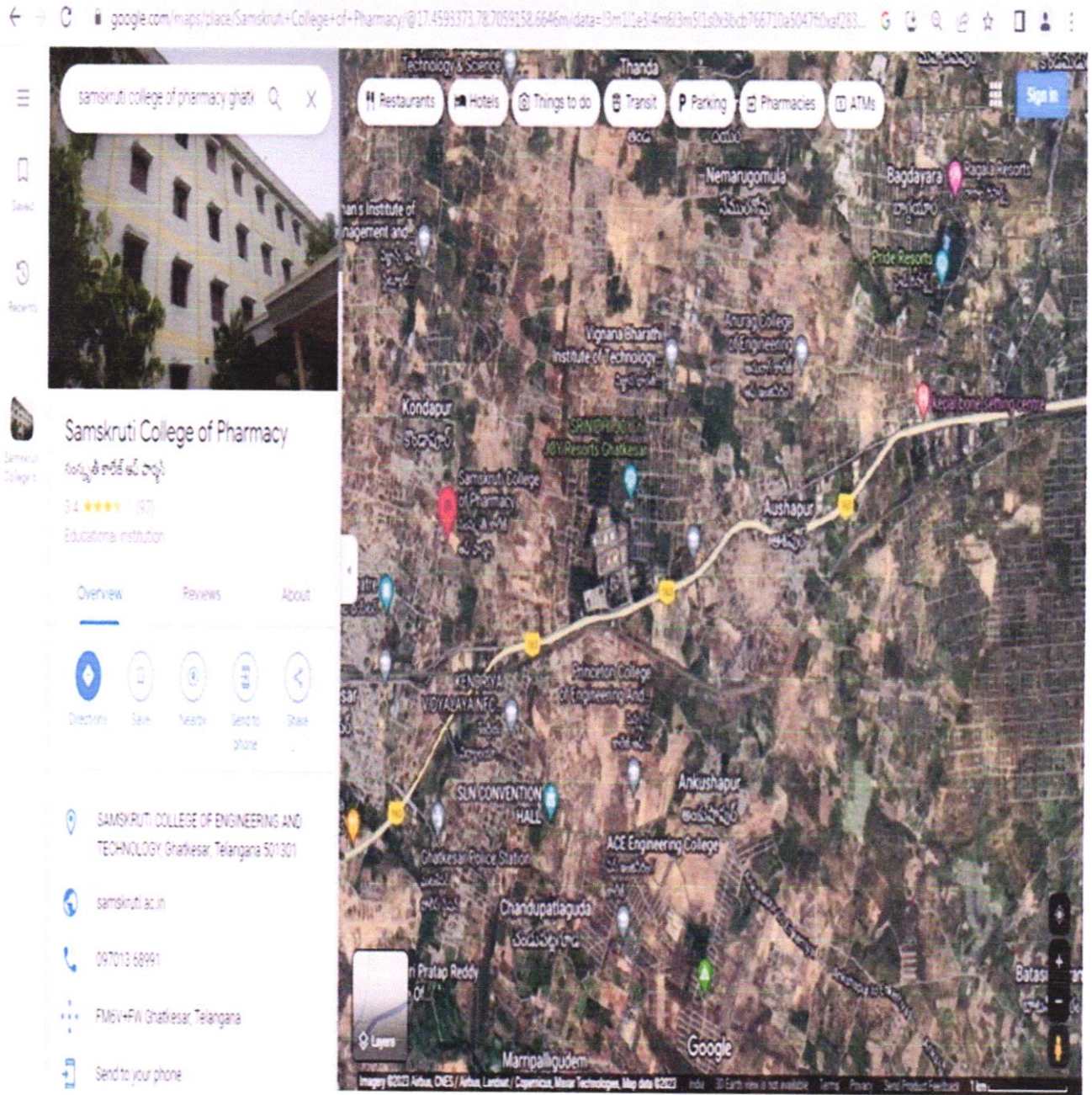


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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

The college has a sprawling pollution-free campus spread over 5.2 acres of land very near to the Kondapur village, Ghatkesar Mandal of Medchal District.



Google Map of College Campus and Location map screen shot

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

TREE DIVERSITY OF SCOP



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

TREE DIVERSITY OF SCOP, Ghatkesar.

SCOP is within the geo-position between latitude N 17°27'42.69092" and longitude E78°41'40.9683" in SCOP, Telangana, India. It encompasses an area of about 30 Acres. The area is immense diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organized by the authority and have become an integral part of the college.

The trees of the college have increased the quality of life, in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. Many species of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favorite of birds and many insects.

Leaf covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colors. Even individual trees vary their appearance throughout the course of the year as the seasons change. The strength, long lifespan and regal stature of trees give them a monument – like quality They also remind us the glorious history of SCOP and our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day.

A thick belt of large shady trees in the periphery of the college have found be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire SCOP town and its surrounding areas.

“Green audit” is a principle introduced to make the educational institute environmentally sustainable. The purpose of the green audit is to ensure that the Green Policy is followed and implemented in the campus. Samskruti college of Pharmacy implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. As a part of such practice, internal environmental audit (Green Audit) is conducted to evaluate the actual scenario on the campus. A survey on trees and other greeneries within the

campus was done by the students.

Principal

Green Audit Report, SCOP-2022

The following are the tree species with whom we are being attached:

S.No.	Common Name	Scientific Name	Number
1	Nalleru	Cissus quadrangularis	02
2	Kamanchi	Solanum Nigrum	03
3	Lemon grass	Cymbogon	02
4	Ranapala	Bryophillum pinnatum	01
5	Tulasi	Sciumu	05
6	Attipatti	Mlmosa pudica	07
7	Kanakambaram	Crossandrain fundibuliformis	04
8	Fiery Costus	Chamaecostus Cuspidatus	02
9	Cayenne jasmine	Catharanthus roseus	02
10	Guava	Pisidium guava	06
11	Anjeer	Ficus Carica	01
12	Parijata	Cestrum Nocturnum	02
13	Indian plum	Ziziphus mauritiana	07
14	Sago palm	Cycas	02
15	Jennifer	Aster ericoides	01
16	Pomegranate	Punica granatum	03
17	Aloevera	Aloe barbadensis	18
18	Sea hibiscus	Talipara	02
19	Vepachettu	Azadirachta indica	20
20	Nereduchettu	Syzygiumcumini (L.) Skeels	02
21	Coconut	Cocos nucifera	04
22	Christmas Tree	Araucaria columnaris	06
23	Oyster plant	tradiscantia	03
24	Badam	Terminalia catappa	08
25	Usirikaaya	Phyllanthus emblica	04
26	Kanuga	Millettia Pinnata	09
27	Mango	Mangifera indica	03
28	Marri chettu	Ficus benghalensis	02
29	Raavi chettu	Ficus religiosa	04
30	Seethaphalam	Annona reticulata	02
31	Pala chettu	Alstonias cholaris	04
32	Sapota	Manilkara zapota	04
33	Drumstick	Moringa oleifera	02

Principal

Green Audit Report, SCOP-2022

34	Henna Tree	Lawsonia inermis	03
35	Oyster plant	Tradescantia	03
36	Blue flowered rattle pod	Crotalaria vessucosa L	03
37	Orchid plant	Cymbidium orchid	01
38	Lane puwak	Areca concinna	02
39	Peacock flower	Caesalpinia pulcberrima	08
40	Lantana camera flowers	Lantana camera	05
41	Parthenium (santa maria fever few)	Parthenium hysterophorus	20
42	Orchidtree (kanchon)	Bauhinia variegata	04
43	Sickle pod	Senna obtusifolia	07
44	Achar / chironji tree seeds	Buchananialanzan	01
45	Vampadan climbing shrub	Ventilago madeaspatana	03
46	Lebeck tree	Langil	05
47	Indian cork tree	Millingtonia hortensis linn.F	07
48	Veld grape	Cissus quadrangularis	02
49	Cheese wood	Pittosporum tobira	06
50	Paper flower	Bougainvillea glabra	04
51	nilgiri	Eucalyptus globulus	05
52	Crown of thorns	Euphorbia millivar	15
53	Papaya	Carica papaya	02
54	Fire cracker flower	Crossan drain fundibuiiformis	02
55	Chamanthi	crysanthemum	02
56	Ixora coccinia	Rubiaceae	02
57	Jasminum cuspidatum	Oleaceae	03
58	Lawsoniainermis	Lythraceae	03
59	Mangiferaindica	Anacardiaceae	03
60	Screwpine	Pandanus veitchi	04
61	Lancepod	Loncho carpus costaricensis	03
62	Earpod tree	Enterolobium cyclocarpum	20
63	Nontry cypress	Cypressus and macrocarpa	06
64	Weeping fig	Ficus bengamina	07
65	Coat buttons	Tridax procumbens	06
66	Indian pulai	Alstroniascholaris	01
67	Brush berry	Tabebuia roser	03
68	Brush berry	Syzygiamaustrale	02

Principal

Green Audit Report, SCOP-2022

69	Oyster	Tradescantia spathacea	02
70	Good luck plant	Cordyline fruticosa	01
71	Pergularia	Pergularia tomentosa	01
72	Cape honey suckle	Tecomaria capensis	07
73	Madagascar periwinkle	Catharanthus roseus	07
74	Phoenix Dactylifera	Areaceae	03



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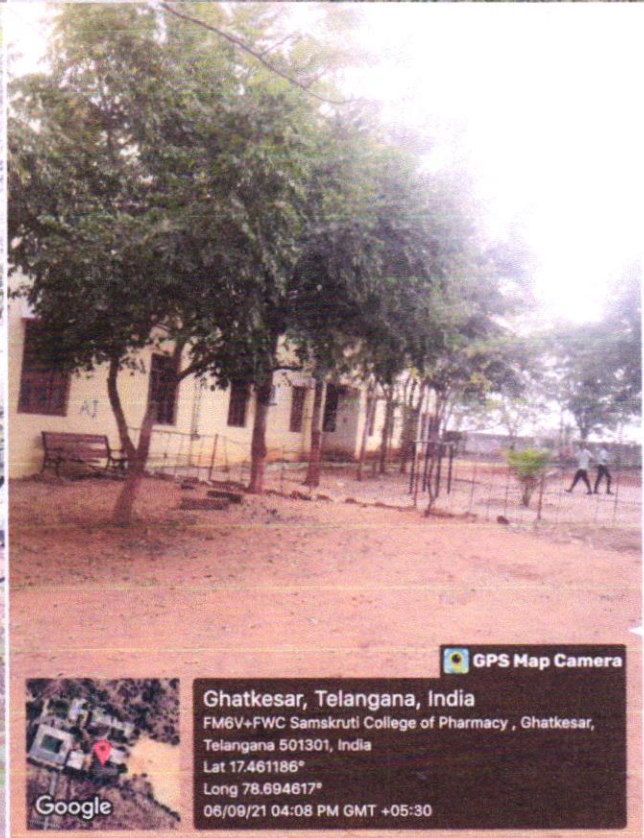
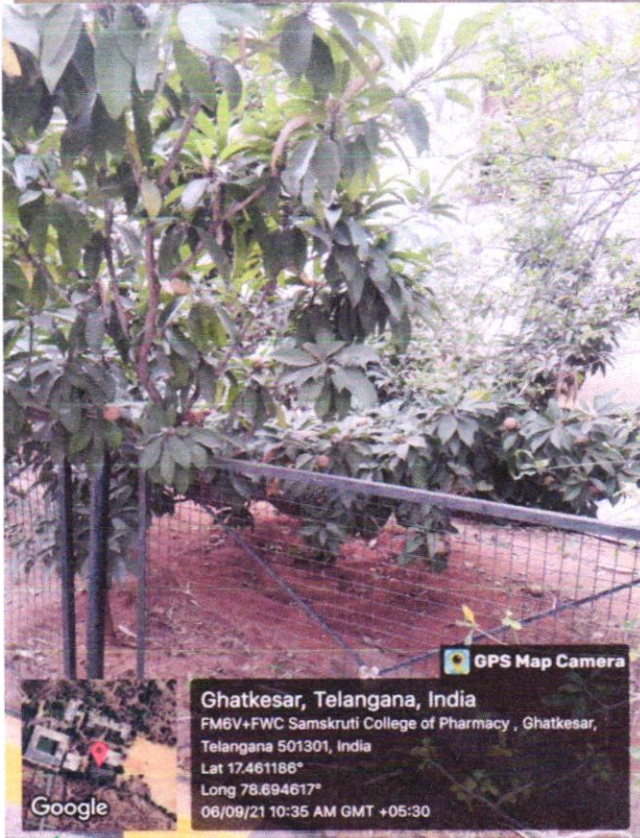
Plantation Photos



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Green Audit Report, SCOP-2022



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Main Entrance – Samskruti Group of Institutions



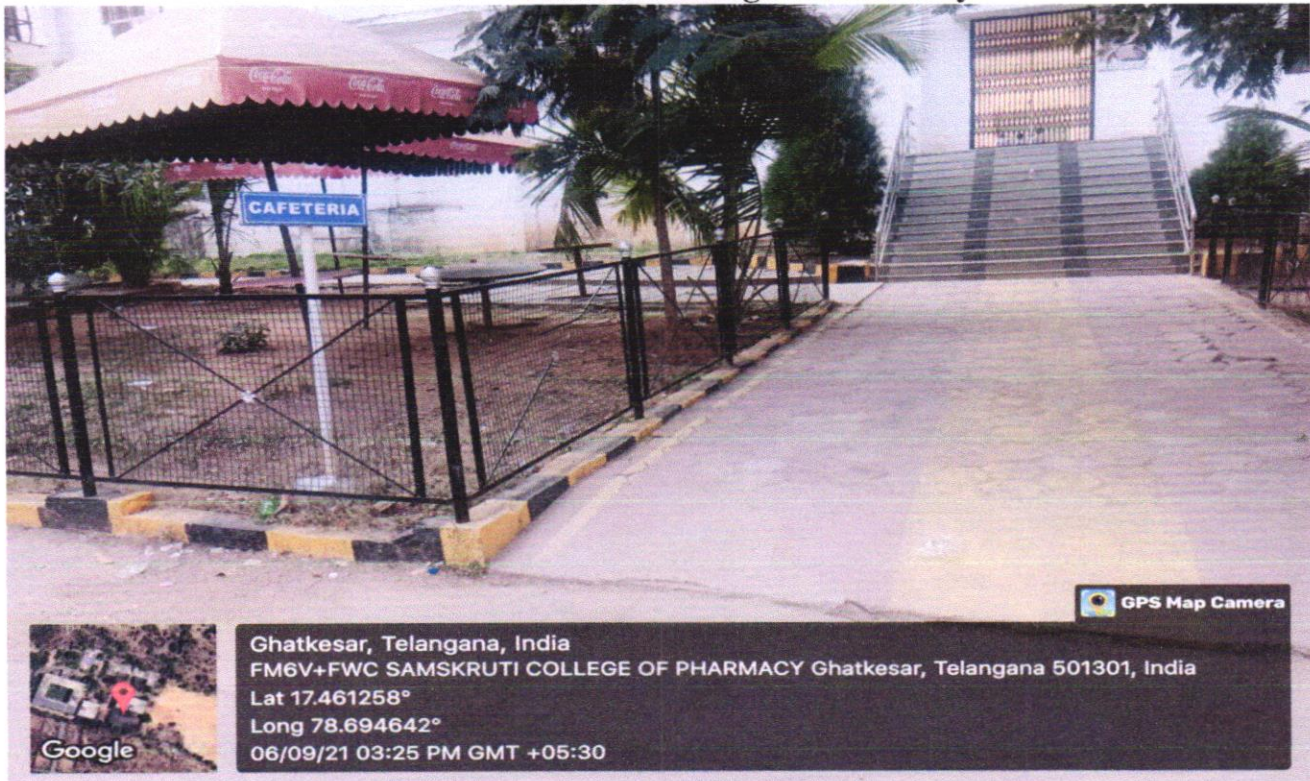
College Building – Samskruti College of Pharmacy



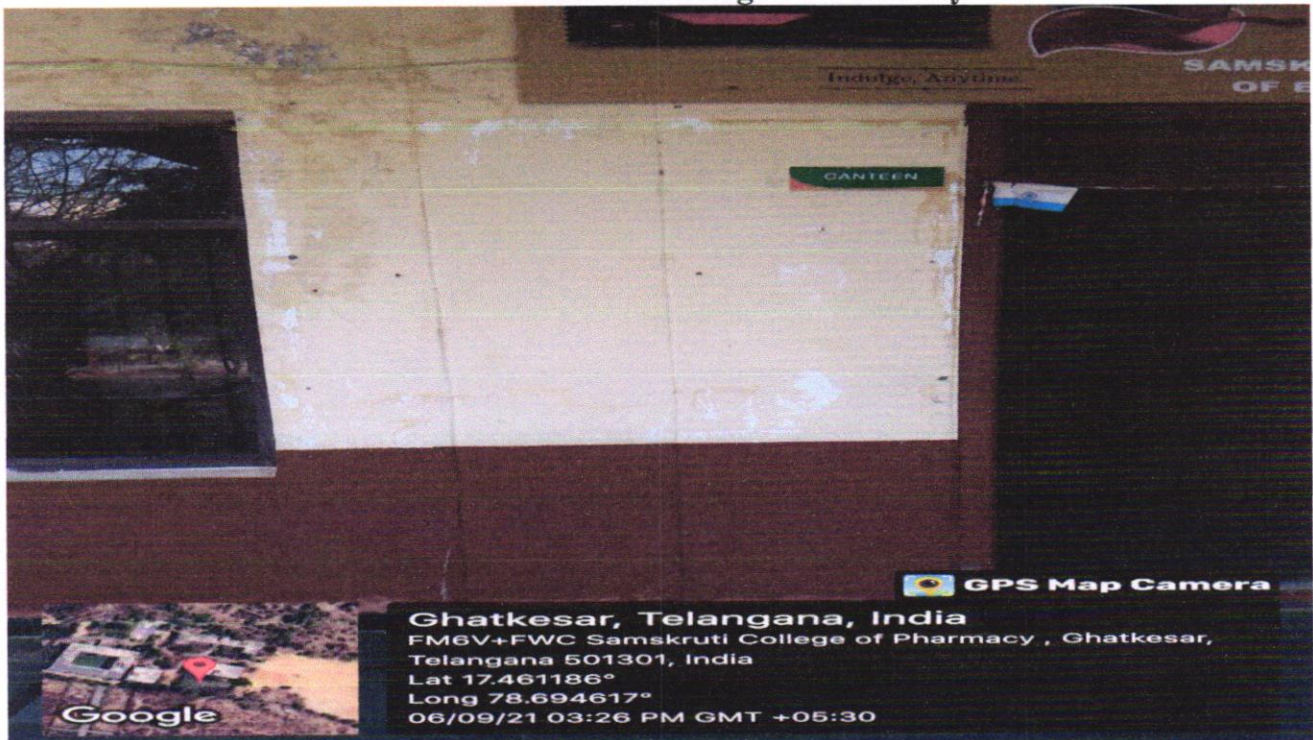
Handwritten signature
Principal

**Samskruti College of Pharmacy
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Cafeteria – Samskruti College of Pharmacy



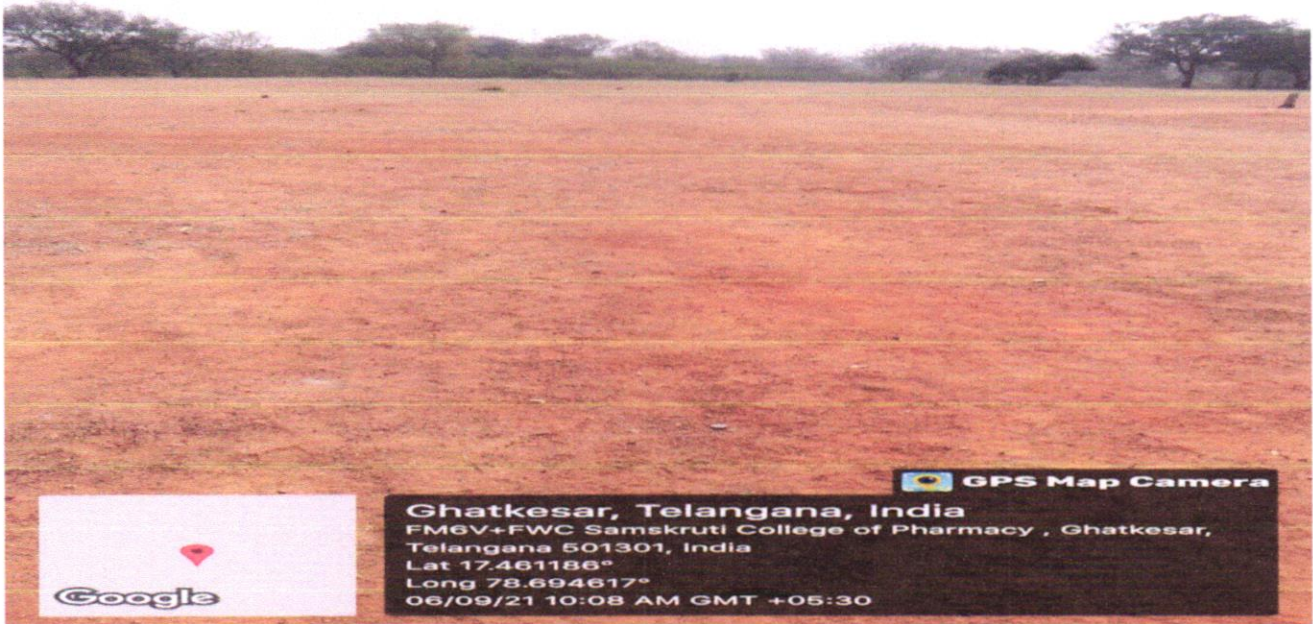
Canteen – Samskruti College of Pharmacy



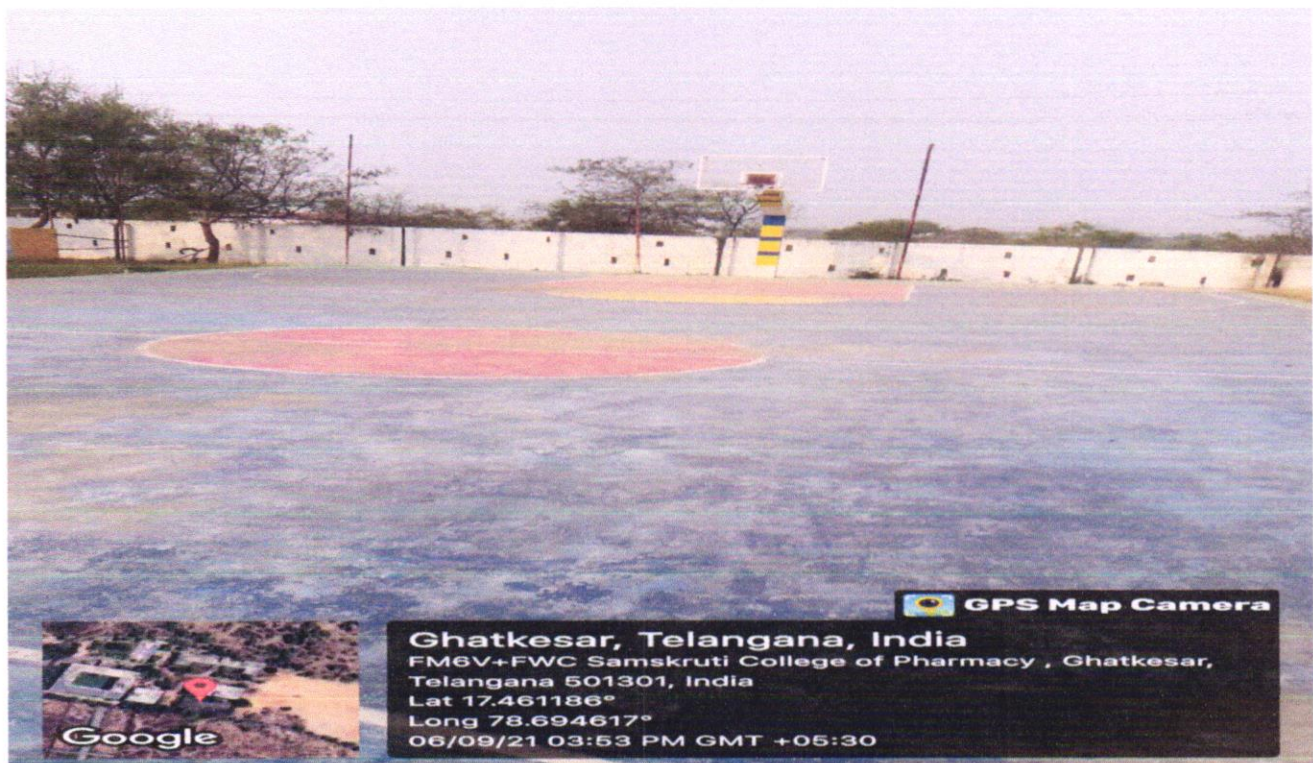
Principal

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Play Ground – Samskruti College of Pharmacy



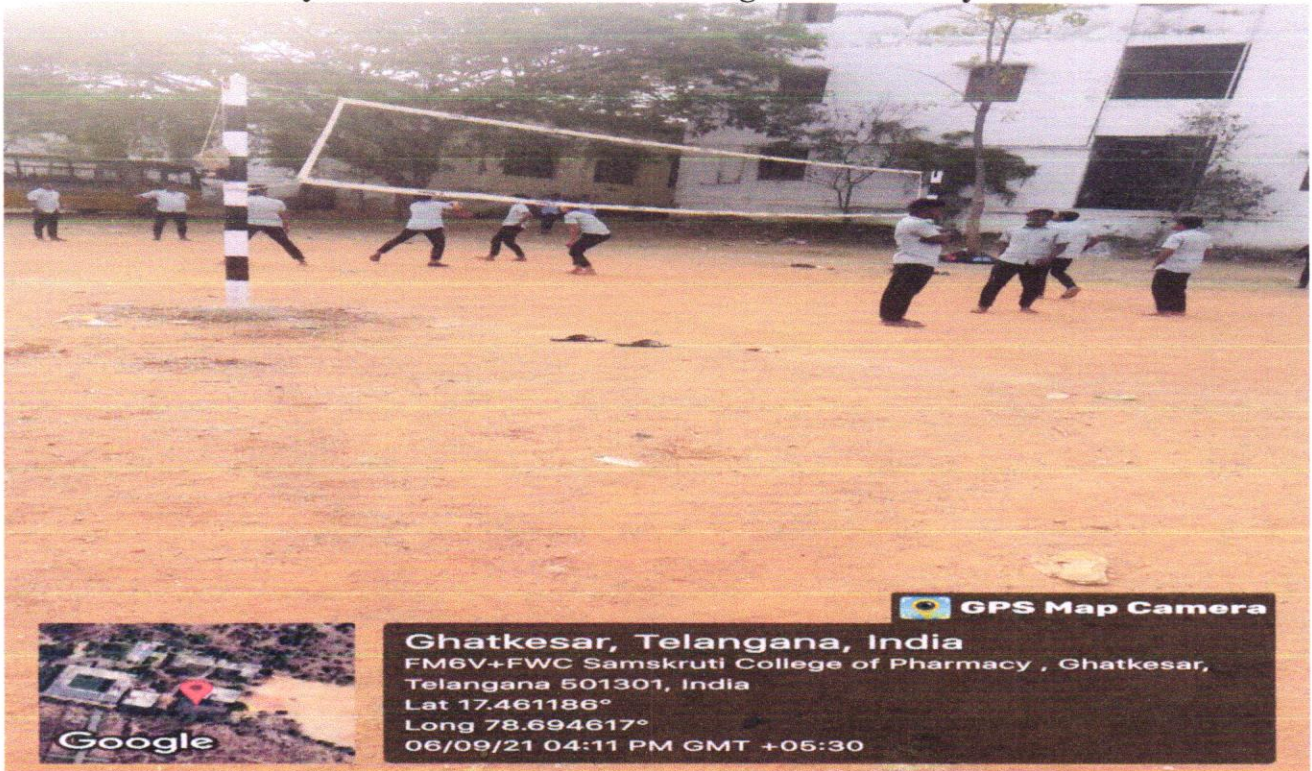
Basket ball court – Samskruti College Of Pharmacy



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Volleyball court – Samskruti College Of Pharmacy



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FAUNAL DIVERSITY IN SCOP



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Samskruti College of Pharmacy
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FAUNAL DIVERSITY IN SCOP

SCOP is located in District of Medchal, Telangana India. The highest temperature is recorded 42⁰ C just prior to the onset of monsoon (around May- early June). Summer rain is normal, and is principally caused from late June to August by the moisture-laden South- West Monsoon, on striking the Himalayan foothills of the north. The climatic condition of the SCOP district as a whole and SCOP in particular is very suitable for a wide variety of flora and fauna to support its rich biodiversity. The faunal Diversity of SCOP campus has been studied and documented as below:

S.No	CommonName	ScientificName
1.	Common Myna	Acridotheres Tristis
2.	House Sparrow	Passer Domesticus
3.	House Crow	Corvus Splendens
4.	Cuckoo	Cuculidae
5.	Snake	Naja Naja
6.	Yellow Wasp	Ropalidia Marginata
7.	Butter Fly	Danaus Genutia
8.	Honey bees	Apis
9.	Common Wood shrike	Tephrodornis Pondicerianus
10.	Pied Myna	Gracupica Contra
11.	Red-Vented Bulbul	Pycnonotus Cafer
12.	Skylark	Aluda Gulgula
13.	Garden Tiger Moth	Arctia Caja
14.	Little Owl	Athene Brama
15.	Oleander Moth	Syntomeida Epilais
16.	Slender Skimmer	Orthetrum Sabina
17.	Lizard	Indian Garden Lizard
18.	peacocks	Pavo cristatus
19.	Grass Hopper	Orthoptera
20.	Squirrel	Sciuridae
21.	Scarab Beetle	Coleoptera
22.	Lizard	Lacertilia
23.	Pigeon	Columbidae
24.	Parrots	Indian Rose Ringed Parakeet

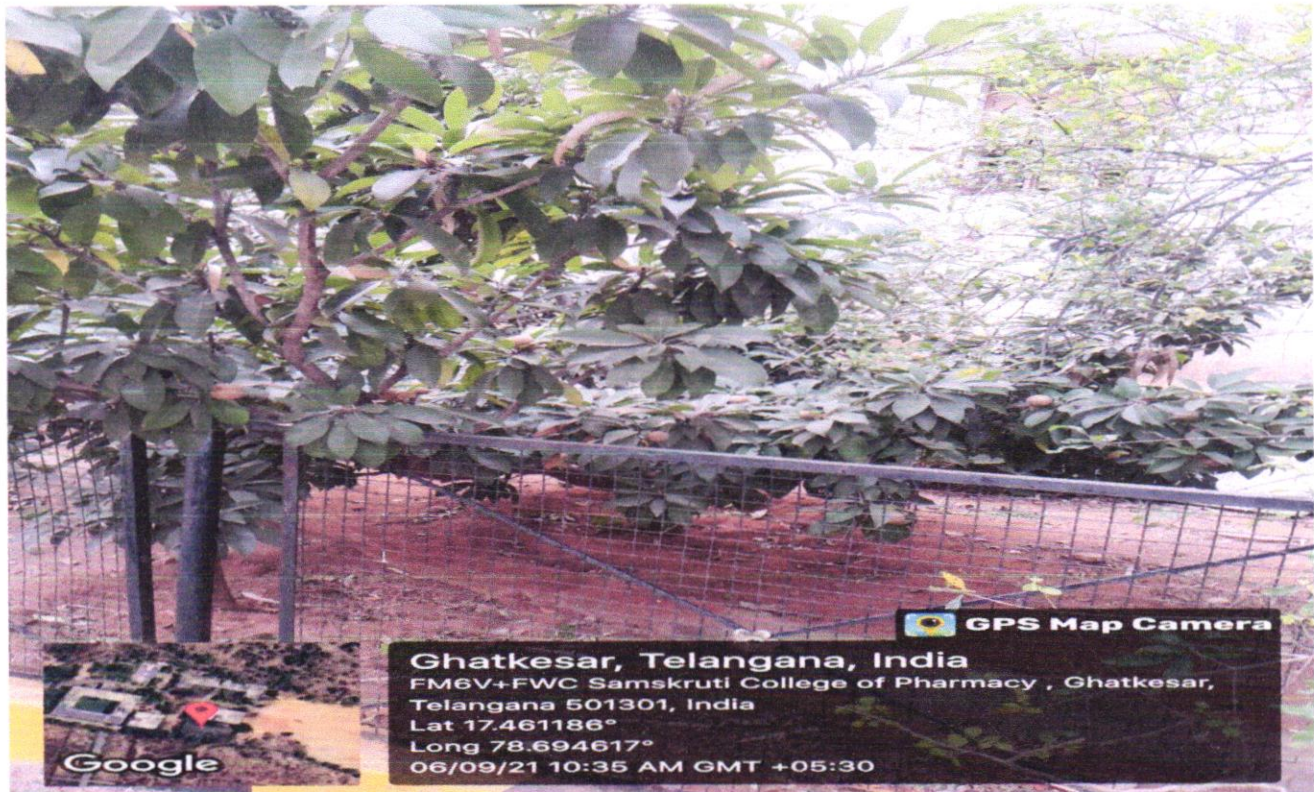
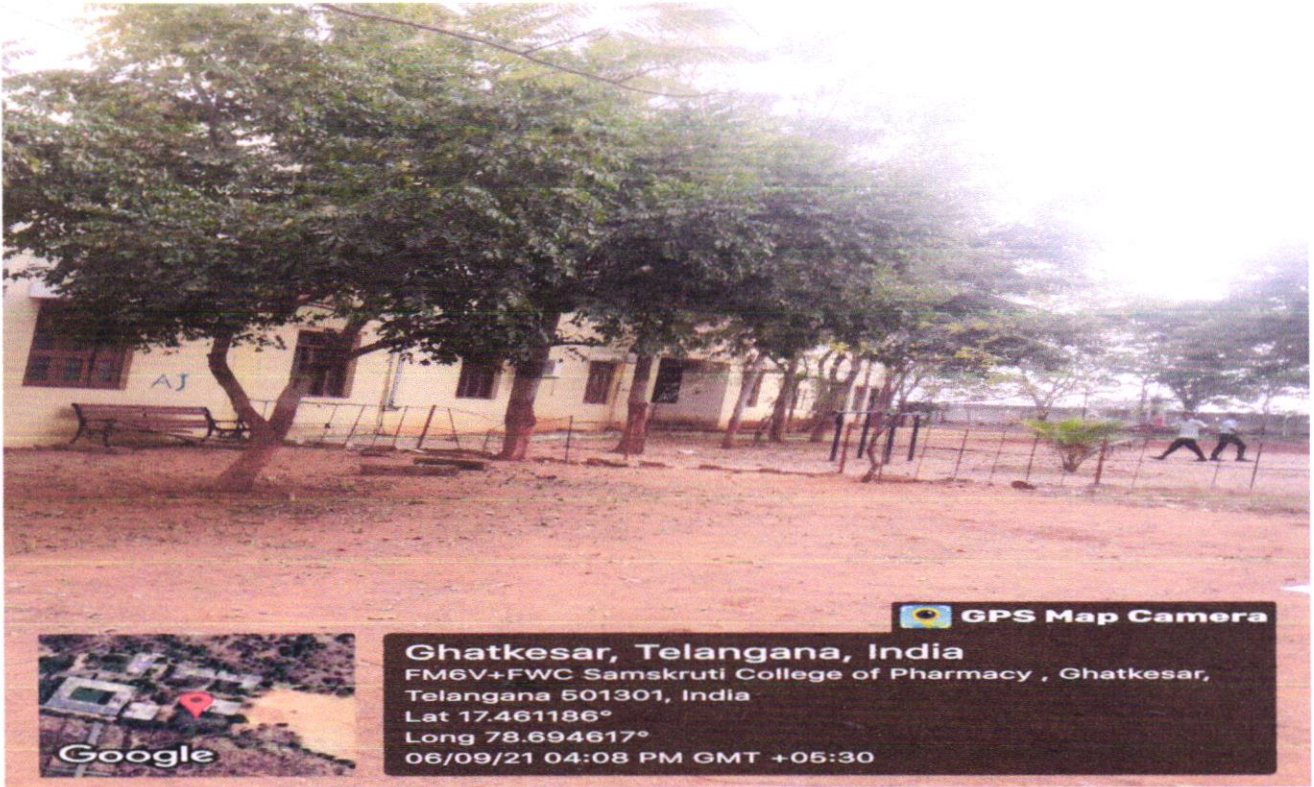
Principal



Aravinda
Principal

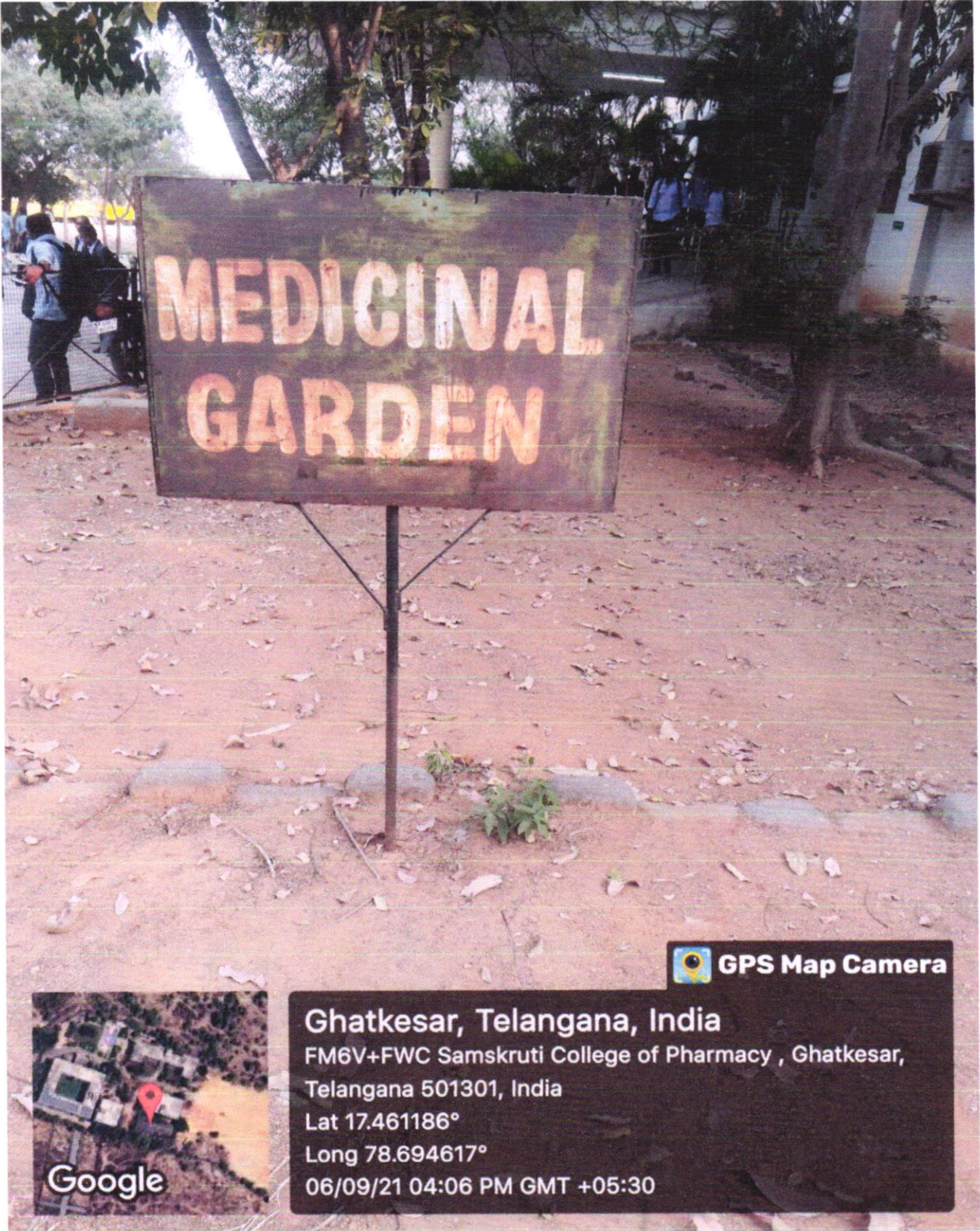
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Green Audit Report, SCOP-2022
Trees and Plants- Samskruti College of Pharmacy



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



 **GPS Map Camera**



Google

Ghatkesar, Telangana, India

FM6V+FWC Samskruti College of Pharmacy , Ghatkesar,
Telangana 501301, India

Lat 17.461186°

Long 78.694617°

06/09/21 04:06 PM GMT +05:30

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

FLORAL DIVERSITY OF SCOP



Principal

Samskruti College of Pharmacy
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FLORAL DIVERSITY IN SCOP



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Principal

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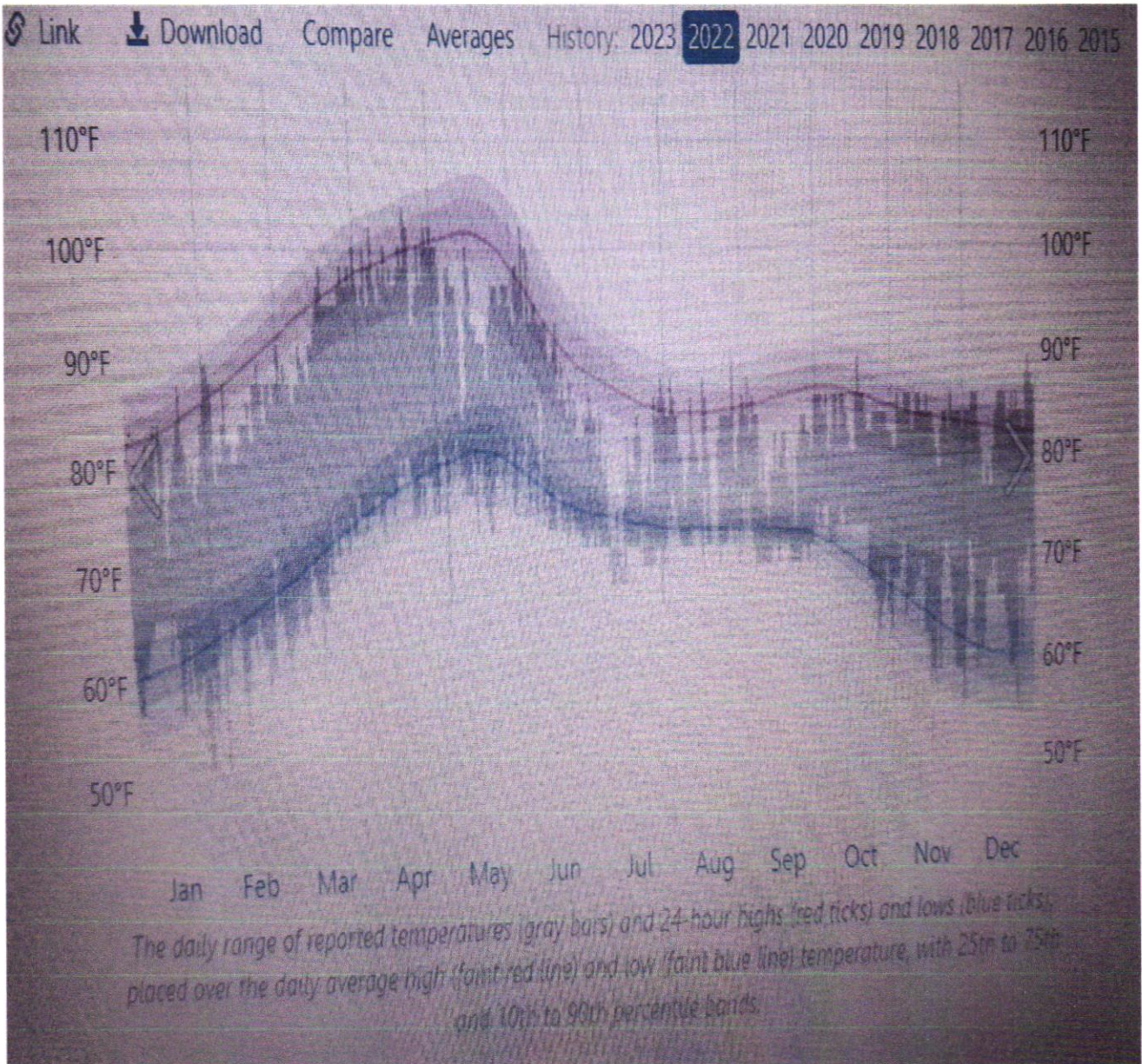
WEATHER DATA OF SCOP



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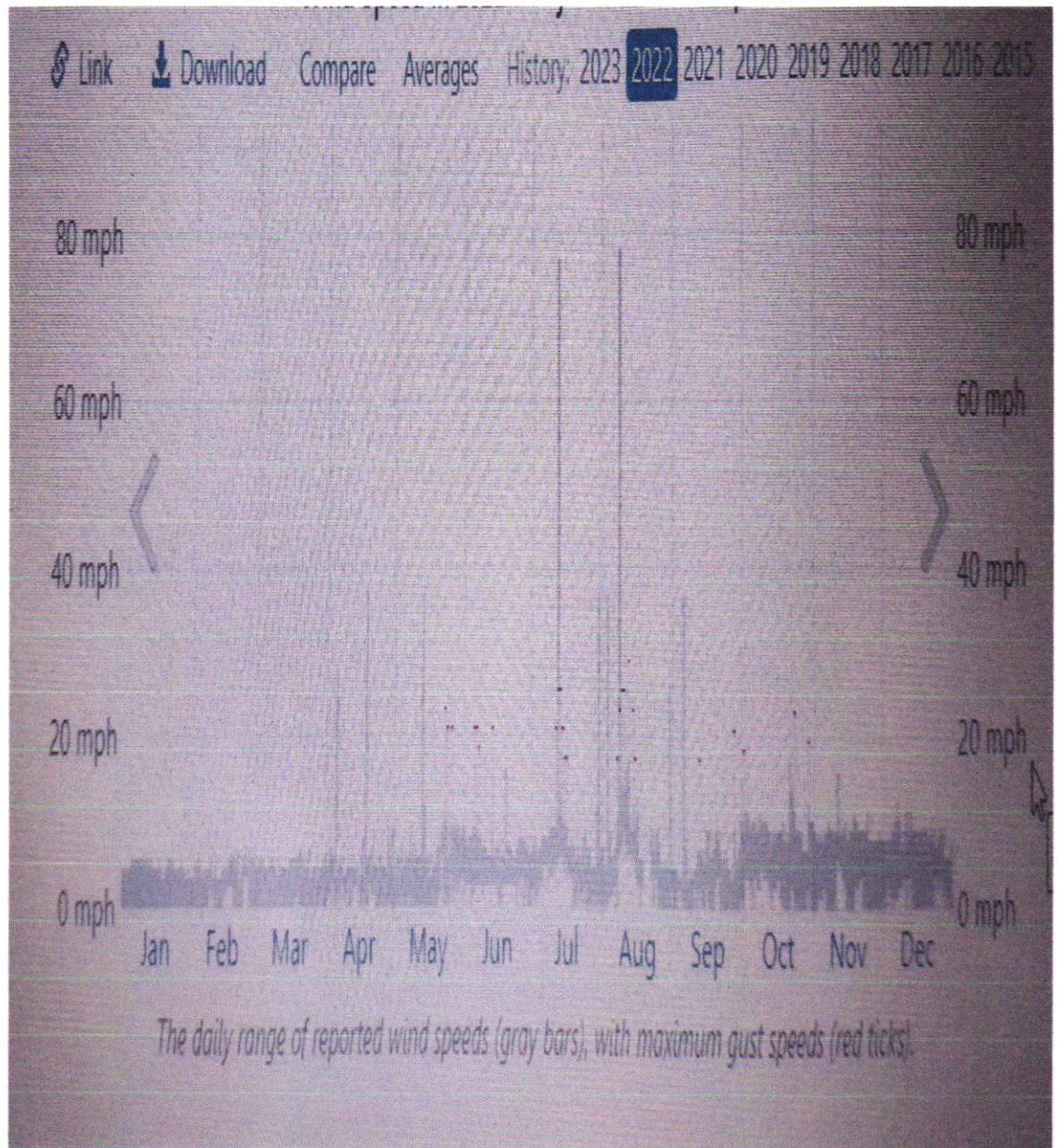
Weather Data – 2022



Temperature at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

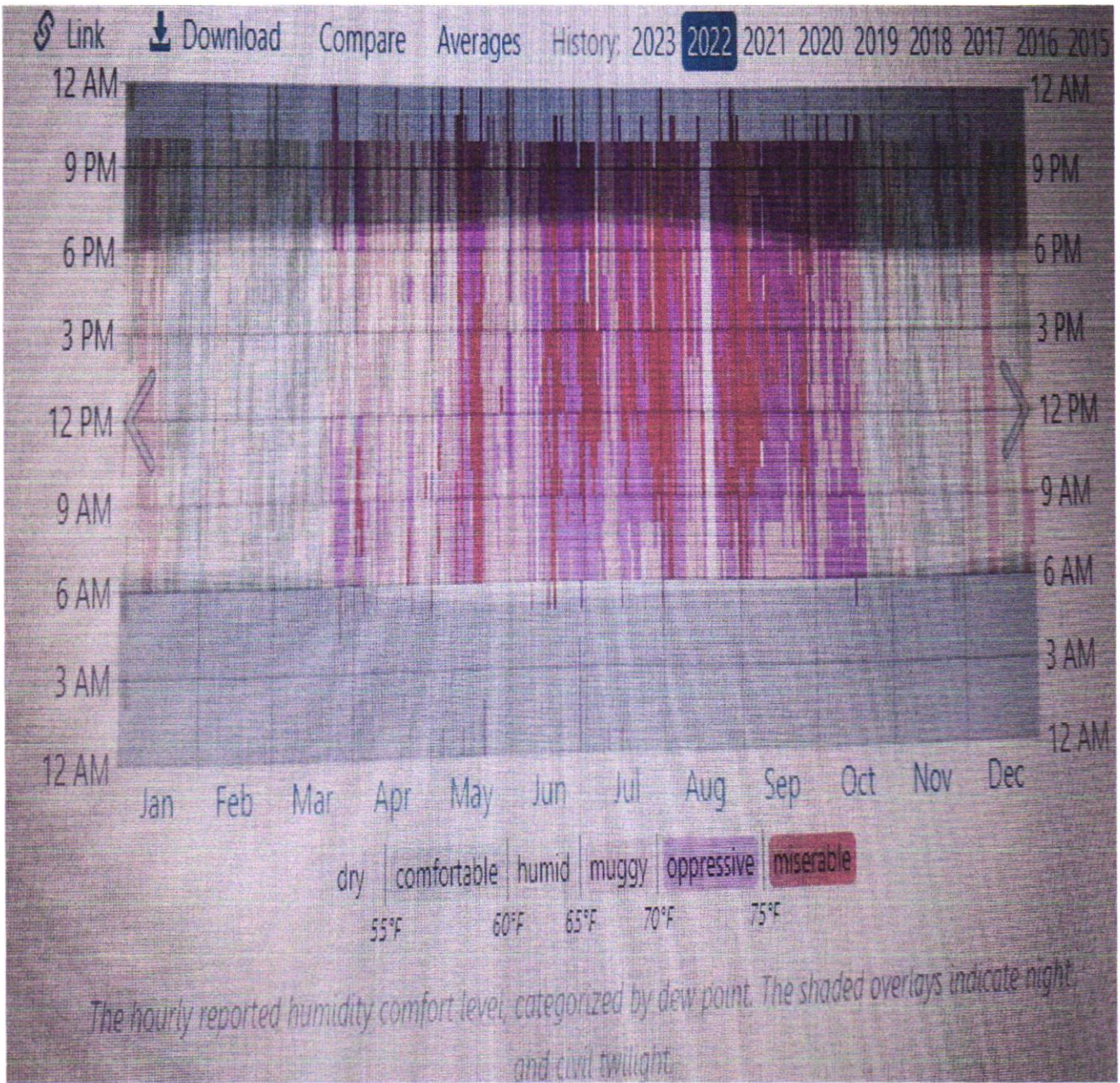
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Medchal Dist. PIN-501301**



Wind Speed at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

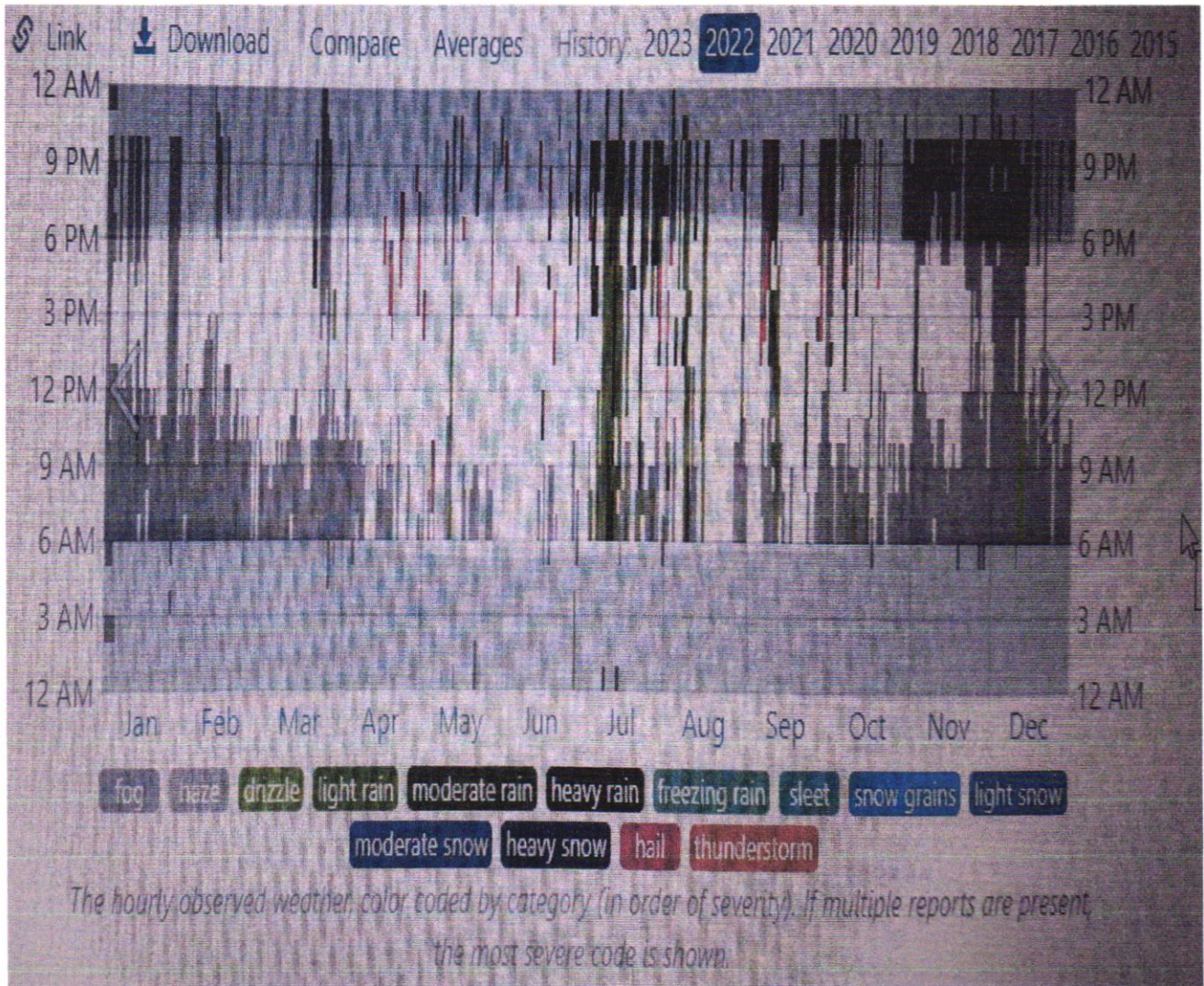
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Humidity at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

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Rainfall at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

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AIR QUALITY OF SCOP



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SANSKRUTI COLLEGE OF PHARMACY KONDAPUR(V), GHATKESAR.
AIR QUALITY ANALYSIS DETAILS AT SCOP CAMPUS

Date of Report	09.24.2022
Sample collected by	B.Pharm Final Year Students
Sample collection Date	09.19.2022
Sample Description/Code	AIR QUALITY ANALYSIS

S.NO	NAME OF THE PARAMETER	TEST RESULTS				NAAQS LIMITS	TEST METHOD
		COLLEGE MAIN ENTRANCE	ADMIN BUILDING	CANTEEN AREA	SPORTS GROUND		
1	Particulate Matter (PM10)	61.7	52.8	52	75	100	IS 5182: Part- 23 (2012)
2	Particulate Matter (PM2.5)	20.4	15.6	15.6	25	60	CPCB Manual (NAAQMS, 36/2012-13) Gravimetric method (Cyclonic Flow technique)
3	Sulphur dioxide as SO ₂ (µg/m ³)	0	0	0	0	80	IS 5182: Part- 2 (2012)
4	Nitrogen dioxide as NO ₂ (µg/m ³)	0	0	0	0	80	IS 5182: Part- 6 (2012)

Checked by
S. Srikrishna
Shiva Srikrishna, Asst. Prof.

Authorized Signatory
Dr. Y. Shirisha, Prof.
Principal

NOISE LEVEL IN THE SURROUNDING OF SCOP



Principal

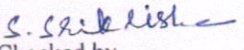
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Green Audit Report, SCOP-2022

SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR (V), GHATKESAR.
NOISE LEVEL MEASUREMENT DETAILS AT SCOP CAMPUS

Date of Report	09.24.2022
Sample collected by	B.Pharm final year students
Sample collected date	09.19.2022
Sample description	Noise level measurements

S.NO	SAMPLING LOCATION	MEASUREMENT (DURATION IN SECS)	MINIMUM (DBA)	MAXIMUM (DBA)	AVERAGE (DBA)
1	College main out gate	60	41.5	73.5	57.5
2	Parking area	60	43	60.3	51.65
3	Administrative block	60	40.3	71.4	55.85
4	Canteen	60	48.7	66.9	56.8
5	Main block	60	48	74	62
6	Ladies hostel	60	46	68	57
7	Sports ground	60	50.5	75.6	63.05
8	College main in gate	60	52	72	62


Checked by
Shiva Srikrishna, Asst. Prof.


Authorized Signatory
Dr. Y. Shirisha, Prof.



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WATER ANALYSIS REPORT OF SCOP



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**Samskruti College of Pharmacy
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Medchal Dist. PIN-501301**

Green Audit Report, SCOP-2022

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.				
Water Consumption Details at SCOP Campus				
Month	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)	Consumption Details for 2020-21 (Liters in Lakhs)	Consumption Details for 2021-22 (Liters in Lakhs)
January	2.0	2.5	2.3	2.0
February	2.3	2.0	2.1	2.3
March	2.0	2.2	2.2	2.0
April	2.5	2.3	2.0	2.5
May	2.2	2.0	2.3	2.2
June	2.1	2.2	2.4	2.1
July	2.5	2.0	2.3	2.5
August	2.3	2.3	2.5	2.3
September	2.2	2.1	2.4	2.2
October	2.1	2.4	2.0	2.1
November	2.0	2.2	2.1	2.0
December	2.0	2.1	2.2	2.0

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.				
Water Collection Details at SCOP Campus				
Month	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)	Collection Details for 2020-21 (Liters in Lakhs)	Collection Details for 2021-22 (Liters in Lakhs)
January	2.7	2.6	2.7	2.7
February	2.5	2.5	2.6	2.5
March	2.6	2.6	2.5	2.6
April	2.7	3	2.8	2.7
May	2.5	2.5	2.7	2.5
June	2.7	2.7	2.8	2.7
July	2.9	2.5	2.9	2.9
August	3	2.7	2.6	3
September	2.8	2.6	2.7	2.8
October	2.9	2.8	2.6	2.9
November	2.6	2.8	2.8	2.6
December	2.7	2.9	2.9	2.7

Directed by
Shiva Srikrishna, Asst. prof.

Principal

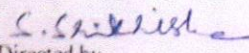
Authorized Signatory
Dr. Y. Shirisha, prof.

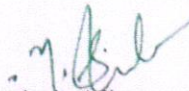
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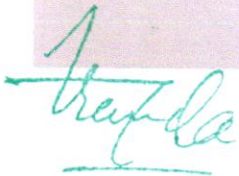
SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR (V), GHATKESAR, BORE WATER DETAILS AT SCOP CAMPUS
--

Date of Report	09.24.2022
Sample collected by	B.Pharm final year students
Sample collection Date	09.19.2022
Sample Description /Code	Bore Water

S.NO	Parameter	Unit	Method	Result	IS 10500 limits	
					Acceptable	Permissible
1	pH		APHA 23 RD EDITION, 4500 H+B	6.72	65.65	No Relaxation
2	Turbidity	NTU	APHA 23 RD EDITION, 2130 B	2	2	2
3	Conductivity	µMho/cm	APHA 23 RD EDITION, 2510 B	3054		
4	Total dissolved Solids	mg/L	APHA 23 RD EDITION, 2540 B	1985	500	2000
5	Colour	CU	APHA 23 RD EDITION, 2120 B	<5	5	15
6	Odor			Agreeable	Agreeable	Agreeable
7	P. Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	<5		
8	Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	450	200	600
9	Total Hardness as CaCO ₃	mg/L	APHA 23 RD EDITION, 2340 B	542	200	600
10	Calcium as Ca	mg/L	APHA 23 RD EDITION, 3500 B	110	75	200
11	Magnesium as Mg	mg/L	APHA 23 RD EDITION, 3500 B	14	55	100
12	Sodium as Na	mg/L	APHA 23 RD EDITION, 3500 B	321		
13	Potassium as K	mg/L	APHA 23 RD EDITION, 3500 B	191		
14	Chloride as Cl	mg/L	APHA 23 RD EDITION, 4500 B	10.2	250	400
15	Sulphates as SO ₄ ²⁻	mg/L	APHA 23 RD EDITION, 4500 B	0.8	200	No Relaxation
16	Nitrate Nitrogen as N	mg/L	APHA 23 RD EDITION, 4500 B	<0.3	45	2.5
17	Fluorides as F	mg/L	APHA 23 RD EDITION, 2500 B	<0.1	1	No Relaxation
18	Iron as Fe	mg/L	APHA 23 RD EDITION, 3500 B	<0.001	0.3	0.3
19	Manganese as Mn	mg/L	APHA 23 RD EDITION, 5530 B	<0.01	0.1	0.002
20	Phenols Compounds	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.001	No Relaxation
21	Chromium as Cr ⁶⁺	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.05	3
22	Residual Chlorine as CL	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.2	No Relaxation
23	Total cyanide	mg/L	APHA 23 RD EDITION, 3111 B	<0.01	0.005	1.5
24	Copper as Cu	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.005	No Relaxation
25	Cadmium as Cd	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.003	1.5
26	Zinc as Zn	mg/L	APHA 23 RD EDITION, 3111B	<0.5	5	No Relaxation
27	Lead as Pb	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.01	400


Directed by
Shiva Srikrishna, Asst. prof


Authorized Signatory
Dr. Y. Shirisha, prof.



Principal

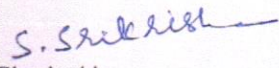
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Kondapur(V), Ghatkesar(M),
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SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR(V), GHATKESAR.
WASTE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.24.2022
Sample collected by	B.Pharm Final Year Students
Sample collected Date	09.19.2022
Sample Description/Code	Waste Water

S.NO	Parameter	Method	Unit	Result
1	Ph	APHA 23 RD Edition 4500 H + B		7.21
2	Total Dissolved Solids	APHA 23 RD Edition 2504 C	mg/l	707
3	Total Suspended solids	APHA 23 RD Edition 2504 D	mg/l	72
4	Chemical Oxygen Demand as COD	APHA 23 RD Edition 5220 B	mg/l	61
5	Biological Oxygen Demand as BOD	IS : 3025(Part-44) : 2009	mg/l	21
6	Oil & Grease	APHA 23 RD Edition 5520 B	mg/l	<7


Checked by
Shiva Sri Krishna, Asst. Prof.


Authorised Signatory
Dr. Y. Shrishya, Prof.



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Common Water tank



Water harvesting Pit



Water Conservation facilities available in the Institution

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**Samskruti College of Pharmacy
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Medchal Dist. PIN-501301**

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR, GHATKESAR.

Water Consumption Details

Month	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)	Consumption Details for 2020-21 (Liters in Lakhs)	Consumption Details for 2021-22 (Liters in Lakhs)
January	2.0	2.5	2.3	2.0
February	2.3	2.0	2.1	2.3
March	2.0	2.2	2.2	2.0
April	2.5	2.3	2.0	2.5
May	2.2	2.0	2.3	2.2
June	2.1	2.2	2.4	2.1
July	2.5	2.0	2.3	2.5
August	2.3	2.3	2.5	2.3
September	2.2	2.1	2.4	2.2
October	2.1	2.4	2.0	2.1
November	2.0	2.2	2.1	2.0
December	2.0	2.1	2.2	2.0



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

**SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR,
GHATKESAR.**

Water Collection Details at SCOP Campus

Month	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)	Collection Details for 2020-21 (Liters in Lakhs)	Collection Details for 2021-22 (Liters in Lakhs)
January	2.7	2.6	2.7	2.7
February	2.5	2.5	2.6	2.5
March	2.6	2.6	2.5	2.6
April	2.7	3	2.8	2.7
May	2.5	2.5	2.7	2.5
June	2.7	2.7	2.8	2.7
July	2.9	2.5	2.9	2.9
August	3	2.7	2.6	3
September	2.8	2.6	2.7	2.8
October	2.9	2.8	2.6	2.9
November	2.6	2.8	2.8	2.6
December	2.7	2.9	2.9	2.7



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WASTE DISPOSAL AT SCOP



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Medchal Dist. PIN-501301

Waste Management

Solid waste management:

Solid waste is collected from class rooms and labs every morning by housekeeping staff in separate containers and assembled at the waste yard marked as compost pit at extreme end of the campus. Here the dry waste including paper/plastics etc. is segregated and sent in vans to recyclable joints and/or Municipal Corporation dump yard. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items. Many of our students are encouraged for making best from waste items by using plastic bottles etc. In our college campus NO PLASTIC sign boards and flexes are available to encourage students and staff not to use plastic item. On behalf of July 3, 2021 an International “NO PLASTIC” day, the students of Samskruti College of Pharmacy performs awareness programs in and outside the campus in nearby village.



The solid waste generated in the campus includes wrappers, glass, metals, paper, plastics, etc. Old newspapers, used papers, workshop scrap etc. are picked up by Ghatkesar municipality and moved to dump yard for recycling or other purpose. Glass, metals, plastic and other non-biodegradable wastes are given to Ghatkesar Municipality Corporation where they are segregated and disposed/ recycled according to the nature of the waste.

College adopts almost paperless concept by digitization of office procedures through electronic means via whatsapp groups, emails etc. thus, reducing paper-based waste and reduce carbon dioxide emissions. Some announcements and programmes are conducted using various apps and by sharing link to the students. Power Point presentations are also shared to student's whatsapp groups by the faculty members to reduce the wastage in paper printing as well as expenses. Use of paper printed on one side is encouraged in print drafts before final document, meeting minutes, memos and notes in office practices as environmentally preferred alternative to waste management. Biodegradable kitchen waste

[Handwritten Signature]
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Samskruti College of Pharmacy
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from mess and cafeteria is collected in separate bins. Horticultural wastes such as dried leaves, twigs, and plant clippings are collected from all around the campus and used for bin composting. Dustbins have been installed throughout campus for waste segregation.

Students are encouraged to use waste paper and newspaper in creative practices during various extracurricular activities.

Reducing Plastic Usage: Now a days the usage of plastic has increased, which is a great problem to the environment as it takes hundreds of years for the waste plastic to decompose. Though govt. has planned to stop the usage of plastic bags the implementation of the same has become a major challenge for the government as there is very little awareness on the problems of plastic usage in general public. So, it is our duty to reduce the usage of plastic by spreading awareness on the problems associated with plastic use. Thus, our students have taken up this as challenge and started an awareness program to reduce the plastic usage. Under this activity we visited some of the streets and made people aware of how we are damaging environment by usage of plastic items.

Liquid Waste Management:

Liquid waste is generated from Science laboratories and canteen. Liquid wastes generated are of two types:

- Sewage Waste
- Laboratory and canteen effluent.

The liquid wastes are mainly drained to improve the ground level of water.

Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Lab In-charge and lab-assistant takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and

safety aspects when they are given instructions before utilizing the chemicals. The chemicals are wisely utilized for the batches of students in morning and afternoon under the guidance

of faculty. Water for washing and rinsing of glassware for cleaning is done with regular water in low amounts. The Chemicals used in the experiments are diluted and after usage the

liquid waste gets mixed with routine wastewater.

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Samskruti College of Pharmacy

Kondapur(V) **Waste Management:**

Medical College, PIN-501001

Electronic goods are put to optimum use; the minor repairs are set right by the laboratory assistants and the major repairs are handled by the support of technical assistants. The equipment which cannot be refurbished for re-use is dismantled and labelled as e-waste.

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Input devices like keyboards which are of no use are utilized by students for their typing practice and teaching in a very basic level. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non-hazardous items are used by students for scrap art in extra-curricular activities.

Any other relevant information:

The institution conducts academic exhibition annually in the event of annual fest where the participants from schools and colleges are invited. As a part of annual fest and some other programmes this, the students of the institution makes exhibits by using solid waste like papers, water bottles, iron pieces, rubbers and other e – waste like tube lights, bulbs, etc.

Also institution held various events like scrap art, face painting etc. on the eve of National Pharmacy week celebrations.



Principal

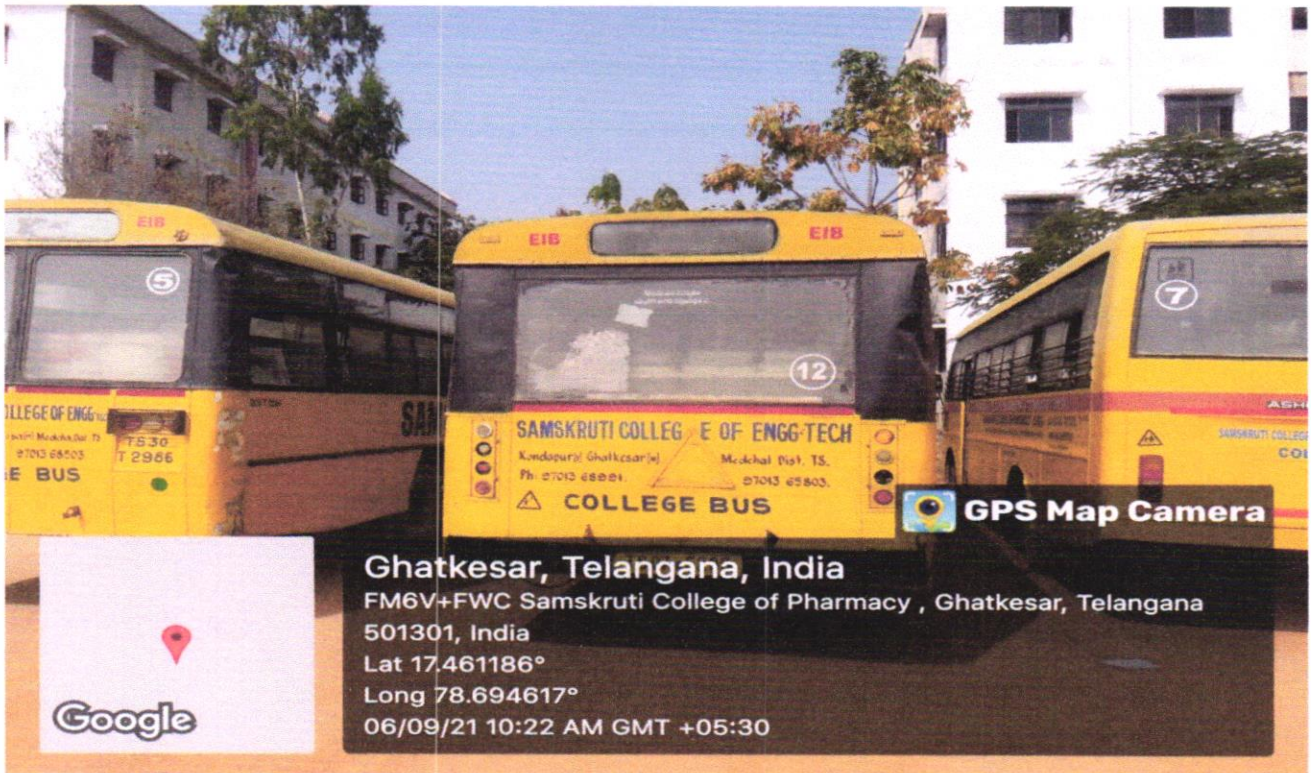
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TRANSPORTATION



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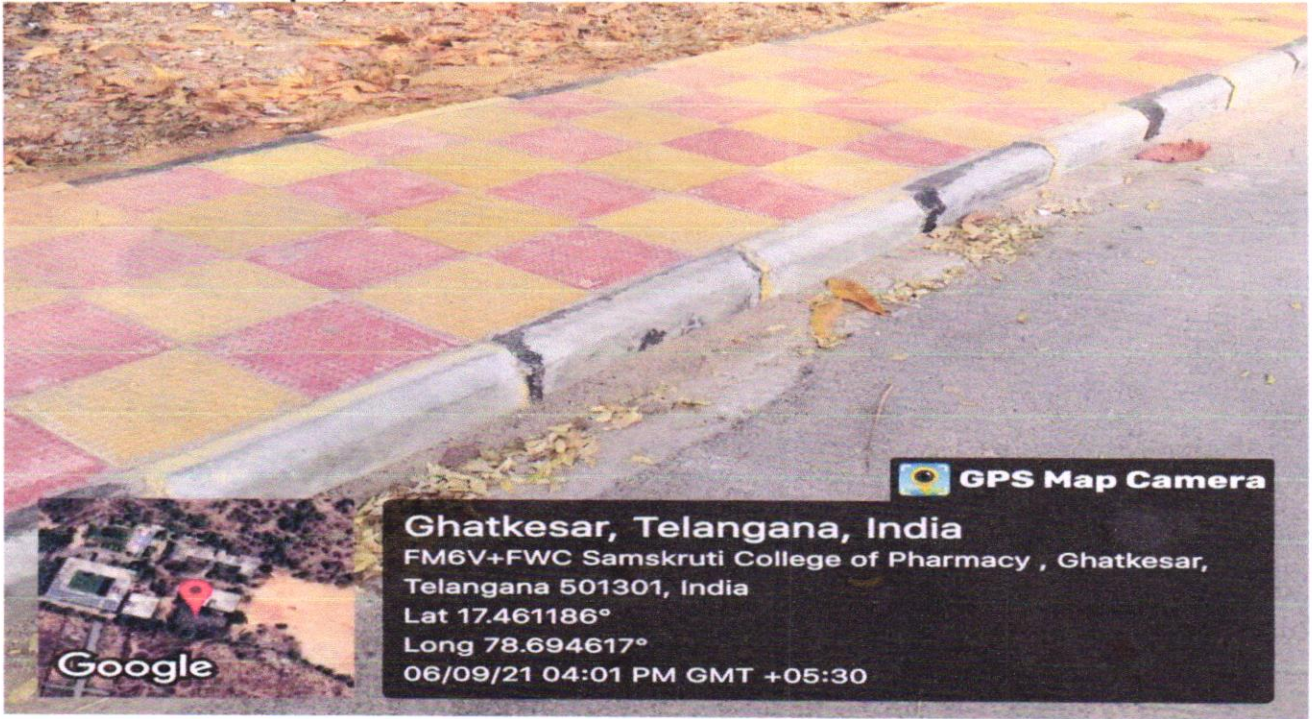
College bus Parking Place at SCOP



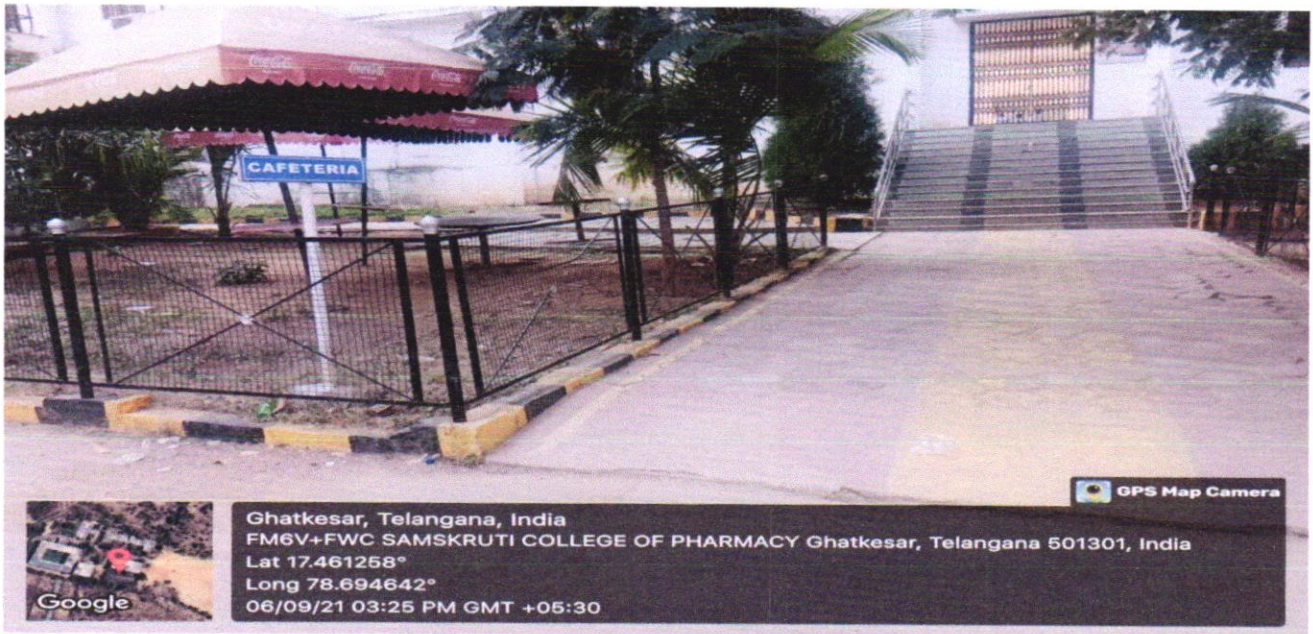
First Aid Box in the College Bus

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Pedestrian friendly pathways at SCOP



Pedestrian friendly pathways at SCOP

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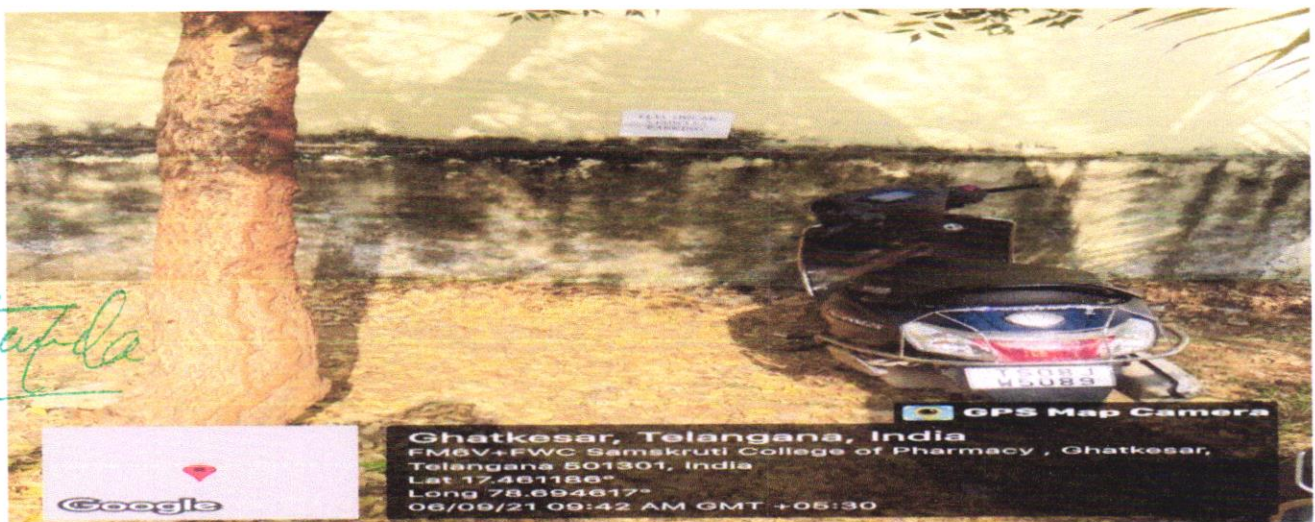
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Car Parking Place at SCOP



Bicycle Parking at SCOP



Electrical Vehicle Parking at SCOP

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ELECTRICAL ENERGY CONSUMPTION AT SCOP



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Green Audit Report, SCOP - 2022

ELECTRICAL CONSUMPTION OF SCOP (2017-2022)							
S.NO	Month	2017	2018	2019	2020	2021	2022
1	January	8,440	5,809	8,406	9,499	3,866	7,063
2	February	9,680	14,677	10,863	11,551	6,806	5,815
3	March	12,280	12,819	13,122	12,960	9,040	9,779
4	April	14,140	11,478	16,546	7,917	5,004	17,117
5	May	10,850	11,699	15,897	5,812	7,425	17,573
6	June	9,150	14,263	11,850	5,648	5,826	13,158
7	July	6,201	12,879	16,366	7,108	5,141	16,843
8	August	10,468	15,899	15,805	7,062	9,975	15,080
9	September	9,214	18,005	16,368	6,054	9,984	14,529
10	October	9,160	12,253	11,170	7,651	12,531	9,826
11	November	8,797	13,306	12,395	9,277	10,342	11,569
12	December	9,285	11,950	12,326	8,398	10,317	11,879
Total (Kwh)		117,665	155,037	161,114	98,937	96,257	150,231



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Replacement of Tube lights with LED's

S. No	Tube Lights			LEDs Replaced		
	Power Rating	Qty	Total Power	Philips Make		
				Power Rating	Qty	Total Power
1	40 W	123 No	4.92 KW	20 W	104 No	2.08 KW

Total 9.08 KW of power consumption is reduced to 7.0 KW with the replacement of Non-LED Lamps and Tube Lights with LEDs.



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SOLAR ENERGY GENERATION IN SCOP

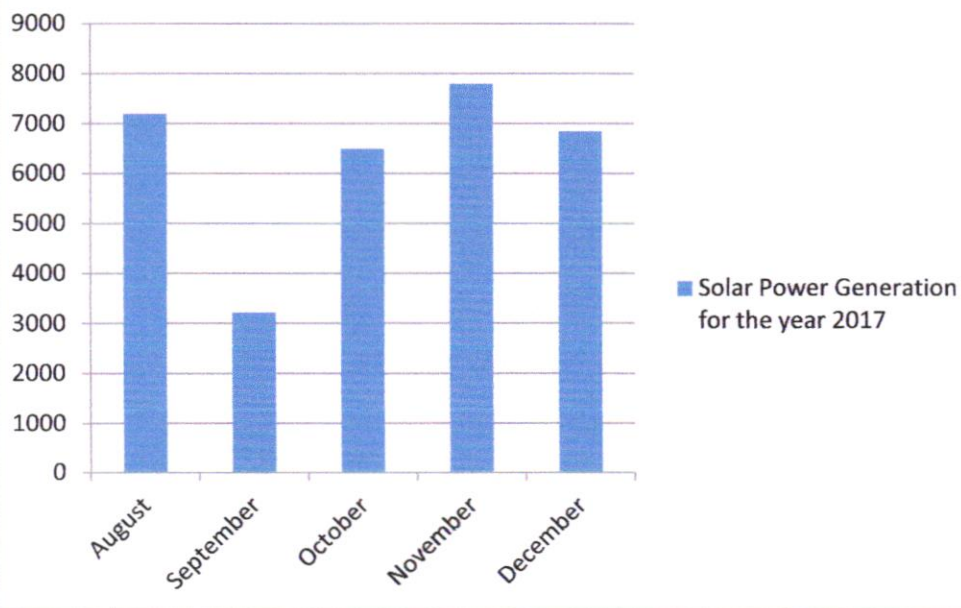


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Medchal Dist. PIN-501301**

Solar Generation in units (KWh)							
S.NO	Month	2017	2018	2019	2020	2021	2022
1	January	Nil	6128	4248	4504	4207	3743
2	February	Nil	6472	5512	5768	5471	5007
3	March	Nil	6562	6636	6892	6599	6135
4	April	Nil	7035	8348	8006	7256	6525
5	May	Nil	7671	8018	8270	7425	6241
6	June	Nil	7837	6007	6259	5966	5024
7	July	Nil	6245	8004	7425	8035	6210
8	August	7200	8154	7118	7342	7121	5241
9	September	3220	7543	6352	6576	6355	5121
10	October	6500	6196	7255	7479	7262	5524
11	November	7800	6726	5214	5438	5221	4749
12	December	6843	6036	5573	5797	5580	4321
Total (Kwh)		31,563	82,605	78,285	79,756	76,498	63,841

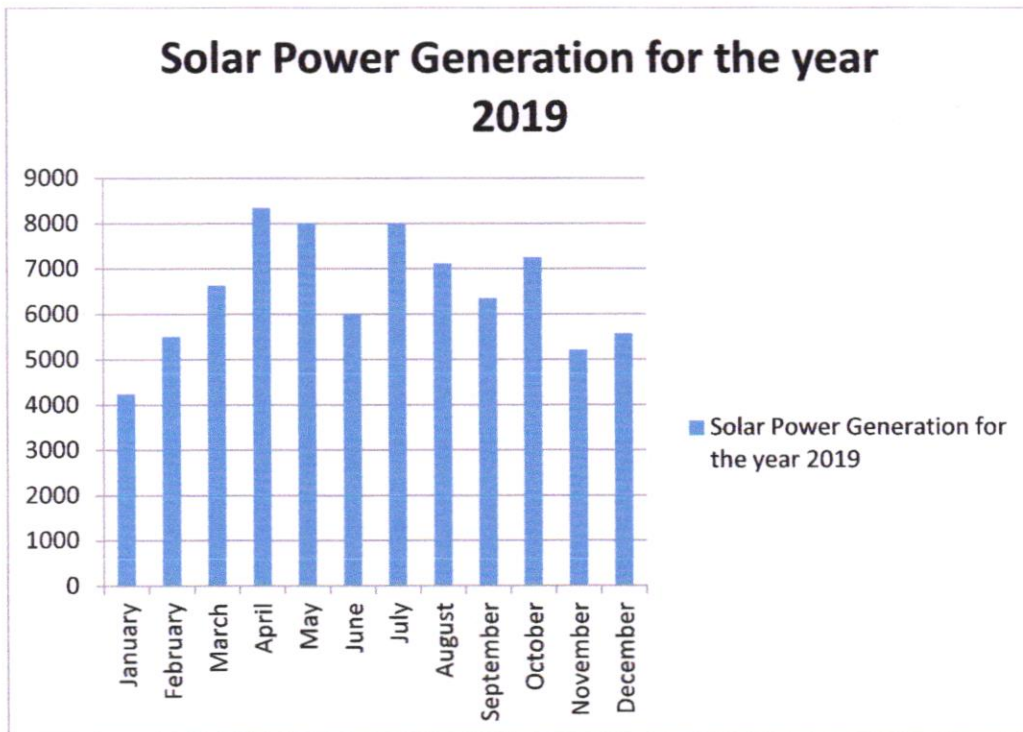
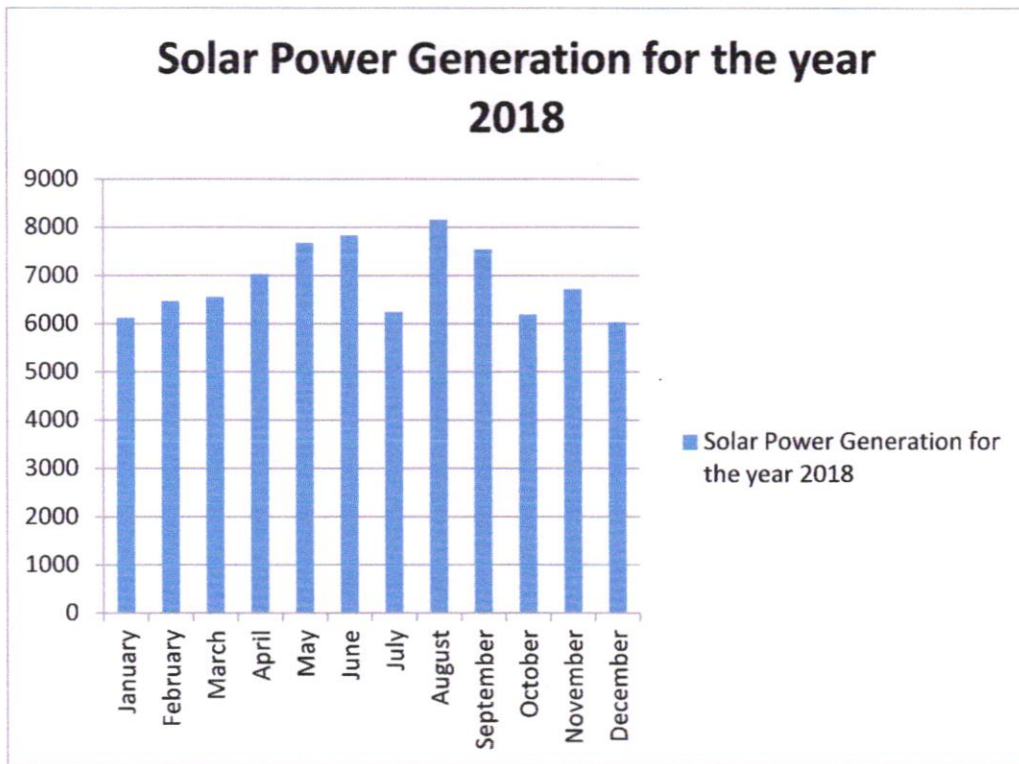
Solar Power Generation for the year 2017



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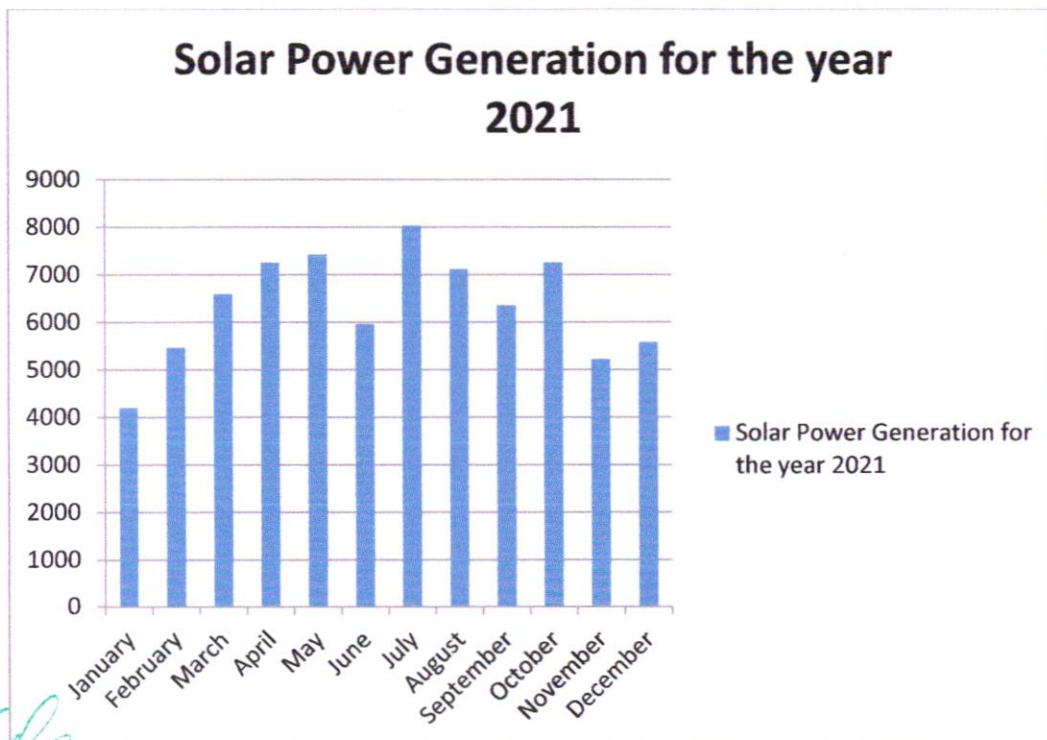
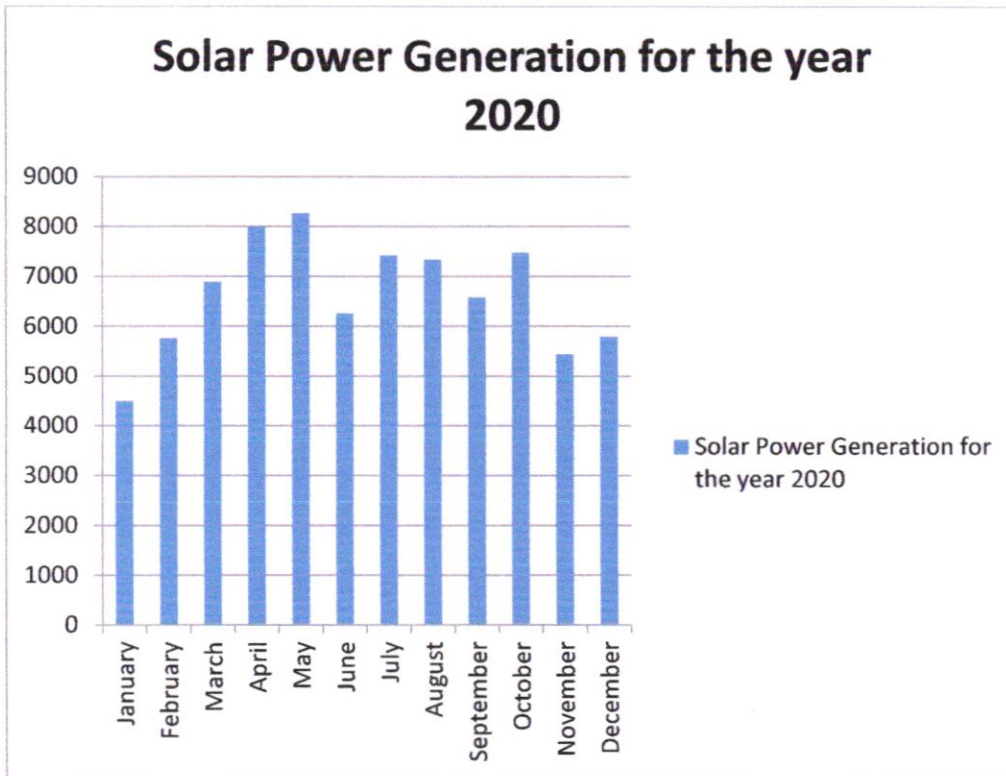
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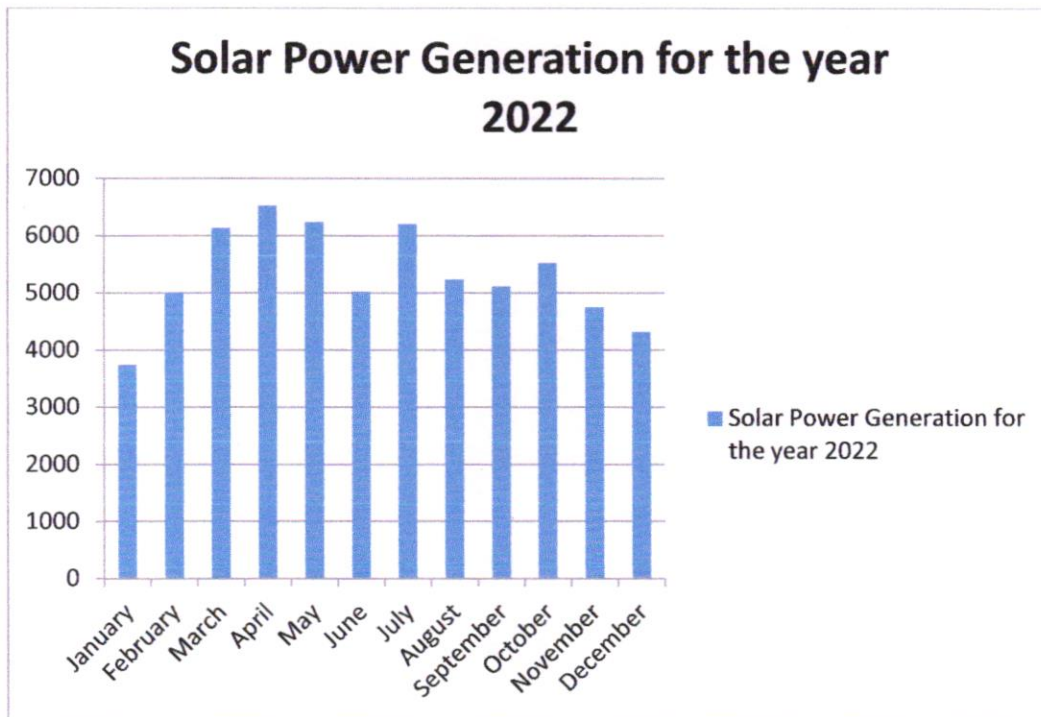
Principal

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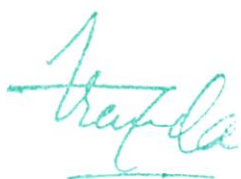
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ENERGY CONSUMPTION AND EXPORT



Principal

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Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2017

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	NIL	NIL	NIL	8440	8440
2	February	NIL	NIL	NIL	9680	9680
3	March	NIL	NIL	NIL	12280	12280
4	April	NIL	NIL	NIL	14140	14140
5	May	NIL	NIL	NIL	10850	10850
6	June	NIL	NIL	NIL	9150	9150
1	July	NIL	NIL	NIL	6201	6201
2	August	7200	2156	5044	5424	10468
3	September	3220	1527	1693	7521	9214
4	October	6500	2355	4145	5015	9160
5	November	7800	2636	5164	3633	8797
6	December	6843	1865	4978	4307	9285
Total (KWh)		31563	10539	21024	96641	117665

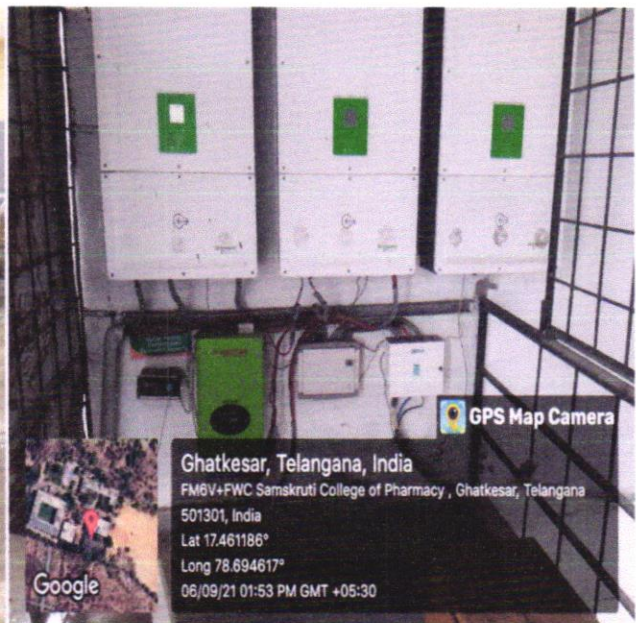
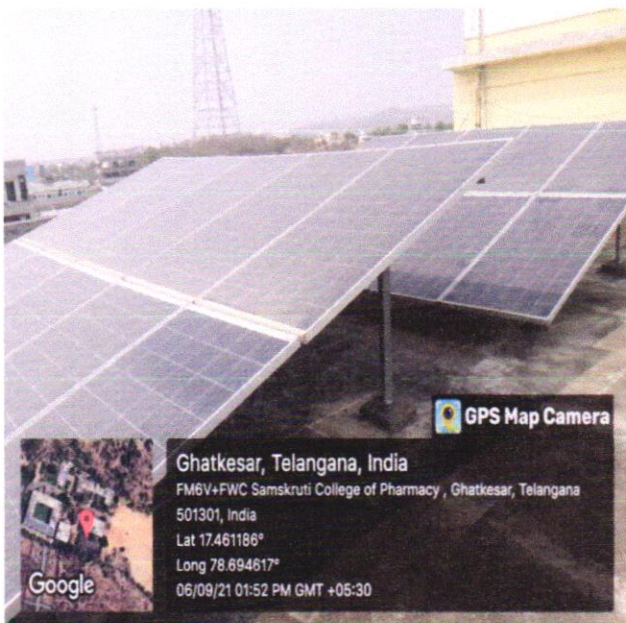


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Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2018

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	6128	2992	3136	2673	5809
2	February	6472	1171	5301	9376	14677
3	March	6562	1132	5430	7389	12819
4	April	7035	1516	5519	5959	11478
5	May	7671	1462	6209	5490	11699
6	June	7837	1162	6675	7588	14263
7	July	6245	695	5550	7329	12879
8	August	8154	851	7303	8596	15899
9	September	7543	781	6762	11243	18005
10	October	6196	2084	4112	8141	12253
11	November	6726	1272	5454	7852	13306
12	December	6036	1054	4982	6968	11950
Total (KWh)		82605	16172	66433	88604	155037



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Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2019

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4248	2151	2097	6309	8406
2	February	5512	1305	4207	6656	10863
3	March	6636	923	5713	7409	13122
4	April	8348	1401	6947	9599	16546
5	May	8018	1002	7016	8881	15897
6	June	6007	1199	4808	7042	11850
7	July	8004	321	7683	8683	16366
8	August	7118	738	6380	9425	15805
9	September	6352	701	5651	10717	16368
10	October	7255	1713	5542	5628	11170
11	November	5214	621	4593	7802	12395
12	December	5573	720	4853	7473	12326
Total (KWh)		78285	12795	65490	95624	161114

In addition to making Environmental Studies a very vital subject in our syllabus, SCOP has gone a step further by putting that theory into practice. The energy from this solar installation is helping offset the institute's daytime peak electricity demand from the grid. SCOP with the installation of 64KWp solar rooftop plant and was able to offset 50% of its energy usage from the state grid thus moving towards a more reliable and greener option and reducing its carbon footprint.

The rise in global temperatures year after year poses an existential threat to the planet. The global leaders and the United Nations (UN) have been showing great concerns in various summits and conferences about measures, international laws and agreements to sustainable development and environmental conservation. No wonder, ignorance of this may result in fatal natural disasters, economic bottlenecks resulting in endangered inhabitation. The management and the administration of Samskruti College of Pharmacy in pursuance of "Going towards green" has established a Grid tied solar project to meet the electrical power requirement needs of the college and to preserve natural resources for current and future generations.

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Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2020

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4504	720	3784	5715	9499
2	February	5768	1521	4247	7304	11551
3	March	6892	1293	5599	7361	12960
4	April	8006	2014	5992	1925	7917
5	May	8270	3954	4316	1496	5812
6	June	6259	2658	3601	2047	5648
7	July	7425	1926	5499	1609	7108
8	August	7342	1853	5489	1573	7062
9	September	6576	2438	4138	1916	6054
10	October	7479	3881	3598	4053	7651
11	November	5438	1730	3708	5569	9277
12	December	5797	1959	3838	4560	8398
Total (KWh)		79756	25947	53809	45128	98937

The total capacity of the installation is 64 KWp (kilowatt 'peak' power output) which was established with an initial cost of 41.6lakhs. A total of 204 multi crystalline panels each with 315Wp were installed on rooftops of Engineering college building. The inverter network comprises of 3 units with 25 KVA capacity. The following show typical panel installation.

Even for power failures, solar plant is generating the power with the help of PV_DG Controller. It controls the solar power generation from 1% to 100% as per the load requirement by maintaining spinning reserve of DG at about 25-30%. Apart from this, a 20KVAR APFC panel has installed at incoming main busbar to maintain Unity Power Factor throughout a day.

In future, the college is planning to be self-sufficient for its electrical power requirements by introducing energy efficient lamps, fans and solar streetlights for contributing to the sustainable development and environmental conservation.


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Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2021

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4207	2236	1971	1895	3866
2	February	5471	3423	2048	4758	6806
3	March	6599	3040	3559	5481	9040
4	April	7256	3852	3404	1600	5004
5	May	7425	1601	5824	1601	7425
6	June	5966	1300	4666	1160	5826
7	July	8035	5107	2928	2213	5141
8	August	7121	2854	4267	5708	9975
9	September	6355	812	5543	4441	9984
10	October	7262	1299	5963	6568	12531
11	November	5221	1893	3328	7014	10342
12	December	5580	605	4975	5342	10317
Total (KWh)		76498	28022	48476	47781	96257

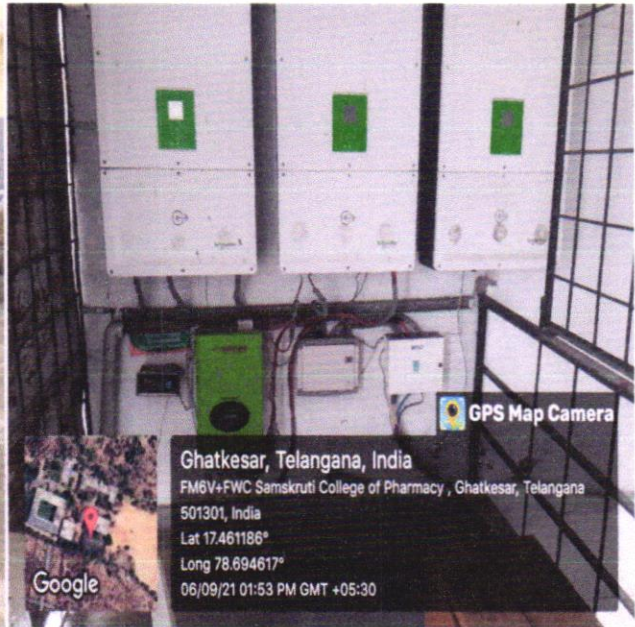
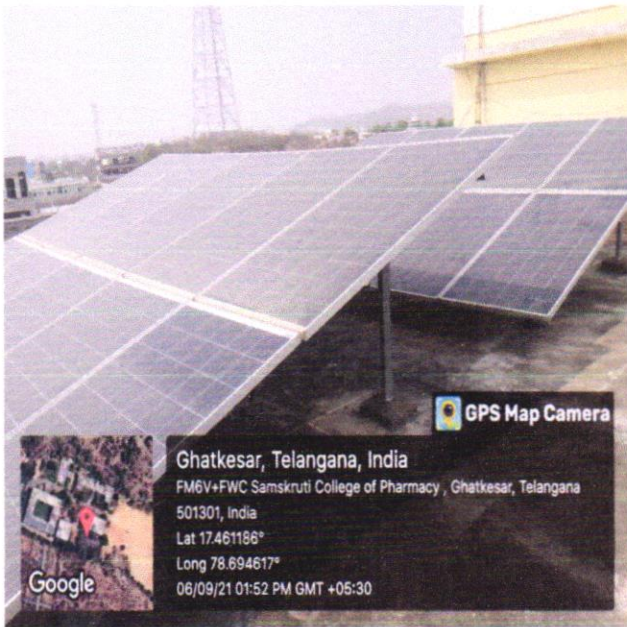
Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2022

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	3743	1227	2516	4547	7063
2	February	5007	3239	1768	4047	5815
3	March	6135	584	5551	4228	9779
4	April	6525	860	5665	11452	17117
5	May	6241	748	5493	12080	17573
6	June	5024	556	4468	8690	13158
7	July	6210	163	6047	10796	16843
8	August	5241	305	4936	10144	15080
9	September	5121	734	4387	10142	14529
10	October	5524	1360	4164	5662	9826
11	November	4749	1356	3393	8176	11569
12	December	4321	428	3893	7986	11879
Total (KWh)		63841	11560	52281	97950	150231

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Green Audit Report, SCOP - 2022



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

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EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS



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EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS

Financial Year	Garden Maintenance (Rs)	Purchase of LED's (Rs)	Renewable sources (Solar lamps) (Rs)	Total (Rs.)
2017 - 2018	1,40,400/-			1,40,400/-
2018 - 2019	1,44,200/-			1,44,200/-
2019 - 2020	1,50,000/-			1,50,000/-
2020 - 2021	2,08,100/-	1300/-		2,09,400/-
2021 - 2022	2,46,835/-			2,46,835/-

-----THE END-----



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Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Energy Management System in accordance with

ISO 50001:2018

For the scope of activities :

Provision of quality pharmacy education focussing on community and patient health care and indulging in research and development for future growth of pharmacy profession.

181201R-EM

Certificate Number

31 December 2021

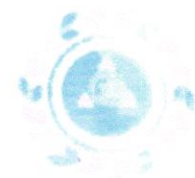
Date of Last Issue

31 December 2018


Date of Initial Registration

30 December 2022

Date of Expiry



Certificate is Valid for 3 Years (31.12.2021 to 30.12.2024) From the Date of Last Issue. Upon Successful Completion of Surveillance Audit New Certificate With an Extended Validity will be issued.



Signed on behalf of GMCSPL

Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matruri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India
www.mcsglobal.in, E mail info@mcsglobal.in

Accredited by: Quality Accreditation Council, Accreditation No.16102, www.qac.in.org
This certificate is the property of GMCSPL, and shall be returned upon request by GMCSPL.
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F 50 | Version 4.00, 28.08.2017


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Has established and applies an Environmental Management System in accordance with

ISO 14001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181202R-E

Certificate Number

31 December 2021

Date of Last Issue

31 December 2018

Date of Initial Registration

30 December 2022

Date of Expiry



Certificate is Valid for 3 Years (31.12.2021 to 30.12.2024) From the
Date of Last Issue. Upon Successful Completion of Surveillance
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ISO 9001:2015

For the scope of activities :

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and patient health care and indulging in research and development
for future growth of pharmacy profession.

Q-211211

Certificate Number

31 December 2021

Date of Last Issue

31 December 2018


Date of Initial Registration

30 December 2022

Date of Expiry



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GREEN AUDIT REPORT

2020-2021



**Samskruti college of pharmacy:: Ghatkesar
Kondapur, Ghatkesar, Telangana**

Accredited by NAAC

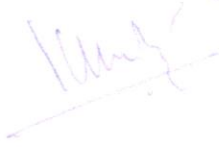
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Green Audit Assessment Team



**K.Siva Naga Prasad, Lead Auditor
EMS/EnMS**



K.V.Murthy, Lead Auditor EMS/EnMS



Ch.RamaRao, Lead Auditor EMS/EnMS



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**Samskruti College of Pharmacy
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8	GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE
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15	WATER ANALYSIS REPORT OF SCOP
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INTRODUCTION



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INTRODUCTION

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is an important process for any college or institution to determine how and where they are using the most energy or water or other resources; based on which the college can then consider how to implement changes and make savings. It can create health consciousness and promote environmental awareness, values and ethics. It provides the staff and students a better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it can also be stated that institutional self-enquiry is a natural and necessary outgrowth of any quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is becoming more prevalent.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric CO₂ from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through carbon footprint reduction measures.



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OBJECTIVES



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OBJECTIVES

In recent time, the Green Audit of an institution has been becoming a paramount importance for self- assessment of the institution which reflects the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep our environment clean since its inception. Therefore, the purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green audit are:

- To map the geographical location of the institution.
- To document the floral and faunal diversity of the college.
- To record the meteorological parameter of SCOP where the college is situated.
- To document the ambient environmental condition of weather, air, water and noise of the college.
- To document the waste disposal system.
- To estimate the Energy requirements of the college.
- To report the expenditure on green initiatives during the last five years.



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METHODOLOGY



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METHODOLOGY

The purpose of the green audit of SCOP is to ensure that the practices followed in the campus are in accordance with the Green Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.



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ABOUT THE COLLEGE



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ABOUT THE COLLEGE

The Samskruti College of Pharmacy, one of the four educational institutions sponsored by the Vincent Education Society, was established in 2006 with a vision to impart quality technical education and is affiliated to Jawaharlal Nehru Technological University Hyderabad. The College is a little away from the din and bustle of Ghatkesar, a town with a historic and hoary past, about 15 Km. south of Hyderabad on Hyderabad-Warangal highway and rail route. The college offers B.Pharmacy, Pharm.D, Pharm.D(PB) and M.Pharmacy in six specializations of Pharmacy- Pharmaceutics, Pharmaceutical Analysis, Pharmacology, Pharmaceutical Chemistry, Pharmacy Practice and Regulatory Affairs.

Programmes offered by the institution

S.NO	Programme Code	Programme Name
01	1R	B.Pharmacy
02	1T	Pharm.D
03	5T	Pharm.D (PB)
04	S03	M. Pharmacy-Pharmaceutics
05	S12	M.Pharmacy-Pharmaceutical Analysis
06	S13	M.Pharmacy-Regulator Affairs
07	S15	M.Pharmacy-Pharmacy Practice
08	S02	M.Pharmacy-Pharmaceutical Chemistry
09	S01	M.Pharmacy-Pharmacology



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VISION AND MISSION STATEMENTS



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Vision

- To be center of excellence by redefining pharmacy education and nurture globally competent professional pharmacists.
- To empower the faculty and students with knowledge, skills and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of Pharmacy, clinical research and interdisciplinary endeavors.

Mission

- To train and develop students into professional pharmacists so as to fulfill the industrial and community needs. To shoulder the responsibility of reducing the suffering mankind by providing pharmaceutical care.
- To maintain high values and standards so as to make students technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.



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GREEN AUDITING



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GREEN AUDITING

Samskruti College of Pharmacy has been taken several initiatives to transform the college as “Green Campus” and adopted the ‘Green Campus’ system for environmental conservation in order to achieve environmental sustainability. The institute has initiated and planted variety of plant species to encourage and enhance the Biodiversity aspect of the campus. Due the Green initiative adopted by the institute, the campus temperatures were reduced and contributes on the adverse impacts of Global warming. The Students are enabled to pursue their pharmacy higher education comfortably at Green Campus and eco-friendly study environment. Rainwater harvesting system was implemented to meet the needs for plantation.



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The solid waste will be collected from all the sources such as from Kitchen, bathrooms inside the canteen which includes papers, plastics, foods, metals, glass etc. and it will be segregated from source of generation. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block workers in each floor collect, clean, segregate and compile the waste in the dustbins provided at each floor. The floor dustbins are emptied in movable containers provided for each block and is taken to the dumping yard provided by the college. The college has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them at the landfills authorized by the government. For drinking, mineral water facility is arranged in every building of the campus. Wastage of drinking water is restricted through proper monitoring. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings of the campus. Awareness towards minimizing the wastage of water is spread at regular intervals among the students.

The college was located in 5.2 acres of land area. The three major pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO₂emission, energy and water use, while creating atmosphere where students can learn and be healthy.

A handwritten signature in blue ink, appearing to be the name of the Principal.

Principal

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LAND USE ANALYSIS OF SCOP



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LAND USE ANALYSIS, SCOP

GENERAL OVERVIEW OF THE CONCEPT OF LAND USE

Land use refers to man's activities and the various uses which are carried on and derived from land. Viewing the earth from space, it is now very crucial in man's activities on natural resource. In situations of rapid changes in land use, observations of the Earth from space give the information of human activities and utilization of the landscape.

Remote sensing GIS techniques are now providing new tools for advanced land use mapping and planning. The collection of remotely sensed data facilitates the synoptic analyses of earth system, functions, patterning and change in the local, regional as well as at global scales over time. Satellite imagery particularly is a valuable tool for generating land use map.

METHODOLOGY ADOPTED FOR LAND USE MAPPING

Three types of data that are GPS points, field survey data and Google earth data for geo referencing have been used in this study.

DATA PROCESSING AND ANALYSIS

Land use map preparation is executed through the following steps:

Acquisition of data (latitude and longitudinal data) Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land usage have also been prepared.

Therefore, attempt has been made in this study to map land use for SCOP with a view to detect the land consumption in the built-up land area using both remote sensing and GIS techniques.



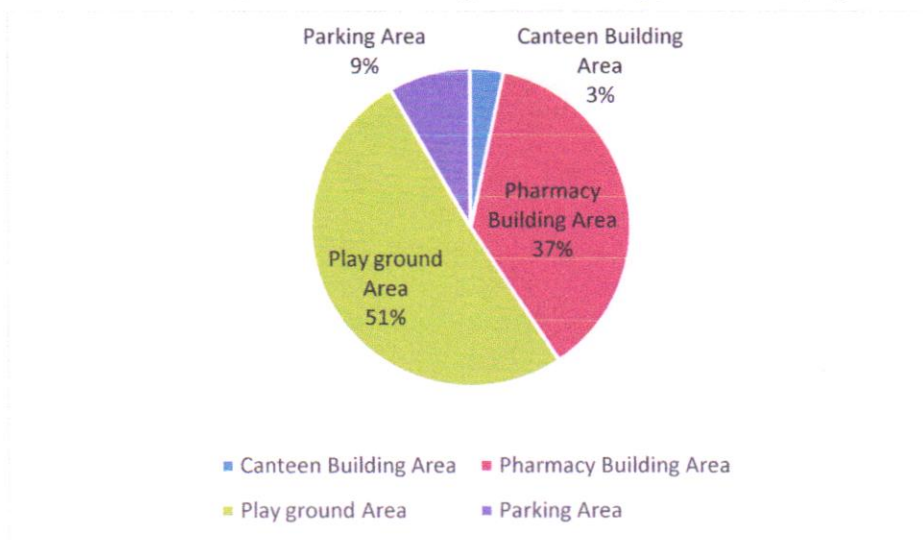
Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

LAND USE DATA OF SCOP, Ghatkesar

Canteen Building Area	AREA (sq.meter)
Administrative Area (Inside the Pharmacy Building)	500
Canteen Building Area	400
Pharmacy Building Area	4456
Play ground Area	6070.28
Parking Area	1000
Total Area	11,926.28

LAND USE ANALYSIS, Samskruti College of Pharmacy, Ghatkesar, Hyderabad



LAND USE (BUILT UP AREA) ANALYSIS

The built up area of 40 % (4865.0 m25%) consists of the following regions as stated below for land consumption in built-up area for Samskruti College of Pharmacy.

FINDINGS

SCOP, which was established in the year 2006, has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance. Its land use is such that about 60% of the total area is occupied by open land and plantation that generates a better and sustainable campus environment.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Area occupied by various buildings of SCOP

Instructional Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Measurements of room (in Sq.mts.)			
			Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	1	205	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	206	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	208	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	306	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	307	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	308	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	309	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	410	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	403	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	411	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	404	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	407	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	101	3.58	9.15	3.66	32.575
CANTEEN BUILDING	1	102	7.5	9.15	3.66	68.625
CANTEEN BUILDING	1	104	15.0	9.15	3.66	137.25
CANTEEN BUILDING	1	106	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	107	7.5	9.15	3.66	68.625



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Samskruti College of Pharmacy
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Lab Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	0	102	7.21	9.15	3.66	66.02
SAMSKRUTI COLLEGE OF PHARMACY	0	106	7.39	9.15	3.66	67.795
SAMSKRUTI COLLEGE OF PHARMACY	0	107	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	0	108	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	0	109	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	1	201	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	202	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	203	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	204	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	210	1.79	9.15	3.66	16.37
SAMSKRUTI COLLEGE OF PHARMACY	2	301	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	2	305	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	2	310	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	401	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	402	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	406	18.83	9.15	3.66	172.32
SAMSKRUTI COLLEGE OF PHARMACY	3	408	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	409	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	412	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	413	7.5	9.15	3.66	68.5
CANTEEN BUILDING	1	105	7.5	9.15	3.66	68.5

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

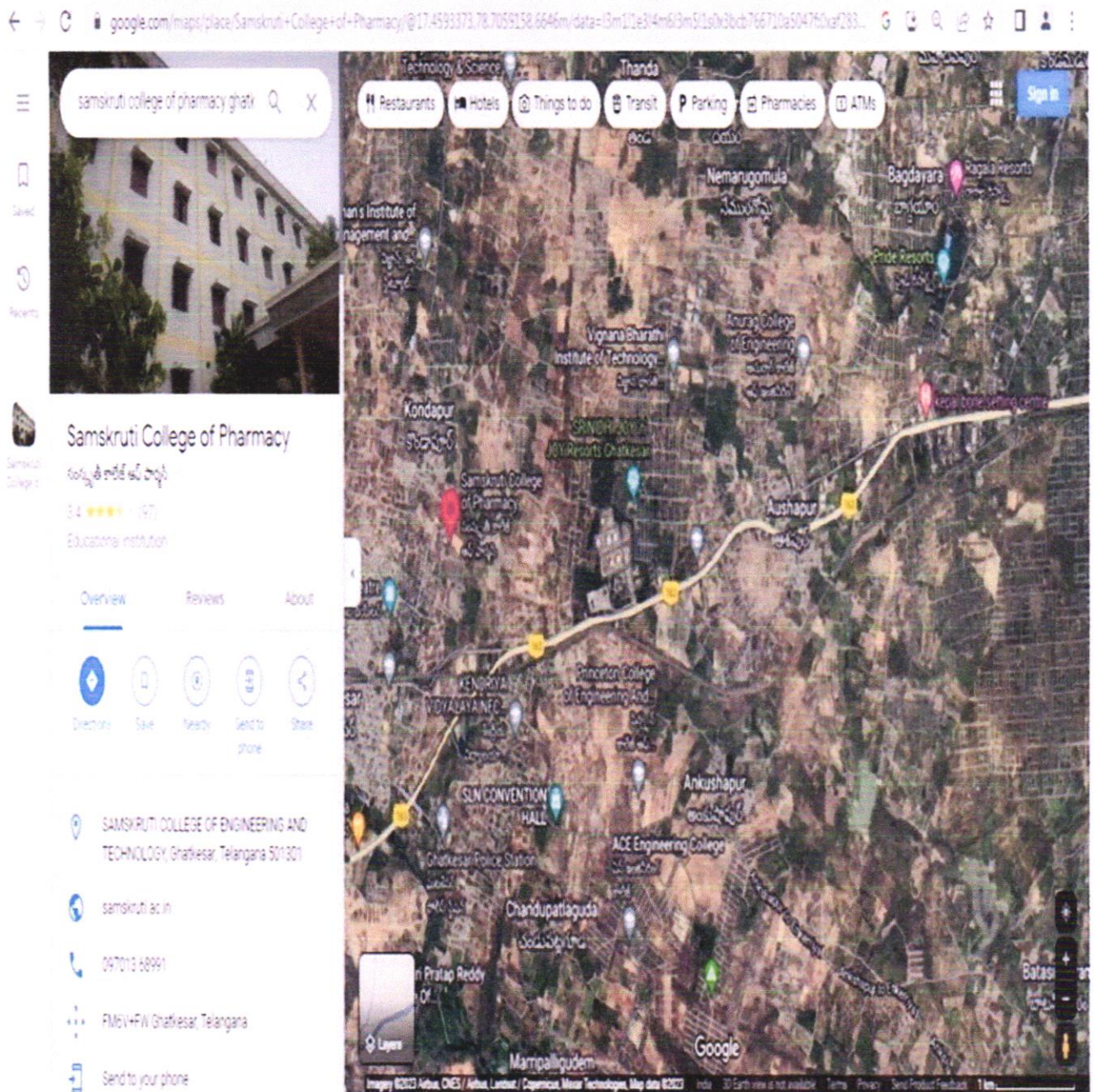


Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501201**

GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

The college has a sprawling pollution-free campus spread over 5.2 acres of land very near to the Kondapur village, Ghatkesar Mandal of Medchal District.



Google Map of College Campus and Location map screen shot

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist, PIN-501301**

TREE DIVERSITY OF SCOP



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

TREE DIVERSITY OF SCOP, Ghatkesar.

SCOP is within the geo-position between latitude N 17°27'42.69092” and longitude E78°41'40.9683” in SCOP, Telangana, India. It encompasses an area of about 30 Acres. The area is immense diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organized by the authority and have become an integral part of the college.

The trees of the college have increased the quality of life, in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. Many species of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favorite of birds and many insects.

Leaf covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colors. Even individual trees vary their appearance throughout the course of the year as the seasons change. The strength, long lifespan and regal stature of trees give them a monument – like quality They also remind us the glorious history of SCOP and our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day.

A thick belt of large shady trees in the periphery of the college have found be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire SCOP town and its surrounding areas.

“Green audit” is a principle introduced to make the educational institute environmentally sustainable. The purpose of the green audit is to ensure that the Green Policy is followed and implemented in the campus. Samskruti college of Pharmacy implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. As a part of such practices, an environmental audit (Green Audit) is conducted to evaluate the actual scenario on the campus. A survey on trees and other greeneries within the campus was done by the students.



Principal

Samskruti College of Pharmacy

Kondapur(V), Ghatkesar(M)

Medchal Dist, PIN-501301

Green Audit Report, SCOP-2021

The following are the tree species with whom we are being attached:

S.No.	Common Name	Scientific Name	Number
1	Nalleru	Cissus quadrangularis	02
2	Kamanchi	Solanum Nigrum	03
3	Lemon grass	Cymbogon	02
4	Ranapala	Bryophillum pinnatum	01
5	Tulasi	Sciumu	05
6	Attipatti	Mlmosa pudica	07
7	Kanakambaram	Crossandrain fundibuliformis	04
8	Fiery Costus	Chamaecostus Cuspidatus	02
9	Cayenne jasmine	Catharanthus roseus	02
10	Guava	Pisidium guava	06
11	Anjeer	Ficus Carica	01
12	Parijata	Cestrum Nocturnum	02
13	Indian plum	Ziziphus mauritiana	07
14	Sago palm	Cycas	02
15	Jennifer	Aster ericoides	01
16	Pomegranate	Punica granatum	03
17	Aloevera	Aloe barbadensis	18
18	Sea hibiscus	Talipara	02
19	Vepachettu	Azadirachta indica	20
20	Nereduchettu	Syzygiumcumini (L.) Skeels	02
21	Coconut	Cocos nucifera	04
22	Christmas Tree	Araucaria columnaris	06
23	Oyster plant	tradiscantia	03
24	Badam	Terminalia catappa	08
25	Usirikaaya	Phyllanthus emblica	04
26	Kanuga	Millettia Pinnata	09
27	Mango	Mangifera indica	03
28	Marri chettu	Ficus benghalensis	02
29	Raavi chettu	Ficus religiosa	04
30	Seethaphalam	Annona reticulata	02
31	Pala chettu	Alstonias cholaris	04
32	Sapota	Manilkara zapota	04
33	Drumstick	Moringa oleifera	02

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Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2021

34	Henna Tree	Lawsonia inermis	03
35	Oyster plant	Tradescantia	03
36	Blue flowered rattle pod	Crotalaria vessucosa L	03
37	Orchid plant	Cymbidium orchid	01
38	Lane puwak	Areca concinna	02
39	Peacock flower	Caesalpinia pulcberrima	08
40	Lantana camera flowers	Lantana camera	05
41	Parthenium (santa maria fever few)	Parthenium hysterophorus	20
42	Orchidtree (kanchon)	Bauhinia variegata	04
43	Sickle pod	Senna obtusifolia	07
44	Achar / chironji tree seeds	Buchanialanzan	01
45	Vampadan climbing shrub	Ventilago madeaspatana	03
46	Lebeck tree	Langil	05
47	Indian cork tree	Millingtonia hortensis linn.F	07
48	Veld grape	Cissus quadragularis	02
49	Cheese wood	Pittosporum tobira	06
50	Paper flower	Bougainvillea glabra	04
51	nilgiri	Eucalyptus globulus	05
52	Crown of thorns	Euphorbia millivar	15
53	Papaya	Carica papaya	02
54	Fire cracker flower	Crossan drain fundibuiiformis	02
55	Chamanthi	crysanthemum	02
56	Ixora coccinia	Rubiaceae	02
57	Jasminum cuspidatum	Oleaceae	03
58	Lawsoniainermis	Lythraceae	03
59	Mangiferaindica	Anacardiaceae	03
60	Screwpine	Pandanus veitchi	04
61	Lancepod	Loncho carpus costaricensis	03
62	Earpod tree	Enterolobium cyclocarpum	20
63	Nontry cypress	Cypressus and macrocarpa	06
64	Weeping fig	Ficus bengamina	07
65	Coat buttons	Tridax procumbens	06
66	Indian pulai	Alstroniascholaris	01
67	Trumpet tree	Tabebuia roser	03
68	Brush berry	Syzygiamaustrale	02

Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2021

69	Oyster	Tradescantia spathacea	02
70	Good luck plant	Cordyline fruticosa	01
71	Pergularia	Pergularia tomentosa	01
72	Cape honey suckle	Tecomaria capensis	07

Plantation Photo



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Green Trees And Plants Photo



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Main Entrance – Samskruti Group of Institutions



College Building – Samskruti College of Pharmacy



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Cafeteria – Samskruti College of Pharmacy



Canteen – Samskruti College of Pharmacy



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

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Basket ball court – Samskruti College Of Pharmacy



Play Ground – Samskruti College Of Pharmacy



A handwritten signature in green ink, appearing to be 'R. S. S.' or similar, written in a cursive style.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Volleyball court – Samskruti College Of Pharmacy



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

FAUNAL DIVERSITY IN SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

FAUNAL DIVERSITY IN SCOP

SCOP is located in District of Medchal, Telangana India. The highest temperature is recorded 42⁰ C just prior to the onset of monsoon (around May- early June). Summer rain is normal, and is principally caused from late June to August by the moisture-laden South- West Monsoon, on striking the Himalayan foothills of the north. The climatic condition of the SCOP district as a whole and SCOP in particular is very suitable for a wide variety of flora and fauna to support its rich biodiversity. The faunal Diversity of SCOP campus has been studied and documented as below:

S.No	CommonName	ScientificName
1.	Common Myna	Acridotheres Tristis
2.	House Sparrow	Passer Domesticus
3.	House Crow	Corvus Splendens
4.	Cuckoo	Cuculidae
5.	Snake	Naja Naja
6.	Yellow Wasp	Ropalidia Marginata
7.	Butter Fly	Danaus Genutia
8.	Honey bees	Apis
9.	Common Wood shrike	Tephrodornis Pondicerianus
10.	Pied Myna	Gracupica Contra
11.	Red-Vented Bulbul	Pycnonotus Cafer
12.	Skylark	Aluda Gulgula
13.	Garden Tiger Moth	Arctia Caja
14.	Little Owl	Athene Brama
15.	Oleander Moth	Syntomeida Epilais
16.	Slender Skimmer	Orthetrum Sabina
17.	Lizard	Indian Garden Lizard
18.	peacocks	Pavo cristatus
19.	Grass Hopper	Orthoptera
20.	Squirrel	Sciuridae
21.	Scarab Beetle	Coleoptera
22.	Lizard	Lacertilia
23.	Pigeon	Columbidae
24.	Parrots	Indian Rose Ringed Parakeet

Principal

Samskruti College of Pharmacy
Kondapur(V). Chatkesar(M),
Medchal Dist. PIN-001301



A handwritten signature in blue ink, consisting of stylized, cursive letters.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Trees and Plants- Samskruti College of Pharmacy



Handwritten signature in green ink.

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



A handwritten signature in green ink, appearing to be the name of the Principal.

Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

FLORAL DIVERSITY OF SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

FLORAL DIVERSITY IN SCOP



A green handwritten signature, likely of the Principal, is written in a cursive style.

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

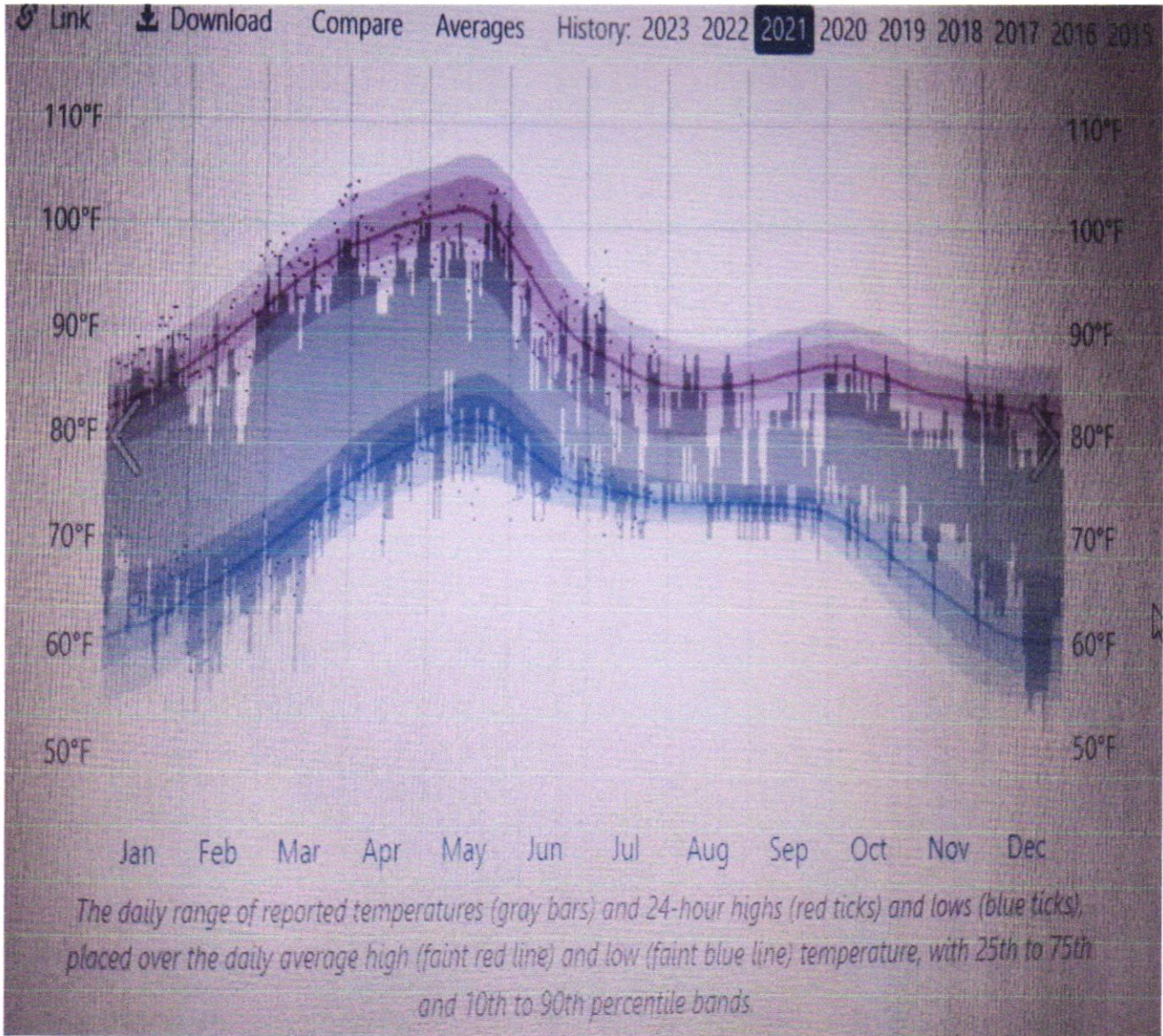
WEATHER DATA OF SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

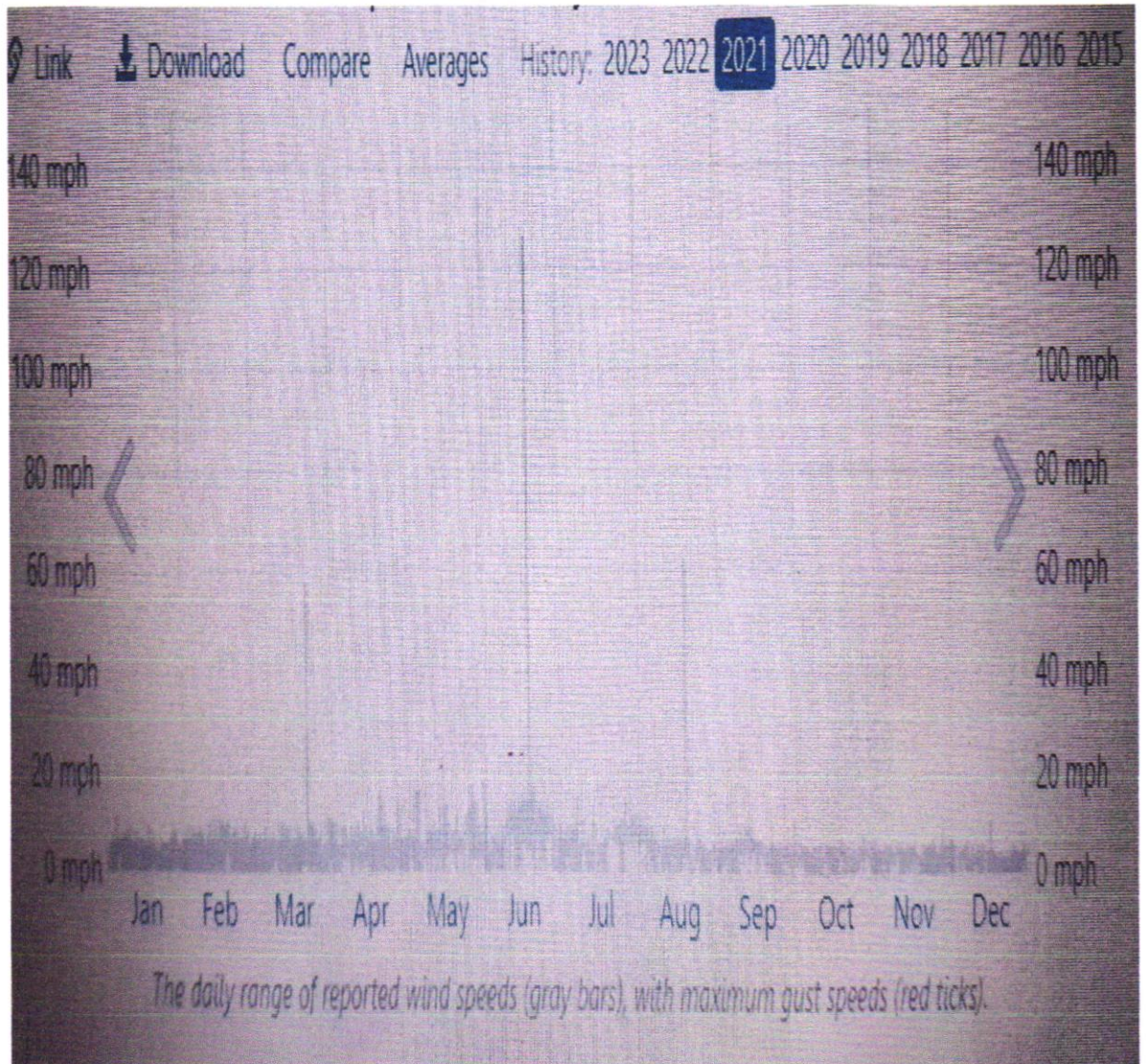
Weather Data – 2021



Temperature at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

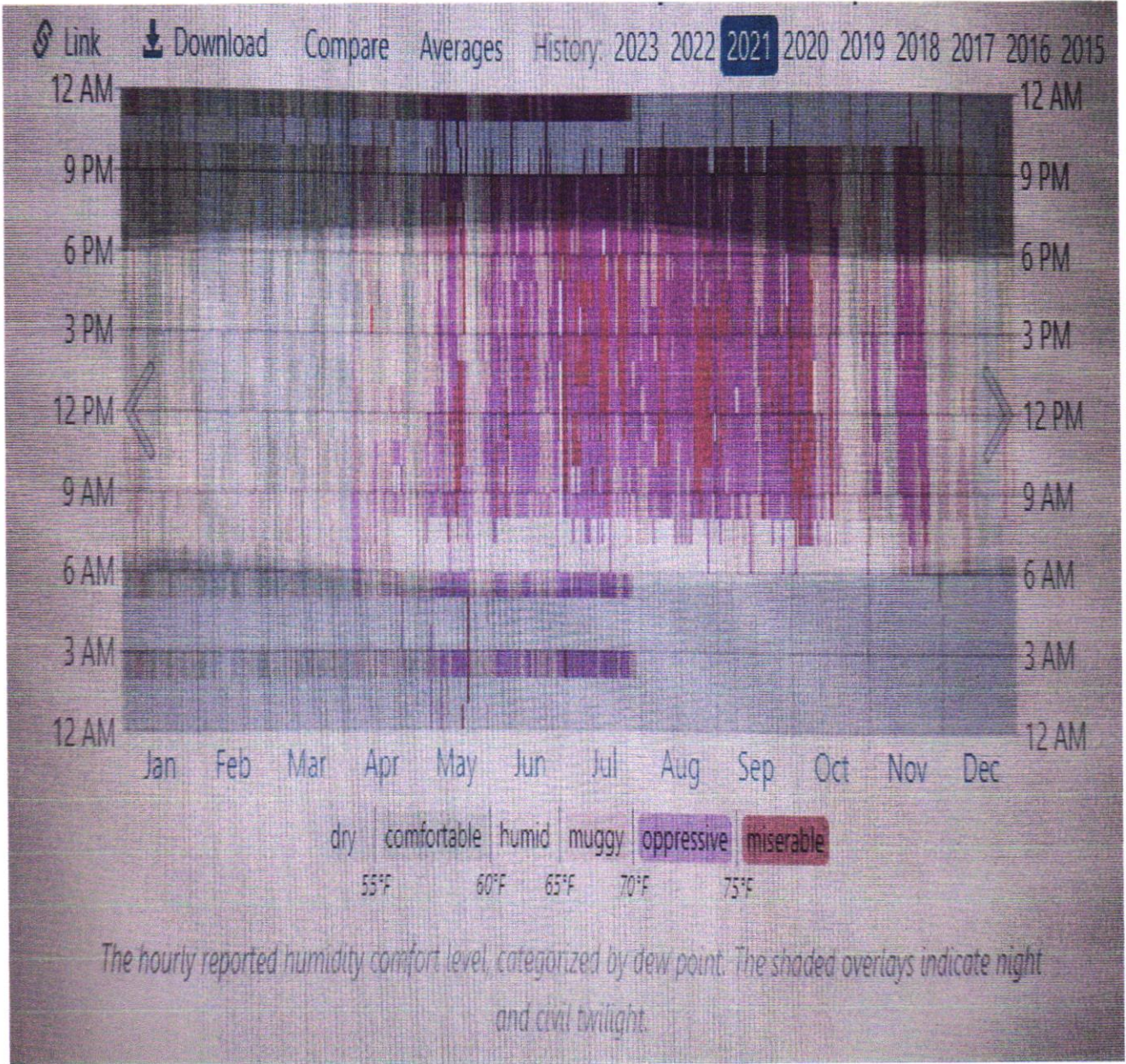
**Samskruti College of Pharmacy
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Medchal Dist. PIN-501301**



Wind Speed at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

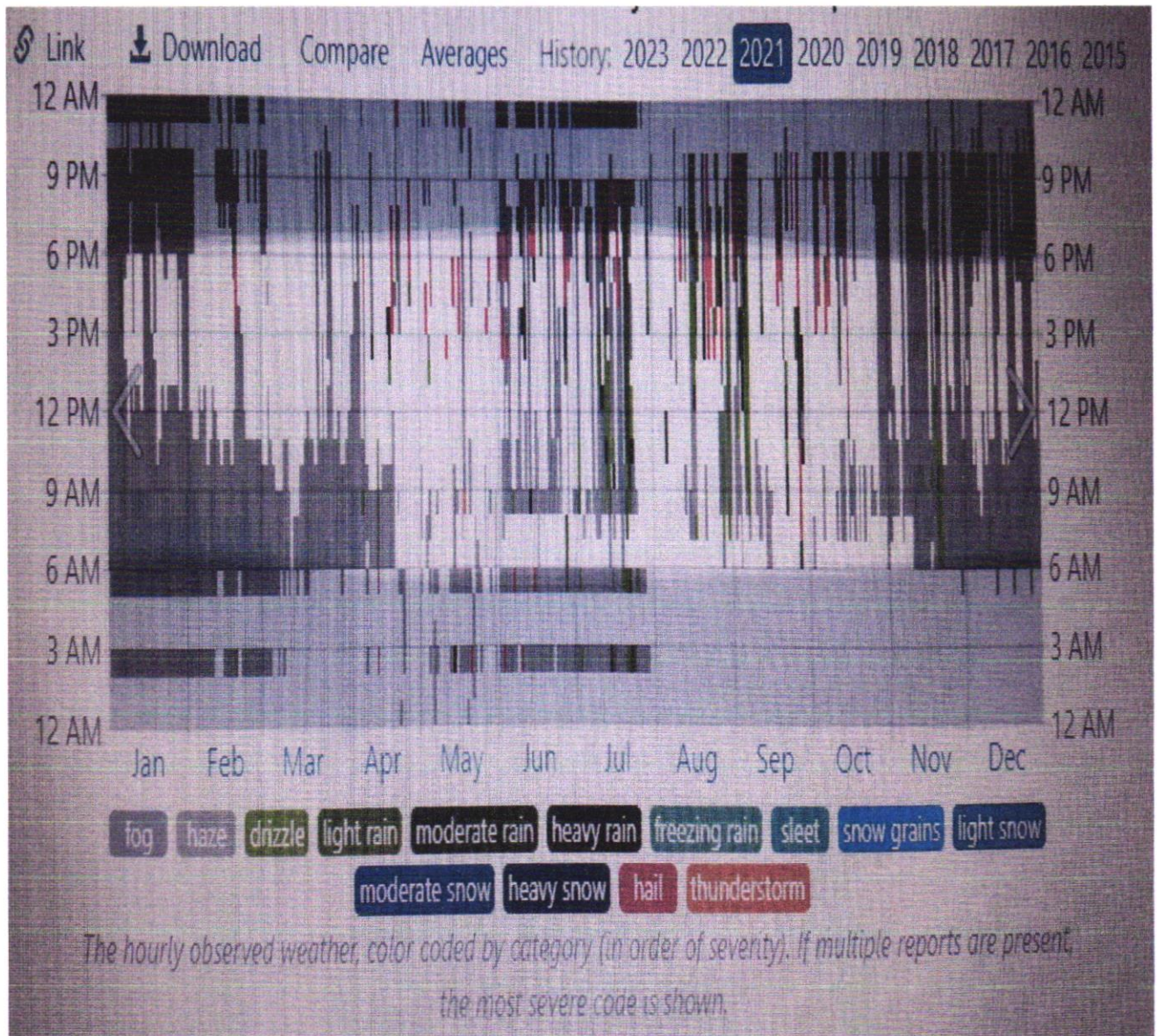
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



Humidity at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301



Rainfall at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

AIR QUALITY OF SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301


SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR(V), GHATKESAR.
AIR QUALITY ANALYSIS DETAILS AT SCOP CAMPUS

Date of Report	09.25.2021.
Sample collected by	B.Pharm Final Year Students
Sample collection Date	09.20.2021
Sample Description/Code	AIR QUALITY ANALYSIS

S.NO	NAME OF THE PARAMETER	TEST RESULTS				NAAQS LIMITS	TEST METHOD
		COLLEGE MAIN ENTRANCE	ADMIN BUILDING	CANTEEN AREA	SPORTS GROUND		
1	Particulate Matter (PM10)	61.6	52.7	51	75	100	IS 5182: Part- 23 (2012) CPCB Manual (NAAQMS: 36.2012-13) Gravimetric method (Cyclonic Flow technique)
2	Particulate Matter (PM2.5)	20.1	15.3	15.3	25	60	IS 5182: Part- 2 (2012)
3	Sulphur dioxide as SO ₂ (µg/m ³)	0	0	0	0	80	IS 5182: Part- 6 (2012)
4	Nitrogen dioxide as NO _x (µg/m ³)	0	0	0	0	80	IS 5182: Part- 6 (2012)

Checked by
S. Srinivasa
Shiva Srikrishna, Asst. Prof.

Authorized Signatory
M.R.S.
Dr. Y. Shrinisha, Prof.



Principal

Samskruti College of Pharmacy,
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

NOISE LEVEL IN THE SURROUNDING OF SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2021

SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR (V), GHATKESAR.
NOISE LEVEL MEASUREMENT DETAILS AT SCOP CAMPUS

Date of Report	09.25.2021
Sample collected by	B.Pharm final year students
Sample collected date	09.20.2021
Sample description	Noise level measurements

S.NO	SAMPLING LOCATION	MEASUREMENT (DURATION IN SECS)	MINIMUM (DBA)	MAXIMUM (DBA)	AVERAGE (DBA)
1	College main out gate	60	41.5	73.5	57.5
2	Parking area	60	43	60.3	51.65
3	Administrative block	60	40.3	71.4	55.85
4	Canteen	60	48.7	66.9	56.8
5	Main block	60	48	74	62
6	Ladies hostel	60	46	68	57
7	Sports ground	60	50.5	75.6	63.05
8	College main in gate	60	52	72	62

S. Srikrishna

Checked by
Shiva Srikrishna, Asst. Prof.

Y. Shirisha

Authorized Signatory
Dr. Y. Shirisha, Prof.

[Handwritten Signature]

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

WATER ANALYSIS REPORT OF SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.

Water Consumption Details at SCOP Campus

Month	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)	Consumption Details for 2020-21 (Liters in Lakhs)
January	2.0	2.5	2.3
February	2.3	2.0	2.1
March	2.0	2.2	2.2
April	2.5	2.3	2.0
May	2.2	2.0	2.3
June	2.1	2.2	2.4
July	2.5	2.0	2.3
August	2.3	2.3	2.5
September	2.2	2.1	2.4
October	2.1	2.4	2.0
November	2.0	2.2	2.1
December	2.0	2.1	2.2

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.

Water Collection Details at SCOP Campus

Month	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)	Collection Details for 2020-21 (Liters in Lakhs)
January	2.7	2.6	2.7
February	2.5	2.5	2.6
March	2.6	2.6	2.5
April	2.7	3	2.8
May	2.5	2.5	2.7
June	2.7	2.7	2.8
July	2.9	2.5	2.9
August	3	2.7	2.6
September	2.8	2.6	2.7
October	2.9	2.8	2.6
November	2.6	2.8	2.8
December	2.7	2.9	2.9

Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. Tel. 511501

Directed by
Shiva Srikrishna, Asst. prof.

Authorized Signatory
Dr. Y. Shirisha, prof.

Green Audit Report, SCOP-2021

SANSKRUTI COLLEGE OF PHARMACY, KONDAPUR (V), GHATKESAR.
BORE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.25.2021
Sample collected by	B.Pharm final year students
Sample collection Date	09.20.2021
Sample Description /Code	Bore Water

S.NO	Parameter	Unit	Method	Result	IS 10500 limits	
					Acceptable	Permissible
1	pH		APHA 23 RD EDITION, 4500 H-B	6.71	65.65	No Relaxation
2	Turbidity	NTU	APHA 23 RD EDITION, 2130 B	2	2	2
3	Conductivity	μMho/cm	APHA 23 RD EDITION, 2510 B	3051		
4	Total dissolved Solids	mg/L	APHA 23 RD EDITION, 2540 B	1984	500	2000
5	Colour	CU	APHA 23 RD EDITION, 2120 B	<5	5	15
6	Odor			Agreeable	Agreeable	Agreeable
7	P.Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	<5		
8	Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	450	200	600
9	Total Hardness as CaCO ₃	mg/L	APHA 23 RD EDITION, 2340 B	541	200	600
10	Calcium as Ca	mg/L	APHA 23 RD EDITION, 3500 B	110	75	200
11	Magnesium as Mg	mg/L	APHA 23 RD EDITION, 3500 B	14	55	100
12	Sodium as Na	mg/L	APHA 23 RD EDITION, 3500 B	321		
13	Potassium as K	mg/L	APHA 23 RD EDITION, 3500 B	191		
14	Chloride as Cl	mg/L	APHA 23 RD EDITION, 4500 B	10.2	250	400
15	Sulphates as So ₄ ⁻²	mg/L	APHA 23 RD EDITION, 4500 B	0.8	200	No Relaxation
16	Nitrate Nitrogen as N	mg/L	APHA 23 RD EDITION, 4500 B	<0.3	45	2.5
17	Flourides as F	mg/L	APHA 23 RD EDITION, 2500 B	<0.1	1	No Relaxation
18	Iron as Fe	mg/L	APHA 23 RD EDITION, 3500 B	<0.001	0.3	0.3
19	Manganese as Mn	mg/L	APHA 23 RD EDITION, 5530 B	<0.01	0.1	0.002
20	Phenols Compounds	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.001	No Relaxation
21	Cromium as Cr ⁷	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.05	3
22	Residual Chlorine as CL	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.2	No Relaxation
23	Total cyanide	mg/L	APHA 23 RD EDITION, 3111 B	<0.01	0.005	1.5
24	Copper as Cu	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.005	No Relaxation
25	Cadmiun as Cd	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.003	1.5
26	Zinc as Zn	mg/L	APHA 23 RD EDITION, 3111B	<0.5	5	No Relaxation
27	Lead as Pb	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.01	400

S. Srikrishna
Directed by
Shiva Srikrishna, Asst. prof

Y. Shirisha
Authorized Signatory
Dr. Y. Shirisha, prof.



Principal


Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301


Green Audit Report, SCOP-2021

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR(V), GHATKESAR.
WASTE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.25.2021
Sample collected by	B.Pharm Final Year Students
Sample collected Date	09.20.2021
Sample Description/Code	Waste Water

S.NO	Parameter	Method	Unit	Result
1	Ph	APHA 23 RD Edition 4500 H + B		7.20
2	Total Dissolved Solids	APHA 23 RD Edition 2504 C	mg/l	706
3	Total Suspended solids	APHA 23 RD Edition 2504 D	mg/l	71
4	Chemical Oxygen Demand as COD	APHA 23 RD Edition 5220 B	mg/l	61
5	Biological Oxygen Demand as BOD	IS : 3025(Part-44) : 2009	mg/l	21
6	Oil & Grease	APHA 23 RD Edition 5520 B	mg/l	<7


Checked by
Shiva Sri Krishna, Asst. Prof.


Authorised Signatory
Dr. Y. Shrisha, Prof.



Principal
Samskruti College of Pharmacy
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Medchal Dist. PIN-501301

Common Water tank



Water harvesting Pit



Water Conservation facilities available in the Institution

A handwritten signature in green ink, appearing to be the name of the Principal.

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

**SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR,
GHATKESAR.**

Water Consumption Details

Month	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)	Consumption Details for 2020-21 (Liters in Lakhs)
January	2.0	2.5	2.3
February	2.3	2.0	2.1
March	2.0	2.2	2.2
April	2.5	2.3	2.0
May	2.2	2.0	2.3
June	2.1	2.2	2.4
July	2.5	2.0	2.3
August	2.3	2.3	2.5
September	2.2	2.1	2.4
October	2.1	2.4	2.0
November	2.0	2.2	2.1
December	2.0	2.1	2.2



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Medchal Dist. PIN-501301**

**SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR,
GHATKESAR.**

Water Collection Details at SCOP Campus

Month	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)	Collection Details for 2020-21 (Liters in Lakhs)
January	2.7	2.6	2.7
February	2.5	2.5	2.6
March	2.6	2.6	2.5
April	2.7	3	2.8
May	2.5	2.5	2.7
June	2.7	2.7	2.8
July	2.9	2.5	2.9
August	3	2.7	2.6
September	2.8	2.6	2.7
October	2.9	2.8	2.6
November	2.6	2.8	2.8
December	2.7	2.9	2.9



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
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WASTE DISPOSAL AT SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Waste Management

Solid waste management:

Solid waste is collected from class rooms and labs every morning by housekeeping staff in separate containers and assembled at the waste yard marked as compost pit at extreme end of the campus. Here the dry waste including paper/plastics etc. is segregated and sent in vans to recyclable joints and/or Municipal Corporation dump yard. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items. Many of our students are encouraged for making best from waste items by using plastic bottles etc. In our college campus NO PLASTIC sign boards and flexes are available to encourage students and staff not to use plastic item. On behalf of July 3, 2021 an International “NO PLASTIC” day, the students of Samskruti College of Pharmacy performs awareness programs in and outside the campus in nearby village.



The solid waste generated in the campus includes wrappers, glass, metals, paper, plastics, etc. Old newspapers, used papers, workshop scrap etc. are picked up by Ghatkesar municipality and moved to dump yard for recycling or other purpose. Glass, metals, plastic and other non-biodegradable wastes are given to Ghatkesar Municipality Corporation where they are segregated and disposed/ recycled according to the nature of the waste.

College adopts almost paperless concept by digitization of office procedures through electronic means via whatsapp groups, emails etc. thus, reducing paper-based waste and reduce carbon dioxide emissions. Some announcements and programmes are conducted using various apps and by sharing link to the students. Power Point presentations are also shared to student's whatsapp groups by the faculty members to reduce the wastage in paper printing as well as expenses. Use of paper printed on one side is encouraged in print drafts before final document, meeting minutes, memos and notes in office practices as environmentally preferred alternative to waste management. Biodegradable kitchen waste from mess and cafeteria is collected in separate bins. Horticultural wastes such as dried leaves, twigs, and plant clippings are collected from all around the campus and used for bin composting. Dustbins have been installed throughout campus for

Principal

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Mendhara District, Maharashtra

Green Audit Report, SCOP-2021
waste segregation.

Students are encouraged to use waste paper and newspaper in creative practices during various extracurricular activities.

Reducing Plastic Usage: Now a days the usage of plastic has increased, which is a great problem to the environment as it takes hundreds of years for the waste plastic to decompose. Though govt. has planned to stop the usage of plastic bags the implementation of the same has become a major challenge for the government as there is very little awareness on the problems of plastic usage in general public. So, it is our duty to reduce the usage of plastic by spreading awareness on the problems associated with plastic use. Thus, our students have took up this as challenge and started an awareness program to reduce the plastic usage. Under this activity we visited some of the streets and made people aware of how we are damaging environment by usage of plastic items.

Liquid Waste Management:

Liquid waste is generated from Science laboratories and canteen. Liquid wastes generated are of two types:

- Sewage Waste
- Laboratory and canteen effluent.

The liquid wastes are mainly drained to improve the ground level of water.

Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Lab In-charge and lab-assistant takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and

safety aspects when they are given instructions before utilizing the chemicals. The chemicals are wisely utilized for the batches of students in morning and afternoon under the guidance

of faculty. Water for washing and rinsing of glassware for cleaning is done with regular water in low amounts. The Chemicals used in the experiments are diluted and after usage the chemical waste gets mixed with routine wastewater.

E-waste management:

Electronic goods are put to optimum use; the minor repairs are set right by the laboratory assistants and the major repairs are handled by the support of technical assistants. The equipment which cannot be refurbished for re-use is dismantled and labelled as e-waste.

Input devices like keyboards which are of no use are utilized by students for their typing practice and teaching in a very basic level. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non-hazardous items are used by students for scrap art in extra-curricular activities.



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Green Audit Report, SCOP-2021

Any other relevant information:

The institution conducts academic exhibition annually in the event of annual fest where the participants from schools and colleges are invited. As a part of annual fest and some other programmes this, the students of the institution makes exhibits by using solid waste like papers, water bottles, iron pieces, rubbers and other e – waste like tube lights, bulbs, etc.

Also institution held various events like scrap art, face painting etc. on the eve of National Pharmacy week celebrations.



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TRANSPORTATION

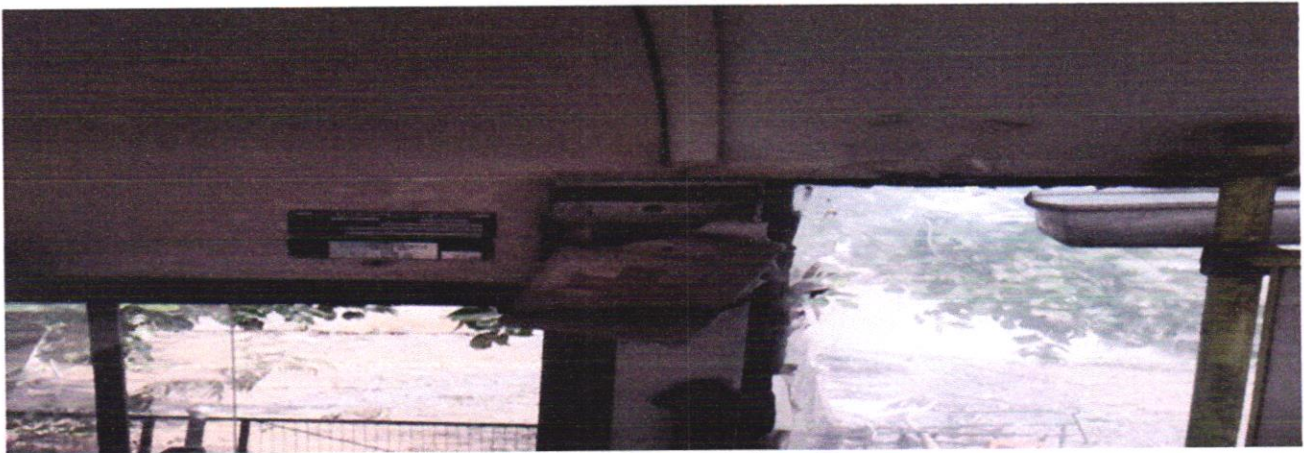


Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**



College bus Parking Place at SCOP



First Aid Box in the College Bus



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

Two wheeler parking and Pedestrian friendly pathways at SCOP

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Kondapur(V). Ghatkesar(M),
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Pedestrian friendly pathways at SCOP



Pedestrian friendly pathways at SCOP

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Bicycle Parking Place at SCOP



Electrical Vehicle Parking Place at SCOP



Car Parking Place at SCOP

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**Samskruti College of Pharmacy
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ELECTRICAL ENERGY CONSUMPTION AT SCOP



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Green Audit Report, SCOP - 2021

S.NO	Month	2017	2018	2019	2020	2021
1	January	8,440	5,809	8,406	9,499	3,866
2	February	9,680	14,677	10,863	11,551	6,806
3	March	12,280	12,819	13,122	12,960	9,040
4	April	14,140	11,478	16,546	7,917	5,004
5	May	10,850	11,699	15,897	5,812	7,425
6	June	9,150	14,263	11,850	5,648	5,826
7	July	6,201	12,879	16,366	7,108	5,141
8	August	10,468	15,899	15,805	7,062	9,975
9	September	9,214	18,005	16,368	6,054	9,984
10	October	9,160	12,253	11,170	7,651	12,531
11	November	8,797	13,306	12,395	9,277	10,342
12	December	9,285	11,950	12,326	8,398	10,317
Total (Kwh)		117,665	155,037	161,114	98,937	96,257



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Replacement of Tube lights with LED's

S. No	Tube Lights			LEDs Replaced		
	Power Rating	Qty	Total Power	Philips Make		
	Power Rating	Qty	Total Power	Power Rating	Qty	Total Power
1	40 W	123 No	4.92 KW	20 W	104 No	2.08 KW

Total 9.08 KW of power consumption is reduced to 7.0 KW with the replacement of Non-LED Lamps and Tube Lights with LEDs.



Principal

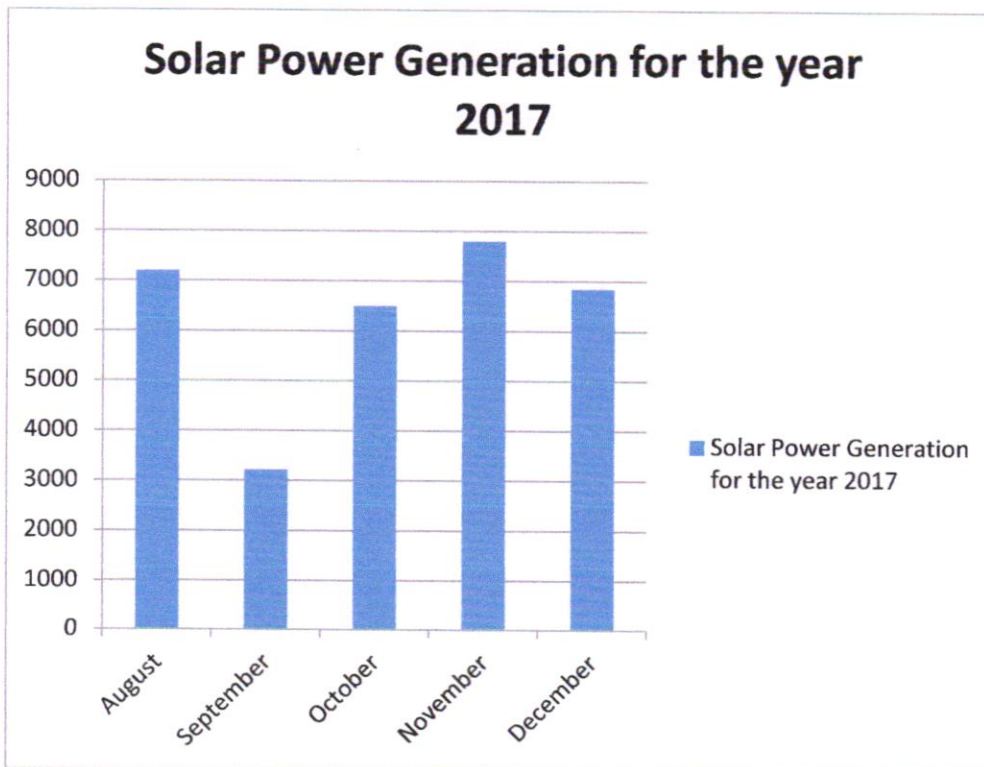
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SOLAR ENERGY GENERATION IN SCOP



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Medchal Dist. PIN-501301

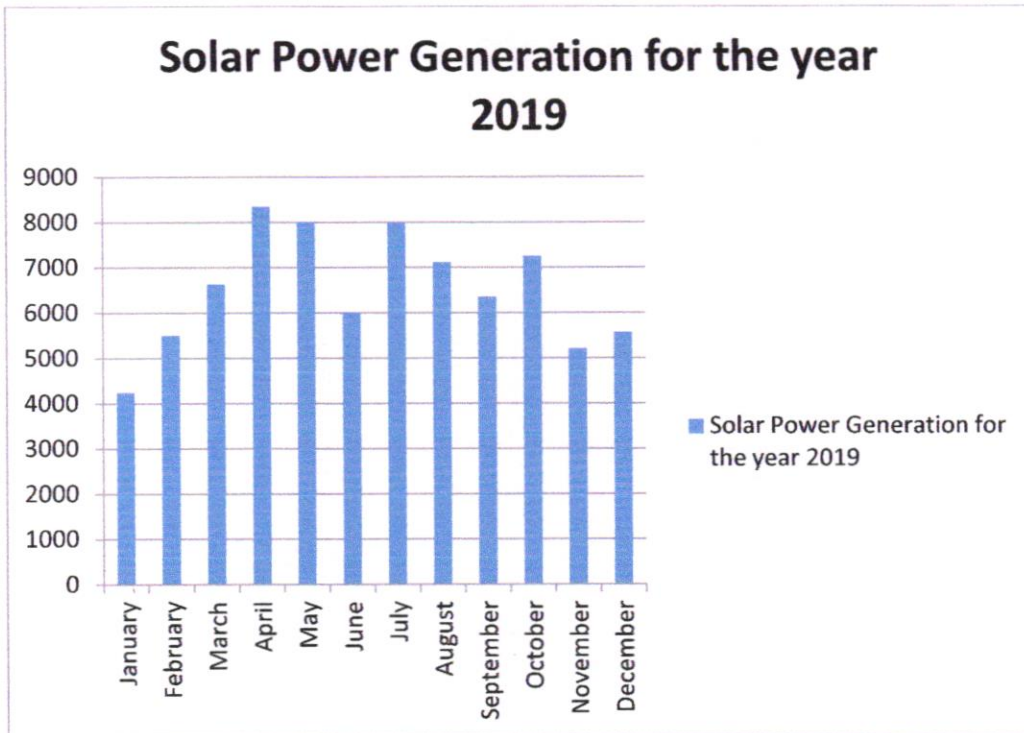
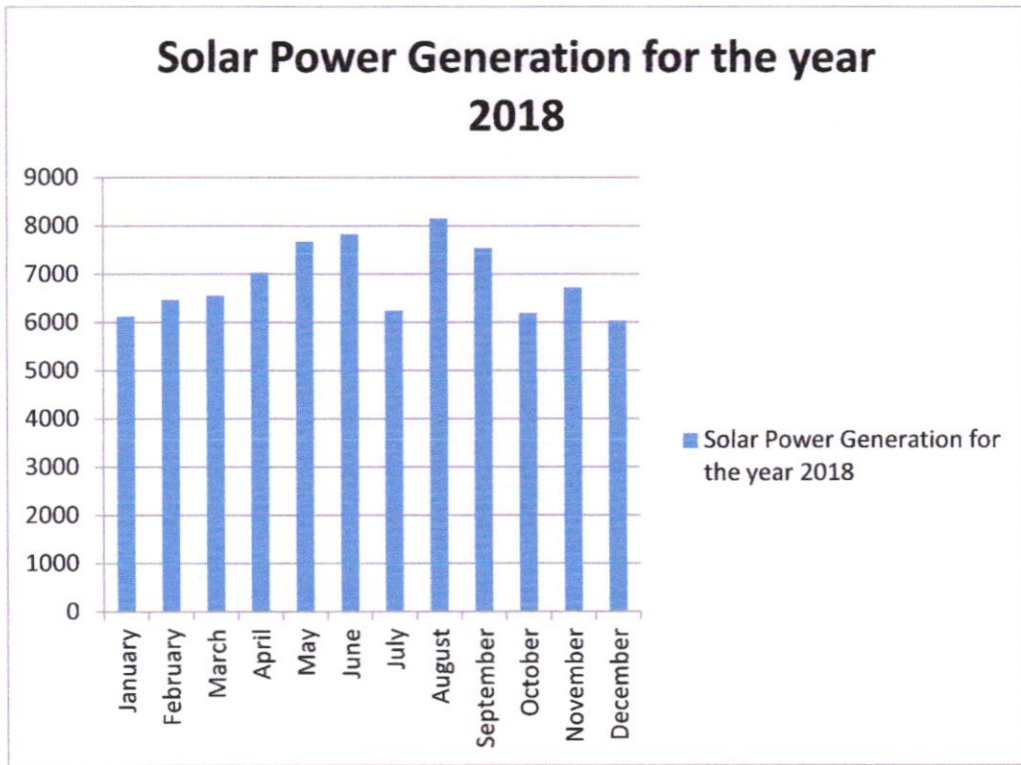
Solar Generation in units (KWh)						
S.NO	Month	2017	2018	2019	2020	2021
1	January	Nil	6128	4248	4504	4207
2	February	Nil	6472	5512	5768	5471
3	March	Nil	6562	6636	6892	6599
4	April	Nil	7035	8348	8006	7256
5	May	Nil	7671	8018	8270	7425
6	June	Nil	7837	6007	6259	5966
7	July	Nil	6245	8004	7425	8035
8	August	7200	8154	7118	7342	7121
9	September	3220	7543	6352	6576	6355
10	October	6500	6196	7255	7479	7262
11	November	7800	6726	5214	5438	5221
12	December	6843	6036	5573	5797	5580
Total (Kwh)		31,563	82,605	78,285	79,756	76,498



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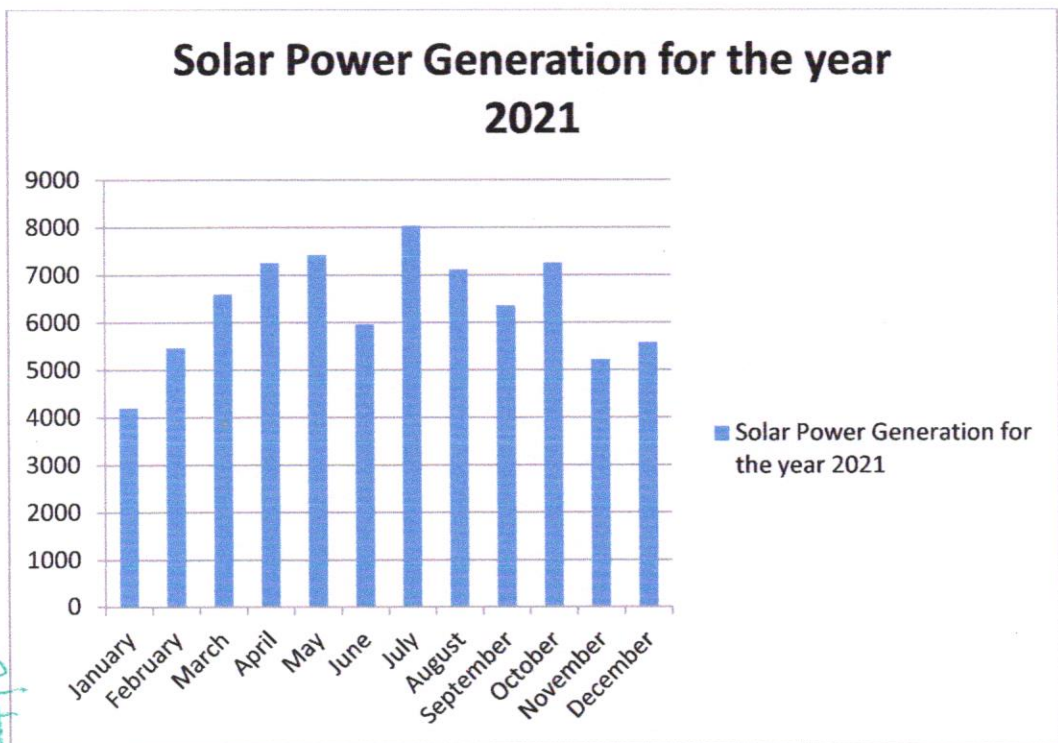
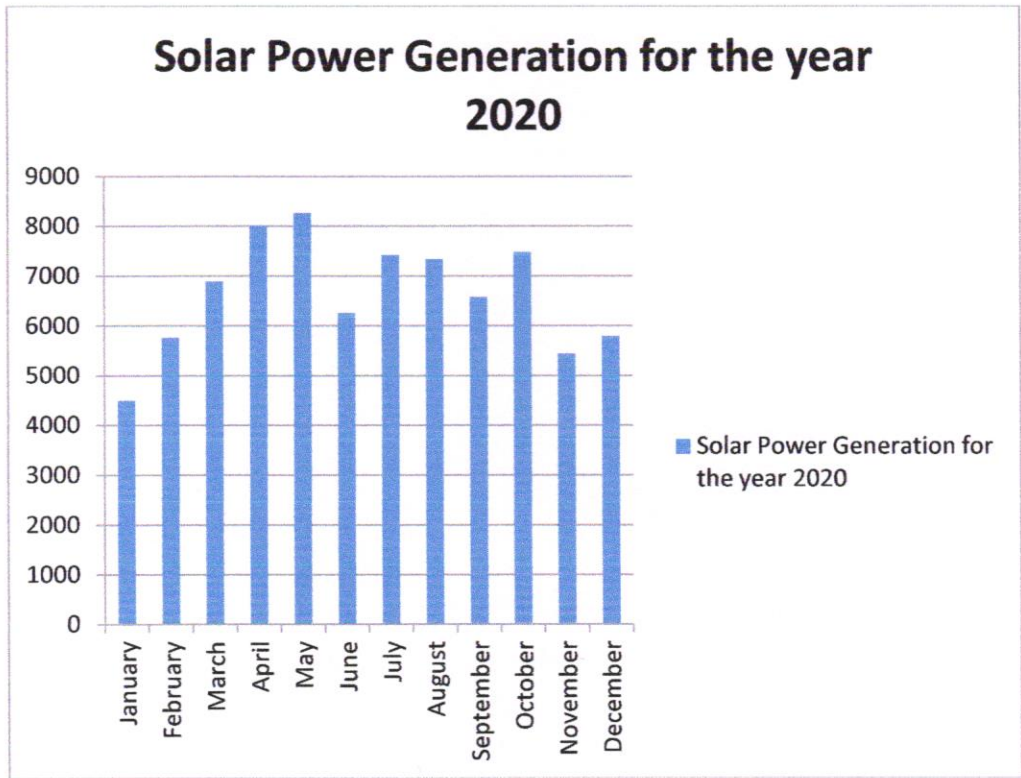
Principal

Samskruti College of Pharmacy
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 Medchal Dist. PIN-501301



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Medchal Dist. PIN-501301

ENERGY CONSUMPTION AND EXPORT



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2017

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	NIL	NIL	NIL	8440	8440
2	February	NIL	NIL	NIL	9680	9680
3	March	NIL	NIL	NIL	12280	12280
4	April	NIL	NIL	NIL	14140	14140
5	May	NIL	NIL	NIL	10850	10850
6	June	NIL	NIL	NIL	9150	9150
1	July	NIL	NIL	NIL	6201	6201
2	August	7200	2156	5044	5424	10468
3	September	3220	1527	1693	7521	9214
4	October	6500	2355	4145	5015	9160
5	November	7800	2636	5164	3633	8797
6	December	6843	1865	4978	4307	9285
Total (KWh)		31563	10539	21024	96641	117665



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2018

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	6128	2992	3136	2673	5809
2	February	6472	1171	5301	9376	14677
3	March	6562	1132	5430	7389	12819
4	April	7035	1516	5519	5959	11478
5	May	7671	1462	6209	5490	11699
6	June	7837	1162	6675	7588	14263
7	July	6245	695	5550	7329	12879
8	August	8154	851	7303	8596	15899
9	September	7543	781	6762	11243	18005
10	October	6196	2084	4112	8141	12253
11	November	6726	1272	5454	7852	13306
12	December	6036	1054	4982	6968	11950
Total (KWh)		82605	16172	66433	88604	155037



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**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2019

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4248	2151	2097	6309	8406
2	February	5512	1305	4207	6656	10863
3	March	6636	923	5713	7409	13122
4	April	8348	1401	6947	9599	16546
5	May	8018	1002	7016	8881	15897
6	June	6007	1199	4808	7042	11850
7	July	8004	321	7683	8683	16366
8	August	7118	738	6380	9425	15805
9	September	6352	701	5651	10717	16368
10	October	7255	1713	5542	5628	11170
11	November	5214	621	4593	7802	12395
12	December	5573	720	4853	7473	12326
Total (KWh)		78285	12795	65490	95624	161114

In addition to making Environmental Studies a very vital subject in our syllabus, SCOP has gone a step further by putting that theory into practice. The energy from this solar installation is helping offset the institute's daytime peak electricity demand from the grid. SCOP with the installation of 64KWp solar rooftop plant and was able to offset 50% of its energy usage from the state grid thus moving towards a more reliable and greener option and reducing its carbon footprint.

The rise in global temperatures year after year poses an existential threat to the planet. The global leaders and the United Nations (UN) have been showing great concerns in various summits and conferences about measures, international laws and agreements to sustainable development and environmental conservation. No wonder, ignorance of this may result in fatal natural disasters, economic bottlenecks resulting in endangered inhabitation. The management and the administration of Samskruti College of Pharmacy in pursuance of "Going towards green" has established a Grid tied solar project to meet the electrical power requirement needs of the college and to preserve natural resources for current and future

generations.

Principal

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2020

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4504	720	3784	5715	9499
2	February	5768	1521	4247	7304	11551
3	March	6892	1293	5599	7361	12960
4	April	8006	2014	5992	1925	7917
5	May	8270	3954	4316	1496	5812
6	June	6259	2658	3601	2047	5648
7	July	7425	1926	5499	1609	7108
8	August	7342	1853	5489	1573	7062
9	September	6576	2438	4138	1916	6054
10	October	7479	3881	3598	4053	7651
11	November	5438	1730	3708	5569	9277
12	December	5797	1959	3838	4560	8398
Total (KWh)		79756	25947	53809	45128	98937

The total capacity of the installation is 64 KWp (kilowatt 'peak' power output) which was established with an initial cost of 41.6lakhs. A total of 204 multi crystalline panels each with 315Wp were installed on rooftops of Engineering college building. The inverter network comprises of 3 units with 25 KVA capacity. The following show typical panel installation.

Even for power failures, solar plant is generating the power with the help of PV_DG Controller. It controls the solar power generation from 1% to 100% as per the load requirement by maintaining spinning reserve of DG at about 25-30%. Apart from this, a 20KVAR APFC panel has installed at incoming main busbar to maintain Unity Power Factor throughout a day.

In future, the college is planning to be self-sufficient for its electrical power requirements by introducing energy efficient lamps, fans and solar streetlights for contributing to the sustainable development and environmental conservation.

Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medak, Dist. Nalgonda, Telangana 501301

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2021

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4207	2236	1971	1895	3866
2	February	5471	3423	2048	4758	6806
3	March	6599	3040	3559	5481	9040
4	April	7256	3852	3404	1600	5004
5	May	7425	1601	5824	1601	7425
6	June	5966	1300	4666	1160	5826
7	July	8035	5107	2928	2213	5141
8	August	7121	2854	4267	5708	9975
9	September	6355	812	5543	4441	9984
10	October	7262	1299	5963	6568	12531
11	November	5221	1893	3328	7014	10342
12	December	5580	605	4975	5342	10317
Total (KWh)		76498	28022	48476	47781	96257



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Samskruti College of Pharmacy
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EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS

Financial Year	Garden Maintenance (Rs)	Purchase of LED's (Rs)	Renewable sources (Solar lamps) (Rs)	Total (Rs.)
2016 - 2017	1,35,500/-			1,35,500/-
2017 - 2018	1,40,400/-			1,40,400/-
2018 - 2019	1,44,200/-			1,44,200/-
2019 - 2020	1,50,000/-			1,50,000/-
2020 - 2021	2,08,100/-	1300/-		2,09,400/-

-----THE END-----



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Energy Management System in accordance with

ISO 50001:2011

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181201-EM

Certificate Number

31 December 2020

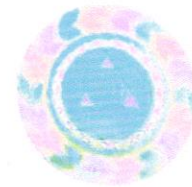
Date of Last Issue

31 December 2018


Date of Initial Registration

30 December 2021

Date of Expiry



Certificate is Valid for 1 Year (31.12.2020 to 30.12.2021) From the
Date of Last Issue. Upon Successful Completion of Re Certification
Audit New Certificate With an Extended Validity will be issued.



Signed on behalf of GMCSPL

Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matrusri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.
www.mcsglobal.in, E.mail:info@mcsglobal.in

Accredited by: Quality Accreditation Council, Accreditation No.116102, www.qac.in.org
This certificate is the property of GMCSPL, and shall be returned upon request by GMCSPL
The Registration does not assure the quality of yields under the firm's production.

F-50 (Version 4.00, 28.08.2017)


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Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies an Environmental Management System in accordance with

ISO 14001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181202-E

Certificate Number

31 December 2020

Date of Last Issue

31 December 2018


Date of Initial Registration


30 December 2021

Date of Expiry



Certificate is Valid for 1 Year (31.12.2020 to 30.12.2021) From the
Date of Last Issue. Upon Successful Completion of Re Certification
Audit New Certificate With an Extended Validity will be issued.


Signed on behalf of GMCSPL


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Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matrusri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.
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181207-Q

Certificate Number

31 December 2020

Date of Last Issue

31 December 2018

Date of Initial Registration

30 December 2021

Date of Expiry



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GREEN AUDIT REPORT

2019-2020



**Samskruti college of pharmacy:: Ghatkesar
Kondapur, Ghatkesar, Telangana**

Accredited by NAAC

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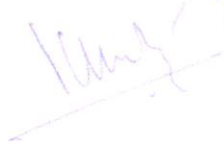
**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M).**

Pharmacy, Ghatkesar, Telangana

Green Audit Assessment Team



**K.Siva Naga Prasad, Lead Auditor
EMS/EnMS**



K.V.Murthy, Lead Auditor EMS/EnMS



Ch.RamaRao, Lead Auditor EMS/EnMS



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INTRODUCTION



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INTRODUCTION

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is an important process for any college or institution to determine how and where they are using the most energy or water or other resources; based on which the college can then consider how to implement changes and make savings. It can create health consciousness and promote environmental awareness, values and ethics. It provides the staff and students a better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it can also be stated that institutional self-enquiry is a natural and necessary outgrowth of any quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is becoming more prevalent.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric CO₂ from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through carbon footprint reduction measures.



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OBJECTIVES



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OBJECTIVES

In recent time, the Green Audit of an institution has been becoming a paramount importance for self- assessment of the institution which reflects the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep our environment clean since its inception. Therefore, the purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green audit are:

- To map the geographical location of the institution.
- To document the floral and faunal diversity of the college.
- To record the meteorological parameter of SCOP where the college is situated.
- To document the ambient environmental condition of weather, air, water and noise of the college.
- To document the waste disposal system.
- To estimate the Energy requirements of the college.
- To report the expenditure on green initiatives during the last five years.



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METHODOLOGY



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METHODOLOGY

The purpose of the green audit of SCOP is to ensure that the practices followed in the campus are in accordance with the Green Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.



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ABOUT THE COLLEGE



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ABOUT THE COLLEGE

The Samskruti College of Pharmacy, one of the four educational institutions sponsored by the Vincent Education Society, was established in 2006 with a vision to impart quality technical education and is affiliated to Jawaharlal Nehru Technological University Hyderabad. The College is a little away from the din and bustle of Ghatkesar, a town with a historic and hoary past, about 15 Km. south of Hyderabad on Hyderabad-Warangal highway and rail route. The college offers B.Pharmacy, Pharm.D, Pharm.D(PB) and M.Pharmacy in three specializations of Pharmacy- Pharmaceutics, Pharmaceutical Analysis and Pharmacology.

Programmes offered by the institution

S.NO	Programme Code	Programme Name
01	1R	B.Pharmacy
02	1T	Pharm.D
03	5T	Pharm.D (PB)
04	S03	M. Pharmacy-Pharmaceutics
05	S12	M.Pharmacy-Pharmaceutical Analysis
06	S01	M.Pharmacy-Pharmacology



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VISION AND MISSION STATEMENTS



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Vision

- To be center of excellence by redefining pharmacy education and nurture globally competent professional pharmacists.
- To empower the faculty and students with knowledge, skills and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of Pharmacy, clinical research and interdisciplinary endeavors.

Mission

- To train and develop students into professional pharmacists so as to fulfill the industrial and community needs. To shoulder the responsibility of reducing the suffering mankind by providing pharmaceutical care.
- To maintain high values and standards so as to make students technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.



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GREEN AUDITING



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GREEN AUDITING

Samskruti College of Pharmacy has been taken several initiatives to transform the college as “Green Campus” and adopted the ‘Green Campus’ system for environmental conservation in order to achieve environmental sustainability. The institute has initiated and planted variety of plant species to encourage and enhance the Biodiversity aspect of the campus. Due the Green initiative adopted by the institute, the campus temperatures were reduced and contributes on the adverse impacts of Global warming. The Students are enabled to pursue their pharmacy higher education comfortably at Green Campus and eco-friendly study environment. Rainwater harvesting system was implemented to meet the needs for plantation.



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The solid waste will be collected from all the sources such as from Kitchen, bathrooms inside the canteen which includes papers, plastics, foods, metals, glass etc. and it will be segregated from source of generation. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block workers in each floor collect, clean, segregate and compile the waste in the dustbins provided at each floor. The floor dustbins are emptied in movable containers provided for each block and is taken to the dumping yard provided by the college. The college has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them at the landfills authorized by the government. For drinking, mineral water facility is arranged in every building of the campus. Wastage of drinking water is restricted through proper monitoring. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings of the campus. Awareness towards minimizing the wastage of water is spread at regular intervals among the students.

The college was located in 5.2 acres of land area. The three major pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO₂emission, energy and water use, while creating atmosphere where students can learn and be healthy.

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LAND USE ANALYSIS OF SCOP



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LAND USE ANALYSIS, SCOP

GENERAL OVERVIEW OF THE CONCEPT OF LAND USE

Land use refers to man's activities and the various uses which are carried on and derived from land. Viewing the earth from space, it is now very crucial in man's activities on natural resource. In situations of rapid changes in land use, observations of the Earth from space give the information of human activities and utilization of the landscape.

Remote sensing GIS techniques are now providing new tools for advanced land use mapping and planning. The collection of remotely sensed data facilitates the synoptic analyses of earth system, functions, patterning and change in the local, regional as well as at global scales over time. Satellite imagery particularly is a valuable tool for generating land use map.

METHODOLOGY ADOPTED FOR LAND USE MAPPING

Three types of data that are GPS points, field survey data and Google earth data for geo referencing have been used in this study.

DATA PROCESSING AND ANALYSIS

Land use map preparation is executed through the following steps:

Acquisition of data (latitude and longitudinal data) Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land usage have also been prepared.

Therefore, attempt has been made in this study to map land use for SCOP with a view to detect the land consumption in the built-up land area using both remote sensing and GIS techniques.



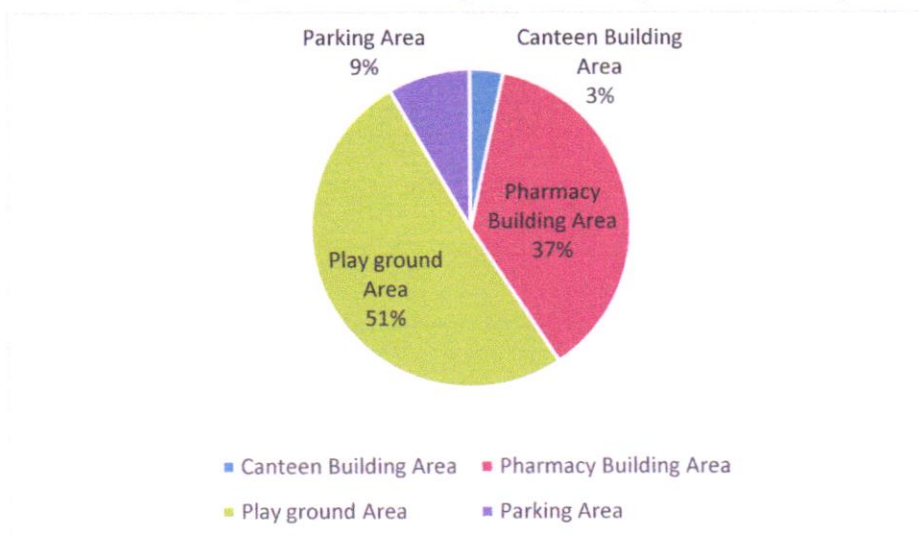
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LAND USE DATA OF SCOP, Ghatkesar

Canteen Building Area	AREA (sq.meter)
Administrative Area (Inside the Pharmacy Building)	500
Canteen Building Area	400
Pharmacy Building Area	4456
Play ground Area	6070.28
Parking Area	1000
Total Area	11,926.28

LAND USE ANALYSIS, Samskruti College of Pharmacy, Ghatkesar, Hyderabad



LAND USE (BUILT UP AREA) ANALYSIS

The built up area of 40 % (4865.0 m²) consists of the following regions as stated below for land consumption in built-up area for Samskruti College of Pharmacy.

FINDINGS

SCOP, which was established in the year 2006, has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance. Its land use is such that about 60% of the total area is occupied by open land and plantation that generates a better and sustainable campus environment.

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Area occupied by various buildings of SCOP

Instructional Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Measurements of room (in Sq.mts.)			
			Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	1	205	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	206	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	208	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	306	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	307	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	308	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	309	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	410	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	403	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	411	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	404	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	407	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	101	3.58	9.15	3.66	32.575
CANTEEN BUILDING	1	102	7.5	9.15	3.66	68.625
CANTEEN BUILDING	1	104	15.0	9.15	3.66	137.25
CANTEEN BUILDING	1	106	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	107	7.5	9.15	3.66	68.625

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Lab Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	0	102	7.21	9.15	3.66	66.02
SAMSKRUTI COLLEGE OF PHARMACY	0	106	7.39	9.15	3.66	67.795
SAMSKRUTI COLLEGE OF PHARMACY	0	107	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	0	108	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	0	109	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	1	201	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	202	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	203	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	204	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	210	1.79	9.15	3.66	16.37
SAMSKRUTI COLLEGE OF PHARMACY	2	301	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	2	305	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	2	310	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	401	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	402	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	406	18.83	9.15	3.66	172.32
SAMSKRUTI COLLEGE OF PHARMACY	3	408	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	409	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	412	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	413	7.5	9.15	3.66	68.5
CANTEEN BUILDING	1	105	7.5	9.15	3.66	68.5



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GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

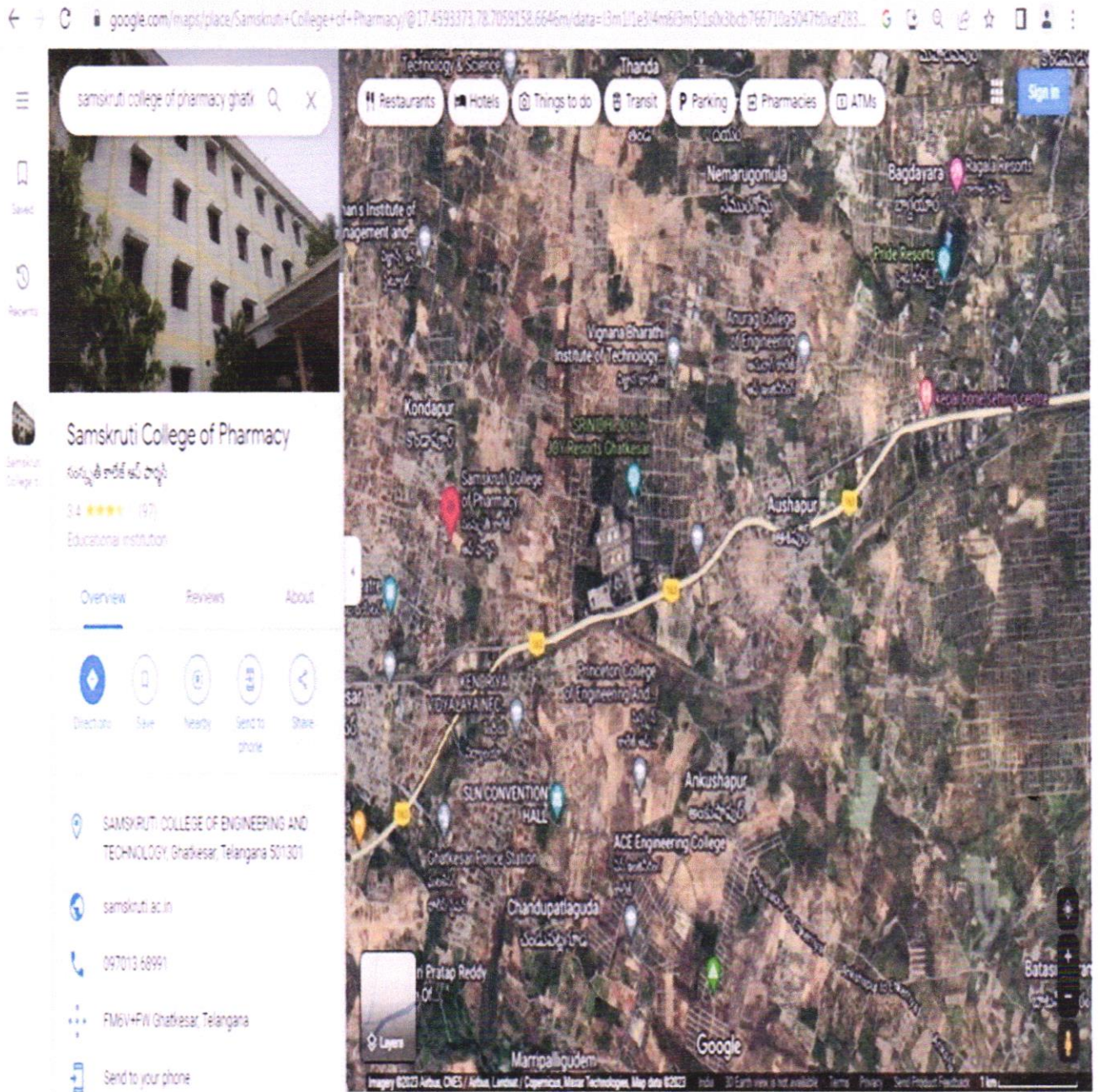


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GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

The college has a sprawling pollution-free campus spread over 5.2 acres of land very near to the Kondapur village, Ghatkesar Mandal of Medchal District.



Google Map of College Campus and Location map screen shot

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TREE DIVERSITY OF SCOP



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TREE DIVERSITY OF SCOP, Ghatkesar.

SCOP is within the geo-position between latitude N 17°27'42.69092" and longitude E78°41'40.9683" in SCOP, Telangana, India. It encompasses an area of about 30 Acres. The area is immense diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organized by the authority and have become an integral part of the college.

The trees of the college have increased the quality of life, in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. Many species of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favorite of birds and many insects.

Leaf covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colors. Even individual trees vary their appearance throughout the course of the year as the seasons change. The strength, long lifespan and regal stature of trees give them a monument – like quality They also remind us the glorious history of SCOP and our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day.

A thick belt of large shady trees in the periphery of the college have found be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire SCOP town and its surrounding areas.

“Green audit” is a principle introduced to make the educational institute environmentally sustainable. The purpose of the green audit is to ensure that the Green Policy is followed and implemented in the campus. Samskruti college of Pharmacy implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. As a part of such

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internal environmental audit (Green Audit) is conducted to evaluate the campus. A survey on trees and other greeneries within the campus was done by the students.

Green Audit Report, SCOP-2020

The following are the tree species with whom we are being attached:

S.No.	Common Name	Scientific Name	Number
1	Nalleru	Cissus quadrangularis	02
2	Kamanchi	Solanum Nigrum	03
3	Lemon grass	Cymbogon	02
4	Ranapala	Bryophillum pinnatum	01
5	Tulasi	Sciumu	05
6	Attipatti	Mlmosa pudica	07
7	Kanakambaram	Crossandrain fundibuliformis	04
8	Fiery Costus	Chamaecostus Cuspidatus	02
9	Cayenne jasmine	Catharanthus roseus	02
10	Guava	Pisidium guava	06
11	Anjeer	Ficus Carica	01
12	Parijata	Cestrum Nocturnum	02
13	Indian plum	Ziziphus mauritiana	06
14	Sago palm	Cycas	02
15	Jennifer	Aster ericoides	01
16	Pomegranate	Punica granatum	03
17	Aloevera	Aloe barbadensis	15
18	Sea hibiscus	Talipara	02
19	Vepachettu	Azadirachta indica	20
20	Nereduchettu	Syzygiumcumini (L.) Skeels	02
21	Coconut	Cocos nucifera	04
22	Christmas Tree	Araucaria columnaris	06
23	Oyster plant	tradiscantia	03
24	Badam	Terminalia catappa	07
25	Usirikaaya	Phyllanthus emblica	04
26	Kanuga	Millettia Pinnata	08
27	Mango	Mangifera indica	03
28	Marri chettu	Ficus benghalensis	02
29	Raavi chettu	Ficus religiosa	04
30	Seethaphalam	Annona reticulata	02
31	Pala chettu	Alstonias cholaris	04
32	Sapota	Manilkara zapota	04
33	Drumstick	Moringa oleifera	02

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Green Audit Report, SCOP-2020

34	Henna Tree	Lawsonia inermis	03
35	Oyster plant	Tradescantia	03
36	Blue flowered rattle pod	Crotalaria vessucosa L	03
37	Orchid plant	Cymbidium orchid	01
38	Lane puwak	Areca concinna	02
39	Peacock flower	Caesalpinia pulcherrima	07
40	Lantana camera flowers	Lantana camera	05
41	Parthenium (santa maria fever few)	Parthenium hysterophorus	18
42	Orchidtree (kanchon)	Bauhinia variegata	04
43	Sickle pod	Senna obtusifolia	06
44	Achar / chironji tree seeds	Buchanania lanzan	01
45	Vampadan climbing shrub	Ventilago madeaspatana	03
46	Lebeck tree	Langil	05
47	Indian cork tree	Millingtonia hortensis linn.F	06
48	Veld grape	Cissus quadrangularis	02
49	Cheese wood	Pittosporum tobira	06
50	Paper flower	Bougainvillea glabra	04
51	nilgiri	Eucalyptus globulus	05
52	Crown of thorns	Euphorbia millivar	12
53	Papaya	Carica papaya	02
54	Fire cracker flower	Crossandra fundibuliformis	02
55	Chamanthi	crysanthemum	02
56	Ixora coccinea	Rubiaceae	02
57	Jasminum cuspidatum	Oleaceae	03
58	Lawsonia inermis	Lythraceae	03
59	Mangifera indica	Anacardiaceae	03
60	Screw pine	Pandanus veitchii	04
61	Lancepod	Lonchocarpus costaricensis	03
62	Earpod tree	Enterolobium cyclocarpum	20
63	Nonny cypress	Cypripedium and macrocarpa	06
64	Weeping fig	Ficus bengalensis	07
65	Coat buttons	Tridax procumbens	06
66	Indian pulai	Alstonia scholaris	01
67	Trumpet tree	Tabebuia rosea	03
68	Island tree	Syzygium australe	02

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Green Audit Report, SCOP-2020

69	Oyster	Tradescantia spathacea	01
70	Good luck plant	Cordiyline fruticosa	01
71	Pergularia	Pergularia tomentosa	01
72	Cape honey suckle	Tecomaria capensis	05
73	Madagascar periwinkle	Catharanthus roseus	02
74	Phoenix Dactylifera	Areaceae	02



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Plantation Photo



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Green Audit Report, SCOP-2020



A green handwritten signature.

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Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Main Entrance – Samskruti Group of Institutions



College Building – Samskruti College of Pharmacy



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Cafeteria – Samskruti College of Pharmacy



Canteen – Samskruti College of Pharmacy



Principal

Samskruti College of Pharmacy
Kondapur(V), Chatkesar(M),
H. No. 10, D. No. 1, PIN-501001

Play Ground – Samskruti College of Pharmacy



Basket ball court – Samskruti College Of Pharmacy



A handwritten signature in green ink, consisting of stylized, overlapping loops and lines.

Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medakal Dist. PIN-501301

Volleyball court – Samskruti College Of Pharmacy



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

FAUNAL DIVERSITY IN SCOP



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

FAUNAL DIVERSITY IN SCOP

SCOP is located in District of Medchal, Telangana India. The highest temperature is recorded 42⁰ C just prior to the onset of monsoon (around May- early June). Summer rain is normal, and is principally caused from late June to August by the moisture-laden South- West Monsoon, on striking the Himalayan foothills of the north. The climatic condition of the SCOP district as a whole and SCOP in particular is very suitable for a wide variety of flora and fauna to support its rich biodiversity. The faunal Diversity of SCOP campus has been studied and documented as below:

S.No	CommonName	ScientificName
1.	Common Myna	Acridotheres Tristis
2.	House Sparrow	Passer Domesticus
3.	House Crow	Corvus Splendens
4.	Cuckoo	Cuculidae
5.	Snake	Naja Naja
6.	Yellow Wasp	Ropalidia Marginata
7.	Butter Fly	Danaus Genutia
8.	Honey bees	Apis
9.	Common Wood shrike	Tephrodornis Pondicerianus
10.	Pied Myna	Gracupica Contra
11.	Red-Vented Bulbul	Pycnonotus Cafer
12.	Skylark	Aluda Gulgula
13.	Garden Tiger Moth	Arctia Caja
14.	Little Owl	Athene Brama
15.	Oleander Moth	Syntomeida Epilais
16.	Slender Skimmer	Orthetrum Sabina
17.	Lizard	Indian Garden Lizard
18.	peacocks	Pavo cristatus
19.	Grass Hopper	Orthoptera
20.	Squirrel	Sciuridae
21.	Scarab Beetle	Coleoptera
22.	Lizard	Lacertilia
23.	Pigeon	Columbidae
24.	Parrots	Indian Rose Ringed Parakeet

Principal

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Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**



Handwritten signature in green ink.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Trees and Plants- Samskruti College Of Pharmacy



A handwritten signature in green ink, appearing to be the name of the Principal.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**



A handwritten signature in green ink, appearing to be "R. S. K.", written over a circular stamp.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medakal Dist. PIN-501301**

FLORAL DIVERSITY OF SCOP



Principal
Samskruti College of Pharmacy
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Medchal Dist. PIN-501301

FLORAL DIVERSITY IN SCOP



Handwritten signature in green ink.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

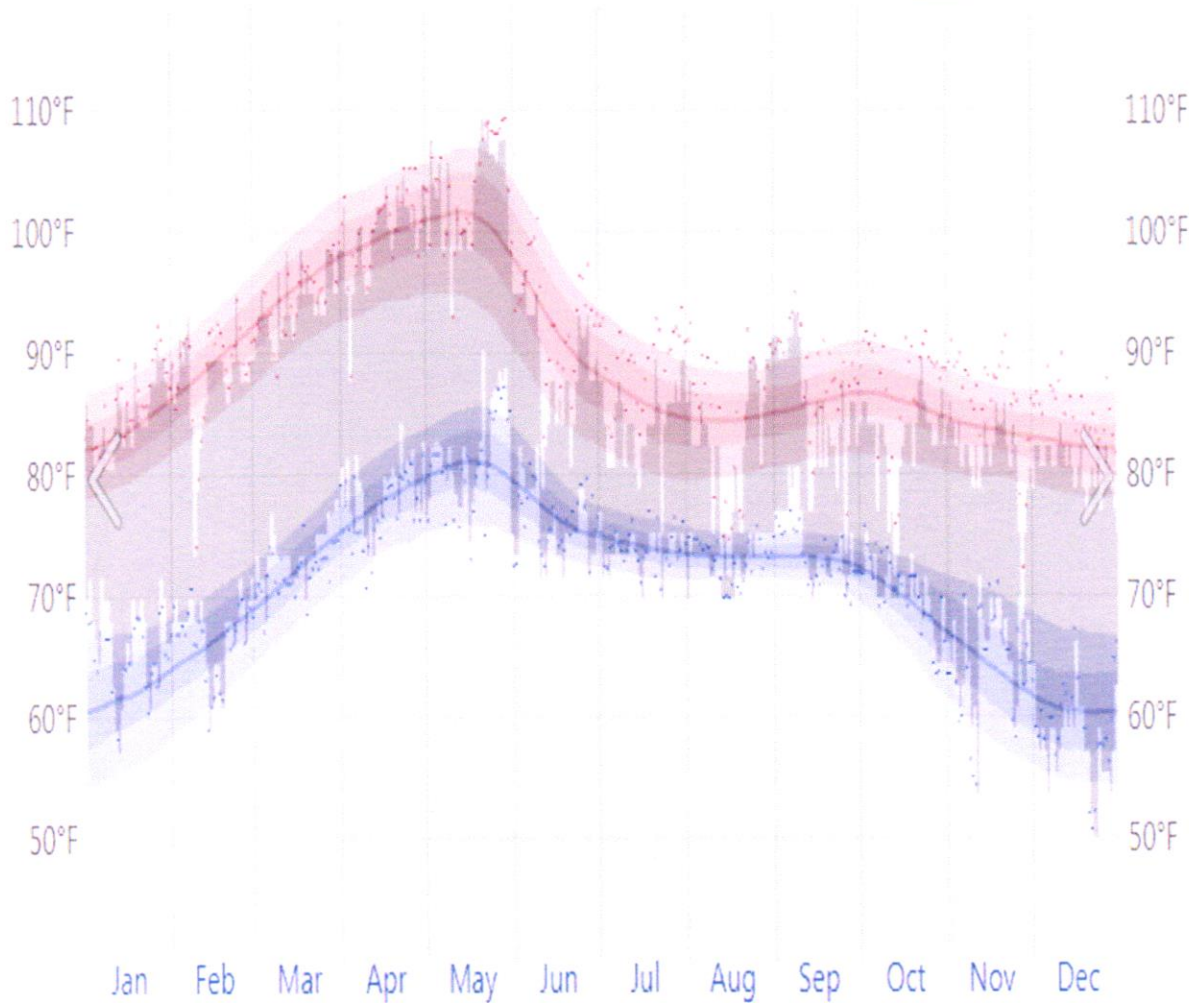
WEATHER DATA OF SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Weather Data – 2020

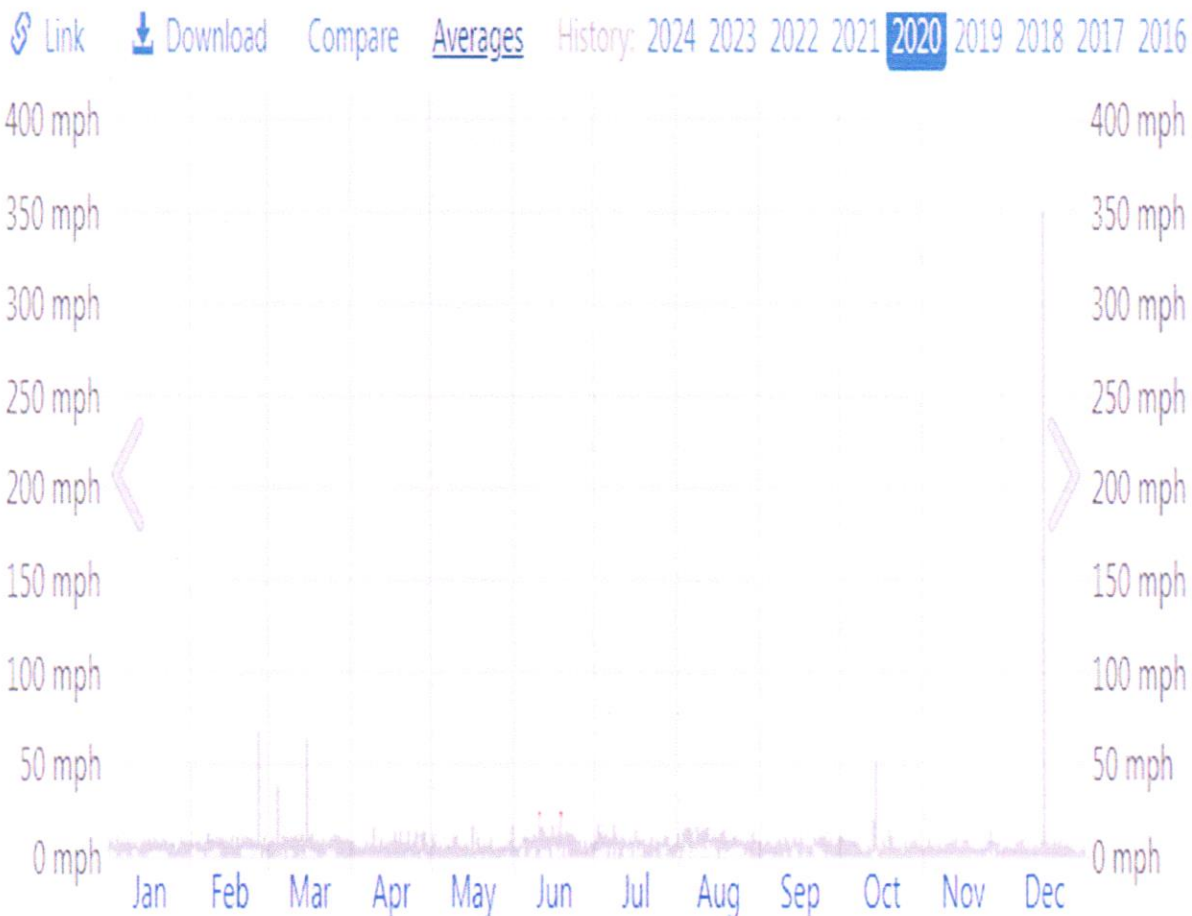
[Link](#) [Download](#) [Compare](#) [Averages](#) [History: 2024 2023 2022 2021 2020 2019 2018 2017 2016](#)



The daily range of reported temperatures (gray bars) and 24-hour highs (red ticks) and lows (blue ticks), placed over the daily average high (faint red line) and low (faint blue line) temperature, with 25th to 75th and 10th to 90th percentile bands.

Temperature at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

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Samskruti College of Pharmacy
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Medchal Dist. PIN-501301



The daily range of reported wind speeds (gray bars), with maximum gust speeds (red ticks).

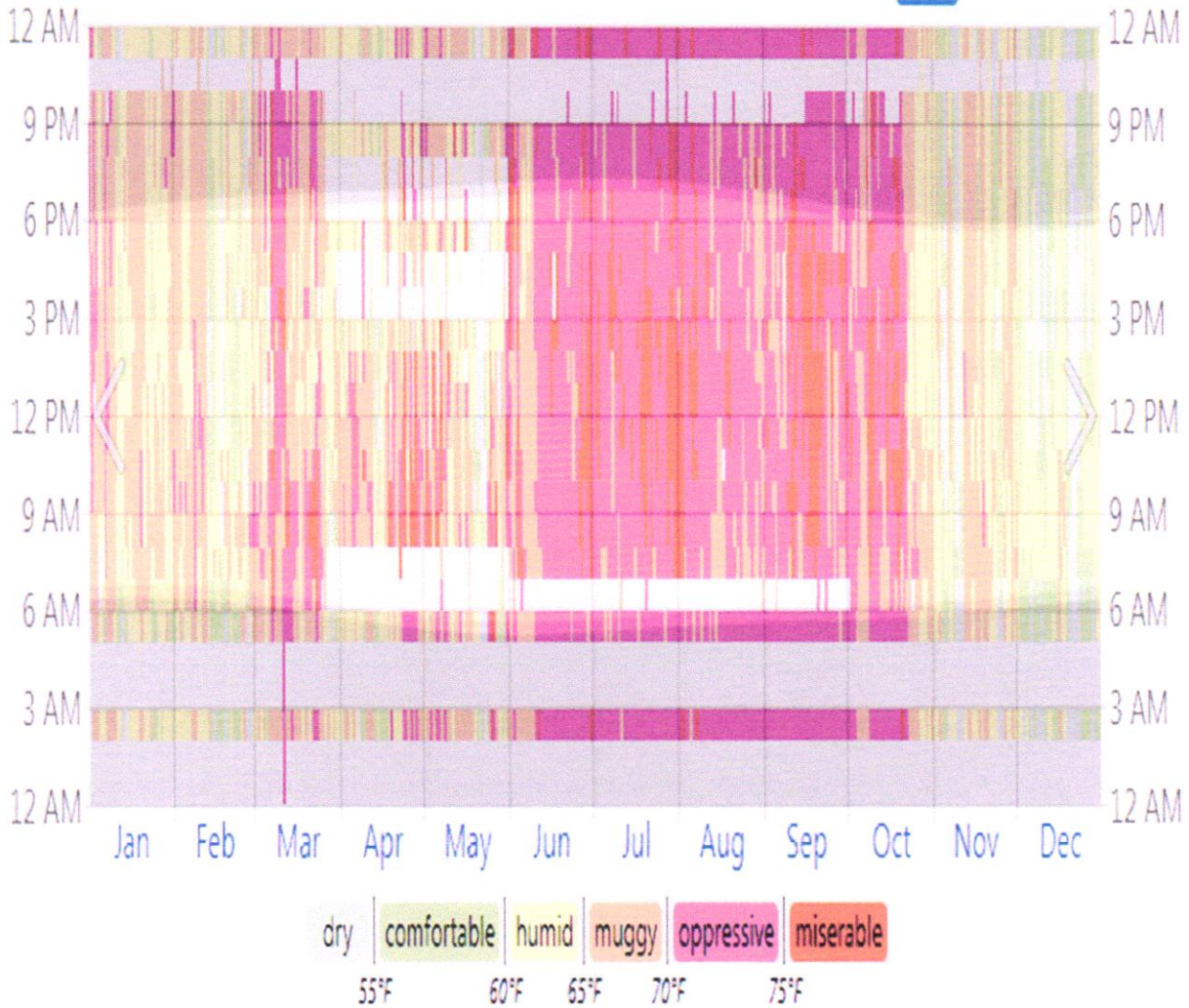
Wind Speed at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Green Audit Report, SCOP-2020

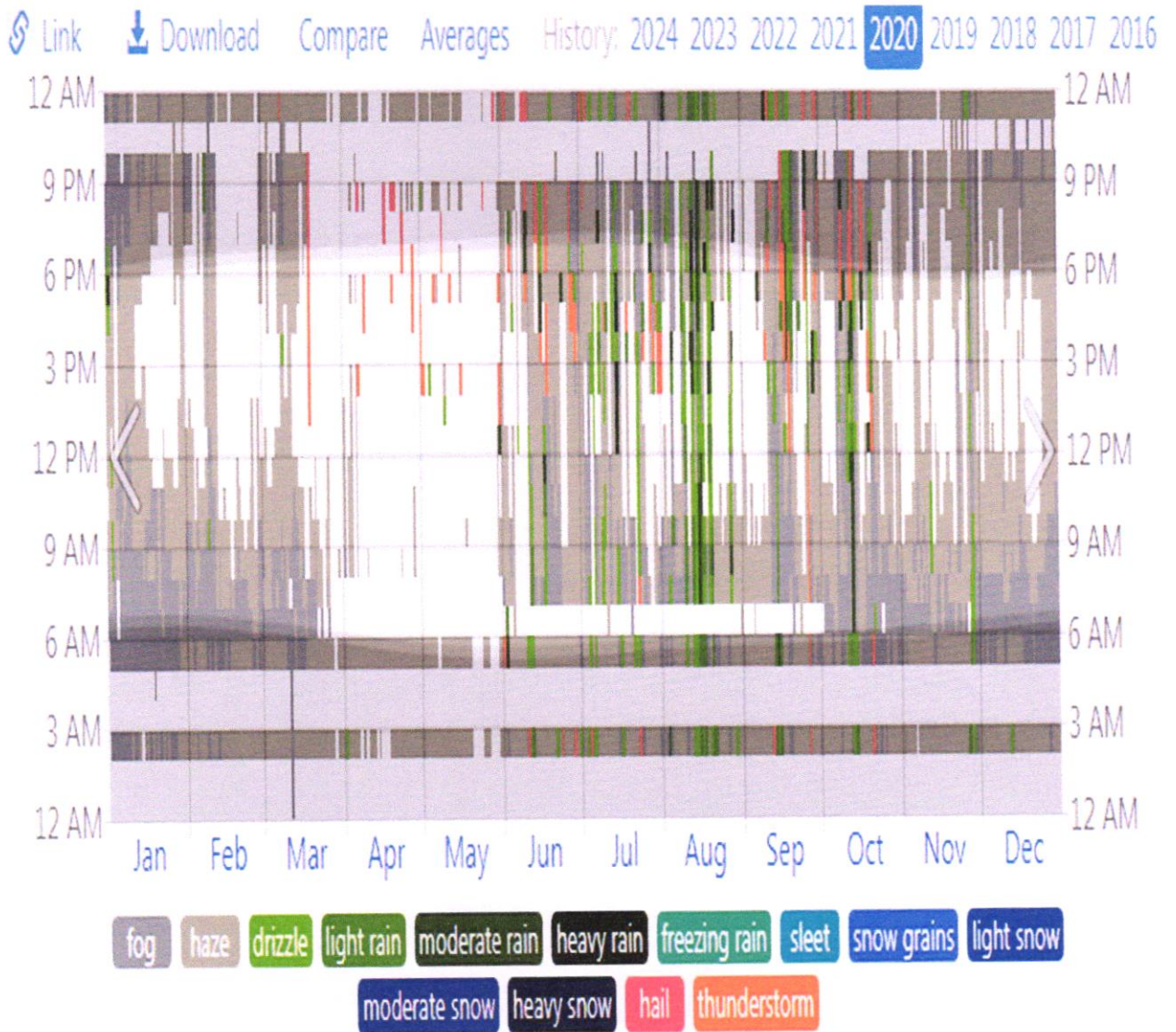
Link Download Compare Averages History: 2024 2023 2022 2021 **2020** 2019 2018 2017 2016



The hourly reported humidity comfort level, categorized by dew point. The shaded overlays indicate night and civil twilight.

Humidity at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

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The hourly observed weather, color coded by category (in order of severity). If multiple reports are present, the most severe code is shown.

Rainfall at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

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AIR QUALITY OF SCOP




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Medchal Dist. PIN-501301

SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR(V), GHATKESAR.
AIR QUALITY ANALYSIS DETAILS AT SCOP CAMPUS

Date of Report	09.24.2020
Sample collected by	B.Pharm Final Year Students
Sample collection Date	09.19.2020
Sample Description/Code	AIR QUALITY ANALYSIS

S.NO	NAME OF THE PARAMETER	TEST RESULTS				NAAQS LIMITS	TEST METHOD
		COLLEGE MAIN ENTRANCE	ADMIN BUILDING	CANTEEN AREA	SPORTS GROUND		
1	Particulate Matter (PM10)	61.6	52.7	52	75	100	IS 5182- Part- 23 (2012) CPCB Manual (NAAQMS 56 2012-13) Gravimetric method (Cyclonic Flow technique)
2	Particulate Matter (PM2.5)	20.5	15.5	15.5	25	60	IS 5182- Part- 2 (2012)
3	Sulphur dioxide as SO ₂ (µg/m ³)	0	0	0	0	80	IS 5182- Part- 6 (2012)
4	Nitrogen dioxide as NO ₂ (µg/m ³)	0	0	0	0	80	IS 5182- Part- 6 (2012)

Checked by

 Shiva Srikrishna, Asst. Prof.

Authorized Signatory

 Dr. V. Ravi Kumar, Prof.


Principal

NOISE LEVEL IN THE SURROUNDING OF SCOP




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Medikal Dist. PIN-501301


Green Audit Report, SCOP-2020

SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR (V), GHATKESAR.
NOISE LEVEL MEASUREMENT DETAILS AT SCOP CAMPUS

Date of Report	09.24.2020
Sample collected by	B.Pharm final year students
Sample collected date	09.19.2020
Sample description	Noise level measurements

S.NO	SAMPLING LOCATION	MEASUREMENT (DURATION IN SECS)	MINIMUM (DBA)	MAXIMUM (DBA)	AVERAGE (DBA)
1	College main out gate	60	41.5	73.5	57.6
2	Parking area	60	43	60.3	51.66
3	Administrative block	60	40.3	71.4	55.84
4	Canteen	60	48.7	66.9	56.7
5	Main block	60	48	74	62
6	Ladies hostel	60	46	68	57
7	Sports ground	60	50.5	75.6	63.06
8	College main in gate	60	52	72	62


Checked by
Shiva Srikrishna, Asst. Prof.


Authorized Signatory
Dr. V. Ravi Kumar, Prof.



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Samskruti College of Pharmacy
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Medchal Dist. PIN-501301

WATER ANALYSIS REPORT OF SCOP

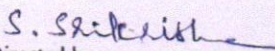



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Medchal Dist. PIN-501301

Green Audit Report, SCOP-2020

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.			
<u>Water Consumption Details at SCOP Campus</u>			
Month	Consumption Details for 2017-18 (Liters in Lakhs)	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)
January	2.3	2.0	2.5
February	2.1	2.3	2.0
March	2.2	2.0	2.2
April	2.0	2.5	2.3
May	2.3	2.2	2.0
Jun	2.4	2.1	2.2
July	2.3	2.5	2.0
August	2.5	2.3	2.3
September	2.4	2.2	2.1
October	2.0	2.1	2.4
November	2.1	2.0	2.2
December	2.2	2.0	2.1

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.			
<u>Water Collection Details at SCOP Campus</u>			
Month	Collection Details for 2017-18 (Liters in Lakhs)	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)
January	2.7	2.7	2.6
February	2.6	2.5	2.5
March	2.5	2.6	2.6
April	2.8	2.7	3
May	2.7	2.5	2.5
June	2.8	2.7	2.7
July	2.9	2.9	2.5
August	2.6	3	2.7
September	2.7	2.8	2.6
October	2.6	2.9	2.8
November	2.8	2.6	2.8
December	2.9	2.7	2.9


Directed by
Shiva Srikrishna, Asst. prof.


Authorized Signatory
Dr. V. Ravi Kumar, Prof.



Principal

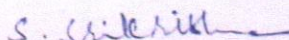
**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medical Dist. PIN-501301**


Green Audit Report, SCOP-2020

SANSKRUTI COLLEGE OF PHARMACY, KONDAPUR (V), GHATKESAR.
BORE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.24.2020
Sample collected by	B.Pharm final year students
Sample collection Date	09.19.2020
Sample Description /Code	Bore Water

S.NO	Parameter	Unit	Method	Result	IS 10500 limits	
					Acceptable	Permissible
1	pH		APHA 23 RD EDITION, 4500 H+B	6.72	65.65	No Relaxation
2	Turbidity	NTU	APHA 23 RD EDITION, 2130 B	2	2	2
3	Conductivity	μMho/cm	APHA 23 RD EDITION, 2510 B	3054		
4	Total dissolved Solids	mg/L	APHA 23 RD EDITION, 2540 B	1985	500	2000
5	Colour	CU	APHA 23 RD EDITION, 2120 B	<5	5	15
6	Odor			Agreeable	Agreeable	Agreeable
7	P.Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	<5		
8	Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	450	200	600
9	Total Hardness as CaCO ₃	mg/L	APHA 23 RD EDITION, 2340 B	542	200	600
10	Calcium as Ca	mg/L	APHA 23 RD EDITION, 3500 B	110	75	200
11	Magnesium as Mg	mg/L	APHA 23 RD EDITION, 3500 B	14	55	100
12	Sodium as Na	mg/L	APHA 23 RD EDITION, 3500 B	321		
13	Potassium as K	mg/L	APHA 23 RD EDITION, 3500 B	191		
14	Chloride as Cl	mg/L	APHA 23 RD EDITION, 4500 B	10.2	250	400
15	Sulphates as SO ₄ ²⁻	mg/L	APHA 23 RD EDITION, 4500 B	0.8	200	No Relaxation
16	Nitrate Nitrogen as N	mg/L	APHA 23 RD EDITION, 4500 B	<0.3	45	2.5
17	Fluorides as F	mg/L	APHA 23 RD EDITION, 2500 B	<0.1	1	No Relaxation
18	Iron as Fe	mg/L	APHA 23 RD EDITION, 3500 B	<0.001	0.3	0.3
19	Manganese as Mn	mg/L	APHA 23 RD EDITION, 5530 B	<0.01	0.1	0.002
20	Phenols Compounds	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.001	No Relaxation
21	Cromium as Cr ⁶⁺	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.05	3
22	Residual Chlorine as CL	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.2	No Relaxation
23	Total cyanide	mg/L	APHA 23 RD EDITION, 3111 B	<0.01	0.005	1.5
24	Copper as Cu	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.005	No Relaxation
25	Cadmium as Cd	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.003	1.5
26	Zinc as Zn	mg/L	APHA 23 RD EDITION, 3111B	<0.5	5	No Relaxation
27	Lead as Pb	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.01	400


Directed by
Shiva Srikrishna, Asst.prof.


Authorized Signatory
Dr. V. Ravi Kumar, Prof.




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Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301


Green Audit Report, SCOP-2020

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR(V), GHATKESAR.
WASTE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.24.2020
Sample collected by	B.Pharm Final Year Students
Sample collected Date	09.19.2020
Sample Description/Code	Waste Water

S.NO	Parameter	Method	Unit	Result
1	Ph	APHA 23 RD Edition 4500 H + B		7.20
2	Total Dissolved Solids	APHA 23 RD Edition 2504 C	mg/l	706
3	Total Suspended solids	APHA 23 RD Edition 2504 D	mg/l	72
4	Chemical Oxygen Demand as COD	APHA 23 RD Edition 5220 B	mg/l	61
5	Biological Oxygen Demand as BOD	IS : 3025(Part-44) : 2009	mg/l	21
6	Oil & Grease	APHA 23 RD Edition 5520 B	mg/l	<7


Checked by
Shiva Srikrishna, Asst. Prof.


Authorized Signatory
Dr. V. Ravi Kumar, Prof.



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Common Water tank



Water harvesting Pit



Water Conservation facilities available in the Institution

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Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.

Water Consumption Details at SCOP Campus

Month	Consumption Details for 2016-17 (Liters in Lakhs)	Consumption Details for 2017-18 (Liters in Lakhs)	Consumption Details for 2018-19 (Liters in Lakhs)	Consumption Details for 2019-20 (Liters in Lakhs)
January	2.1	2.3	2.0	2.5
February	2.4	2.1	2.3	2.0
March	2.1	2.2	2.0	2.2
April	2.5	2.0	2.5	2.3
May	2.2	2.3	2.2	2.0
Jun	2.1	2.4	2.1	2.2
July	2.5	2.3	2.5	2.0
August	2.3	2.5	2.3	2.3
September	2.2	2.4	2.2	2.1
October	2.1	2.0	2.1	2.4
November	2.1	2.1	2.0	2.2
December	2.1	2.2	2.0	2.1

Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.

Water Collection Details at SCOP Campus

Month	Collection Details for 2016-17 (Liters in Lakhs)	Collection Details for 2017-18 (Liters in Lakhs)	Collection Details for 2018-19 (Liters in Lakhs)	Collection Details for 2019-20 (Liters in Lakhs)
January	2.7	2.7	2.7	2.7
February	2.7	2.6	2.5	2.6
March	2.5	2.5	2.6	2.5
April	2.7	2.8	2.7	2.8
May	2.6	2.7	2.5	2.7
June	2.7	2.8	2.7	2.8
July	2.8	2.9	2.9	2.9
August	2.5	2.6	3	2.6
September	2.8	2.7	2.8	2.7
October	2.7	2.6	2.9	2.6
November	2.6	2.8	2.6	2.8
December	2.8	2.9	2.7	2.9



Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

WASTE DISPOSAL AT SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Waste Management

Solid waste management:

Solid waste is collected from class rooms and labs every morning by housekeeping staff in separate containers and assembled at the waste yard marked as compost pit at extreme end of the campus. Here the dry waste including paper/plastics etc. is segregated and sent in vans to recyclable joints and/or Municipal Corporation dump yard. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items. Many of our students are encouraged for making best from waste items by using plastic bottles etc. In our college campus NO PLASTIC sign boards and flexes are available to encourage students and staff not to use plastic item. On behalf of July 3, 2021 an International “NO PLASTIC” day, the students of Samskruti College of Pharmacy performs awareness programs.



The solid waste generated in the campus includes wrappers, glass, metals, paper, plastics, etc. Old newspapers, used papers, workshop scrap etc. are picked up by Ghatkesar municipality and moved to dump yard for recycling or other purpose. Glass, metals, plastic and other non-biodegradable wastes are given to Ghatkesar Municipality Corporation where they are segregated and disposed/ recycled according to the nature of the waste.

College adopts almost paperless concept by digitization of office procedures through electronic means via whatsApp groups, emails etc. thus, reducing paper-based waste and reduce carbon dioxide emissions. Some announcements were made using whatsApp groups to the students. Power Point presentations are also shared to student’s whatsApp groups by the faculty members to reduce the wastage in paper printing as well as expenses. Use of paper printed on one side is encouraged in print drafts before final document, meeting minutes, memos and notes in office practices as environmentally preferred alternative to waste management. Biodegradable kitchen waste from mess and cafeteria is collected in separate bins. Horticultural waste such as dried leaves, twigs and plant clippings are collected from all around the campus and used for bin composting. Dustbins have been installed throughout campus for waste segregation.

Principal

Green Audit Report, SCOP-2020

Students are encouraged to use waste paper and newspaper in creative practices during various extracurricular activities.

Reducing Plastic Usage: Now a days the usage of plastic has increased, which is a great problem to the environment as it takes hundreds of years for the waste plastic to decompose. Though govt. has planned to stop the usage of plastic bags the implementation of the same has become a major challenge for the government as there is very little awareness on the problems of plastic usage in general public. So, it is our duty to reduce the usage of plastic by spreading awareness on the problems associated with plastic use. Thus, our students have took up this as challenge and started an awareness program to reduce the plastic usage. Under this activity we visited some of the streets and made people aware of how we are damaging environment by usage of plastic items.

Liquid Waste Management:

Liquid waste is generated from Science laboratories and canteen. Liquid wastes generated are of two types:

- Sewage Waste
- Laboratory and canteen effluent.

The liquid wastes are mainly drained to improve the ground level of water.

Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Lab In-charge and lab-assistant takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals. The chemicals are wisely utilized for the batches of students in morning and afternoon under the guidance of faculty. Water for washing and rinsing of glassware for cleaning is done with regular water in low amounts. The Chemicals used in the experiments are diluted and after usage the chemical waste gets mixed with routine waste water.

E-waste management:

Electronic goods are put to optimum use; the minor repairs are set right by the laboratory assistants and the major repairs are handled by the support of technical assistants. The equipment which cannot be refurbished for re-use is dismantled and labelled as e-waste. Input devices like keyboards which are of no use are utilized by students for their typing practice and teaching in a very basic level. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non-hazardous items are used by students for scrap art in extra-curricular activities.

Principal

Sanskriti College of Pharmacy

Kondapur(V), Chalkasa(M)

Medchal Dist. PIN-501301

Any other relevant information:
The institution conducts academic exhibition annually in the event of annual fest where the participants from other colleges are invited. As a part of annual fest and some other programs this, the students of the institution makes exhibits by using solid waste like papers, water

Green Audit Report, SCOP-2020

bottles, iron pieces, rubbers and other e – waste like tube lights, bulbs, etc.

Also the institution held various events like scrap art, face painting etc. on the eve of National Pharmacy week celebrations.



Principal

**Samskruti College of Pharmacy
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Medchal Dist. PIN-501301**

TRANSPORTATION



Principal

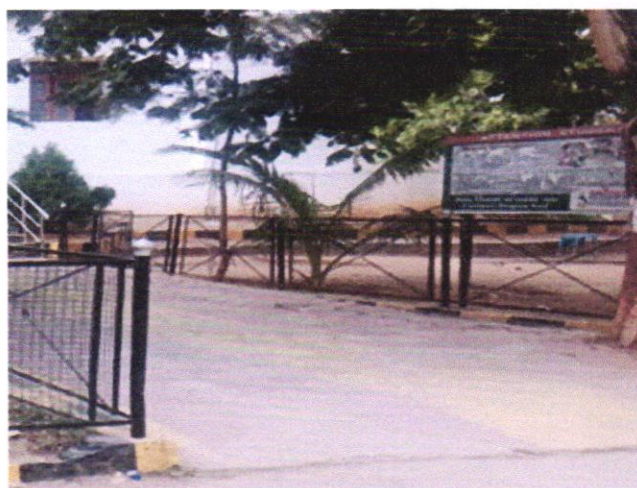
**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**



College bus Parking Place at SCOP



First Aid Box in the College Bus



Two wheeler parking and Pedestrian friendly pathways at SCOP

A handwritten signature in green ink, appearing to be 'Princip', is written over the text.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medikal Dist. PIN-501301**



Pedestrian friendly pathways at SCOP



Car Parking Place at SCOP

A handwritten signature in green ink, likely of the Principal, is written over the printed name.

Principal
Samskruti College of Pharmacy
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Medchal Dist. PIN-501201



Bicycle Parking at SCOP

Principal
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ELECTRICAL ENERGY CONSUMPTION AT SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Dist. Nalgonda, PIN-501201

Green Audit Report, SCOP - 2020

ELECTRICAL CONSUMPTION OF SCOP (2016-2020)						
S.NO	Month	2016	2017	2018	2019	2020
1	January	8300	8,440	5,809	8,406	9,499
2	February	10380	9,680	14,677	10,863	11,551
3	March	12880	12,280	12,819	13,122	12,960
4	April	14320	14,140	11,478	16,546	7,917
5	May	11580	10,850	11,699	15,897	5,812
6	June	10680	9,150	14,263	11,850	5,648
7	July	11980	6,201	12,879	16,366	7,108
8	August	10942	10,468	15,899	15,805	7,062
9	September	10398	9,214	18,005	16,368	6,054
10	October	8012	9,160	12,253	11,170	7,651
11	November	9508	8,797	13,306	12,395	9,277
12	December	8940	9,285	11,950	12,326	8,398
Total (Kwh)		127,920	117,665	155,037	161,114	98,937



Principal

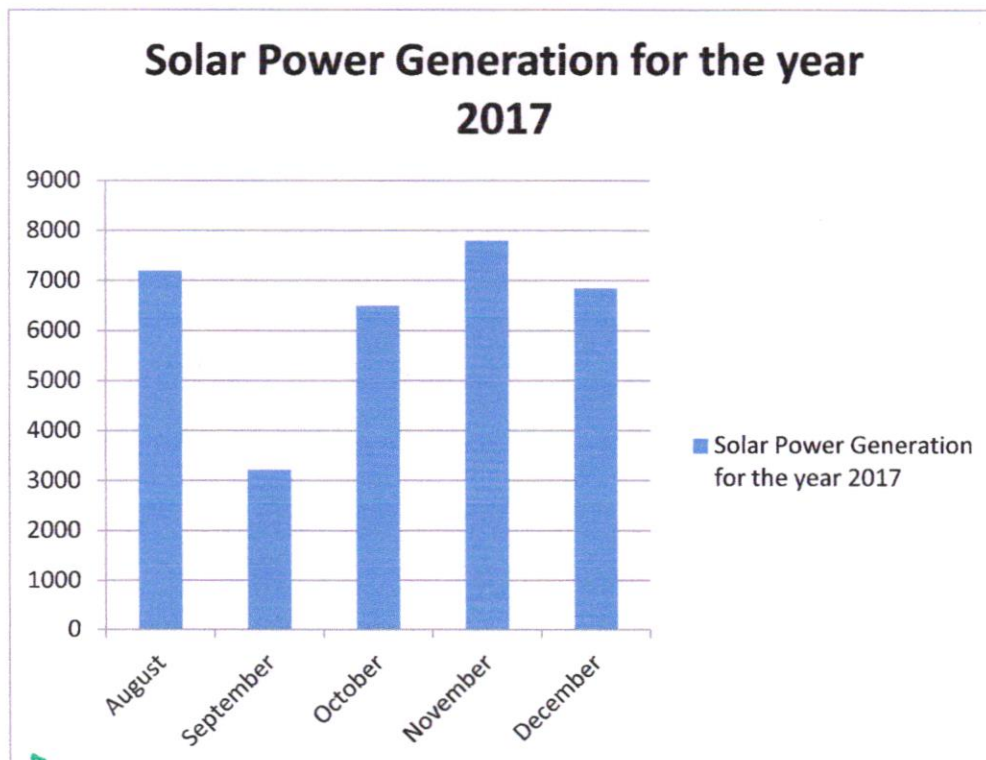
**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

SOLAR ENERGY GENERATION IN SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

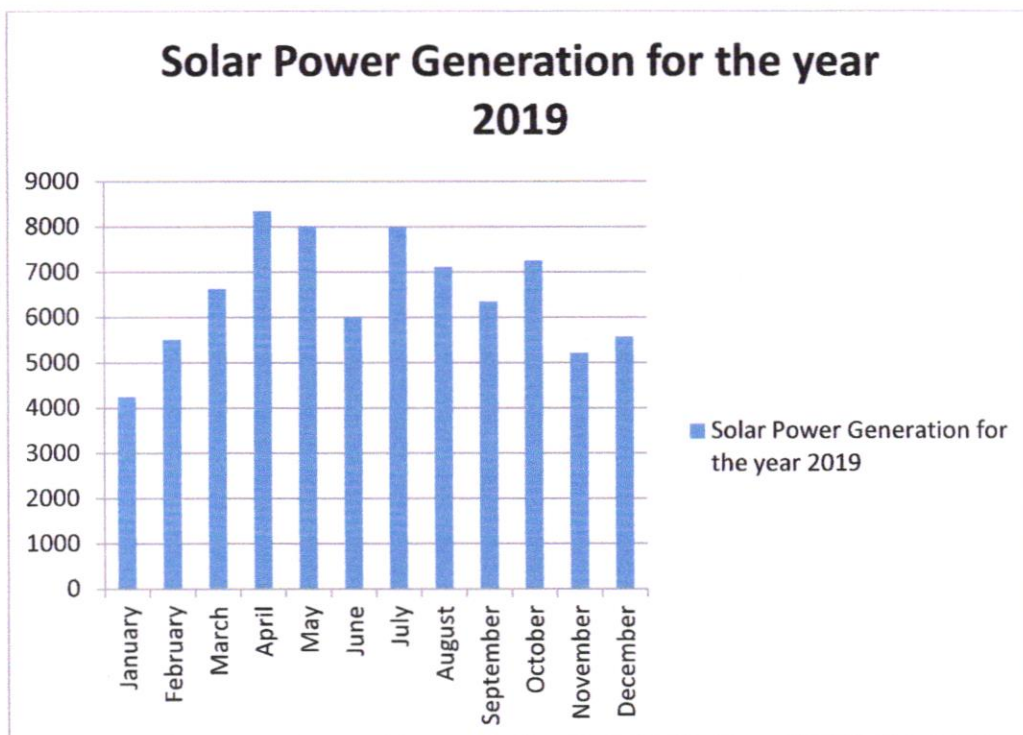
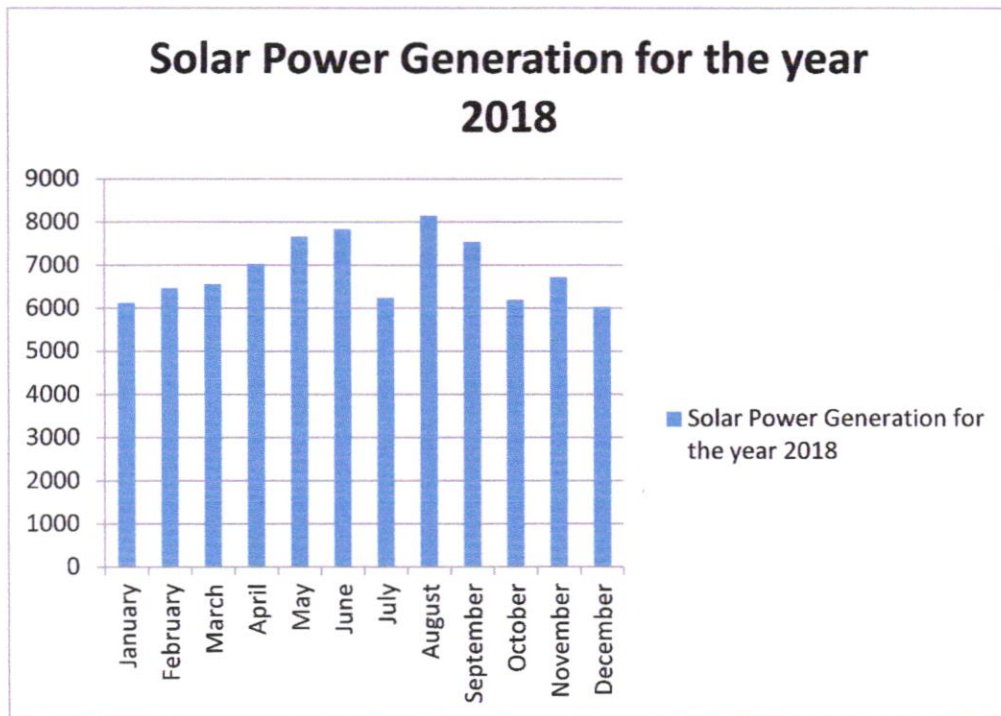
Solar Generation in units (KWh)					
S.NO	Month	2017	2018	2019	2020
1	January	Nil	6128	4248	4504
2	February	Nil	6472	5512	5768
3	March	Nil	6562	6636	6892
4	April	Nil	7035	8348	8006
5	May	Nil	7671	8018	8270
6	June	Nil	7837	6007	6259
7	July	Nil	6245	8004	7425
8	August	7200	8154	7118	7342
9	September	3220	7543	6352	6576
10	October	6500	6196	7255	7479
11	November	7800	6726	5214	5438
12	December	6843	6036	5573	5797
Total (Kwh)		31,563	82,605	78,285	79,756



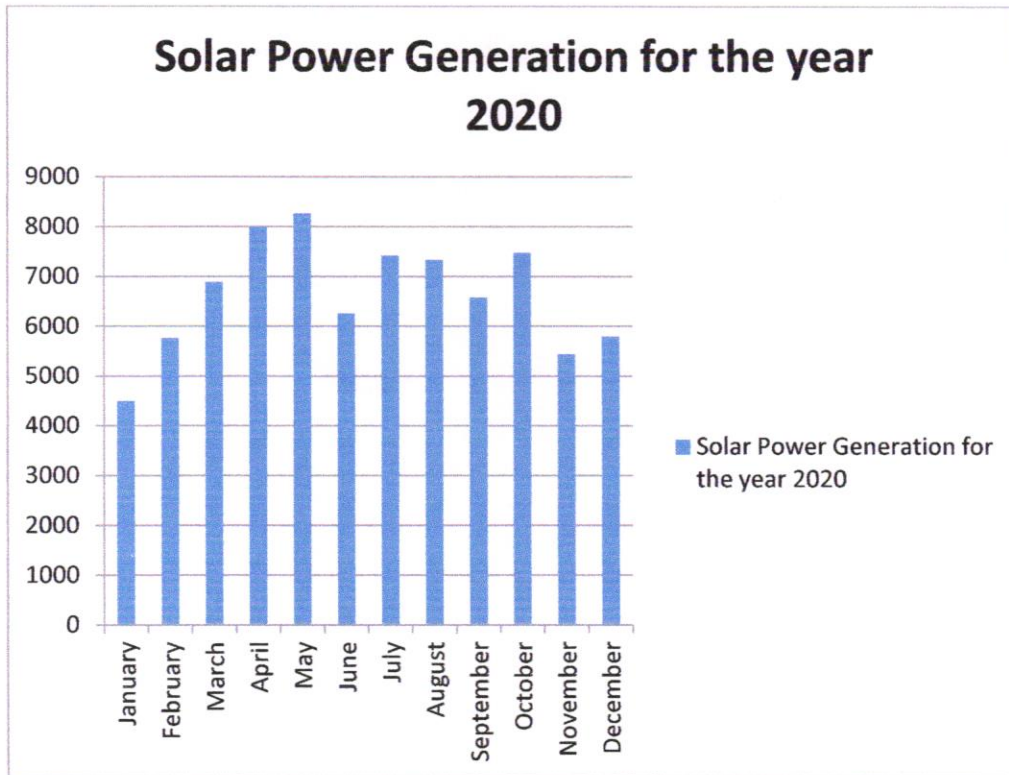
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Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**



Principal
Samskruti College of Pharmacy
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Medchal Dist. PIN-501301



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medak Dist. PIN-501301

ENERGY CONSUMPTION AND EXPORT



Principal

**Sanskriti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2017

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	NIL	NIL	NIL	8440	8440
2	February	NIL	NIL	NIL	9680	9680
3	March	NIL	NIL	NIL	12280	12280
4	April	NIL	NIL	NIL	14140	14140
5	May	NIL	NIL	NIL	10850	10850
6	June	NIL	NIL	NIL	9150	9150
1	July	NIL	NIL	NIL	6201	6201
2	August	7200	2156	5044	5424	10468
3	September	3220	1527	1693	7521	9214
4	October	6500	2355	4145	5015	9160
5	November	7800	2636	5164	3633	8797
6	December	6843	1865	4978	4307	9285
Total (KWh)		31563	10539	21024	96641	117665

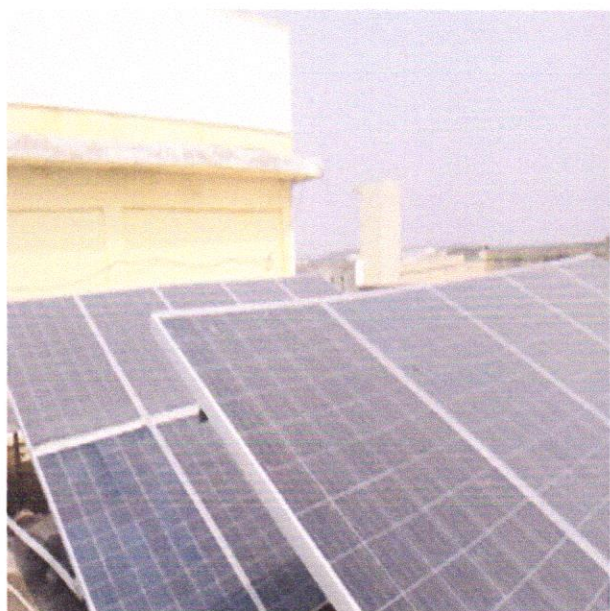
Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2018

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	6128	2992	3136	2673	5809
2	February	6472	1171	5301	9376	14677
3	March	6562	1132	5430	7389	12819
4	April	7035	1516	5519	5959	11478
5	May	7671	1462	6209	5490	11699
6	June	7837	1162	6675	7588	14263
7	July	6245	695	5550	7329	12879
8	August	8154	851	7303	8596	15899
9	September	7543	781	6762	11243	18005
10	October	6196	2084	4112	8141	12253
11	November	6726	1272	5454	7852	13306
12	December	6036	1054	4982	6968	11950
Total (KWh)		82012	16172	66433	88604	155037

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Samskruti College of Pharmacy

Kondapur(V), Chhatkesar(Mr,

Medical Dist. PIN-501301



Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2019

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4248	2151	2097	6309	8406
2	February	5512	1305	4207	6656	10863
3	March	6636	923	5713	7409	13122
4	April	8348	1401	6947	9599	16546
5	May	8018	1002	7016	8881	15897
6	June	6007	1199	4808	7042	11850
7	July	8004	321	7683	8683	16366
8	August	7118	738	6380	9425	15805
9	September	6352	701	5651	10717	16368
10	October	7255	1713	5542	5628	11170
11	November	5214	621	4593	7802	12395
12	December	5573	720	4853	7473	12326
Total (KWh)		78285	12795	65490	95624	161114

In addition to making Environmental Studies a very vital subject in our syllabus, SCOP has gone a step further by putting that theory into practice. The energy from this solar installation is helping offset the institute's daytime peak electricity demand from the grid. SCOP with the installation of 64KWp solar rooftop plant and was able to offset 50% of its energy usage

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carbon footprint.

Green Audit Report, SCOP - 2020

The rise in global temperatures year after year poses an existential threat to the planet. The global leaders and the United Nations (UN) have been showing great concerns in various summits and conferences about measures, international laws and agreements to sustainable development and environmental conservation. No wonder, ignorance of this may result in fatal natural disasters, economic bottlenecks resulting in endangered inhabitation. The management and the administration of Samskruti College of Pharmacy in pursuance of "Going towards green" has established a Grid tied solar project to meet the electrical power requirement needs of the college and to preserve natural resources for current and future generations.

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2020

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4504	720	3784	5715	9499
2	February	5768	1521	4247	7304	11551
3	March	6892	1293	5599	7361	12960
4	April	8006	2014	5992	1925	7917
5	May	8270	3954	4316	1496	5812
6	June	6259	2658	3601	2047	5648
7	July	7425	1926	5499	1609	7108
8	August	7342	1853	5489	1573	7062
9	September	6576	2438	4138	1916	6054
10	October	7479	3881	3598	4053	7651
11	November	5438	1730	3708	5569	9277
12	December	5797	1959	3838	4560	8398
Total (KWh)		79756	25947	53809	45128	98937

The total capacity of the installation is 64 KWp (kilowatt 'peak' power output) which was established with an initial cost of 41.6lakhs. A total of 204 multi crystalline panels each with 315Wp were installed on rooftops of Engineering college building. The inverter network comprises of 3 units with 25 KVA capacity. The following show typical panel installation.

Even for power failures, solar plant is generating the power with the help of PV_DG Controller. It controls the solar power generation from 1% to 100% as per the load requirement. It maintains spinning reserve of DG at about 25-30%. Apart from this, a 20KVAR APFC panel has installed at incoming main busbar to maintain Unity Power Factor throughout a day.

Green Audit Report, SCOP - 2020

In future, the college is planning to be self-sufficient for its electrical power requirements by introducing energy efficient lamps, fans and solar streetlights for contributing to the sustainable development and environmental conservation.



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EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS



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Medchal Dist. PIN-501301

EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS

Financial Year	Garden Maintenance (Rs)	Purchase of LED's (Rs)	Renewable sources (Solar lamps) (Rs)	Total (Rs.)
2015 - 2016	49,465/-			49,465/-
2016 - 2017	46,750/-			46,750/-
2017 - 2018	1,40,400/-			1,40,400/-
2018 - 2019	1,44,200/-			1,44,200/-
2019 - 2020	1,50,000/-			1,50,000/-

-----THE END-----



Principal
Samskruti College of Pharmacy
Kondapur, Dist. Satkesar (Mh),
Med. Coll. Dist. Satkesar (Mh) - 431201

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Energy Management System in accordance with

ISO 50001:2011

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181201-EM

Certificate Number

31 December 2019

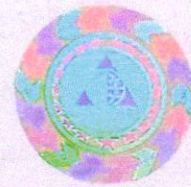
Date of Last Issue

31 December 2018


Date of Initial Registration

30 December 2020

Date of Expiry



Certificate is Valid for 2 Years (31.12.2019 to 30.12.2021) From the
Date of Last Issue. Upon Successful Completion of Surveillance
Audit New Certificate With an Extended Validity will be issued.


Signed on behalf of GMCSPL

Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matrusri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.

www.mcsglobal.in, E.mail:info@mcsglobal.in

Accredited by: Quality Accreditation Council, Accreditation No.116102, www.qac.in.org

This certificate is the property of GMCSPL, and shall be returned upon request by GMCSPL
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F-50 (Version 4.00, 28.08.2017)

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies an Environmental Management System in accordance with

ISO 14001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181202-E

Certificate Number

31 December 2019

Date of Last Issue

31 December 2018

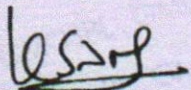
Date of Initial Registration

30 December 2020

Date of Expiry



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#402, Plot No.410, Matruvi Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.

www.mcsglobal.in, E.mail:info@mcsglobal.in

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Certificate of Registration

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SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Quality Management System in accordance with

ISO 9001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181207-Q

Certificate Number

31 December 2019

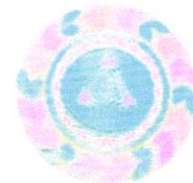
Date of Last Issue

31 December 2018


Date of Initial Registration

30 December 2020

Date of Expiry



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#402, Plot No.410, Matrusri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.
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Principal

F-50 (Version 4.00, 28.08.2017)

Samskruti College of Pharmacy
Kondapur (V), Ghatkesar (T)
Medchal Dist. PIN-501301

GREEN AUDIT REPORT

2018-2019



**Samskruti college of pharmacy:: Ghatkesar
Kondapur, Ghatkesar, Telangana**

Accredited by NAAC

Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

GREEN AUDIT REPORT

2018-2019



Kondapur College of Pharmacy
Kondapur, District, Telangana
Accredited by N.A.A.C.

Principal
Samskrit College of Pharmacy
Kondapur(VI, Ghatkesar(M),
District of Telangana

Green Audit Assessment Team



**K.Siva Naga Prasad, Lead Auditor
EMS/EnMS**



K.V.Murthy, Lead Auditor EMS/EnMS



Ch.RamaRao, Lead Auditor EMS/EnMS

Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Assessment Team

K.Siva Naga Prasad, Lead Auditor
EMSEMS

K.V.Murthy, Lead Auditor EMSEMS



Ch.Ramarao, Lead Auditor EMSEMS

Principal
Smsruti College of Pharmacy
Kondapally, West Godavari
Telangana - 506207

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Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

INTRODUCTION



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**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

INTRODUCTION

Principal
American College of Pharmacy
Washington, D.C. 20004
Adopted Dec. 1994-95

INTRODUCTION

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is an important process for any college or institution to determine how and where they are using the most energy or water or other resources; based on which the college can then consider how to implement changes and make savings. It can create health consciousness and promote environmental awareness, values and ethics. It provides the staff and students a better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it can also be stated that institutional self-enquiry is a natural and necessary outgrowth of any quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is becoming more prevalent.

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric CO₂ from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through carbon footprint reduction measures.



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OBJECTIVES



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Medchal Dist. PIN-501301

OBJECTIVES

Faculty
College of Pharmacy
University of Illinois at Chicago
Chicago, IL 60607

OBJECTIVES

In recent time, the Green Audit of an institution has been becoming a paramount importance for self- assessment of the institution which reflects the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep our environment clean since its inception. Therefore, the purpose of the present green audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards. The main objectives of carrying out Green audit are:

- To map the geographical location of the institution.
- To document the floral and faunal diversity of the college.
- To record the meteorological parameter of SCOP where the college is situated.
- To document the ambient environmental condition of weather, air, water and noise of the college.
- To document the waste disposal system.
- To estimate the Energy requirements of the college.
- To report the expenditure on green initiatives during the last five years.



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Medchal Dist. PIN-501301**

10/10/2019

The first part of the report is a general introduction to the project. It describes the objectives of the project and the scope of the work. The second part of the report is a detailed description of the methodology used in the project. This includes a description of the data collection methods, the data analysis methods, and the results of the analysis. The third part of the report is a discussion of the results of the project. This includes a discussion of the strengths and weaknesses of the project, and a discussion of the implications of the results. The final part of the report is a conclusion and a list of references.

10/10/2019

- To describe the methodology used in the project.
- To describe the data collection methods.
- To describe the data analysis methods.
- To describe the results of the analysis.
- To discuss the strengths and weaknesses of the project.
- To discuss the implications of the results.
- To conclude the project.
- To list the references.

Principal
 Manshi College of Pharmacy
 Khandwa (C.G.)
 Medical Dist. Bilaspur

METHODOLOGY



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Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

METHODOLOGY

Principal
University College of Pharmacy
Kondapur, Chittoor
Medical Dist. AP-501301

METHODOLOGY

The purpose of the green audit of SCOP is to ensure that the practices followed in the campus are in accordance with the Green Policy of the country. The methodology includes: collection of data, physical inspection of the campus, observation and review of the documentation and data analysis.



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

ABOUT THE COLLEGE



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Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

ABOUT THE COLLEGE

Principal
Maharaja College of Pharmacy
Kannur, Kerala
District of Malappuram

ABOUT THE COLLEGE

The Samskruti College of Pharmacy, one of the four educational institutions sponsored by the Vincent Education Society, was established in 2006 with a vision to impart quality technical education and is affiliated to Jawaharlal Nehru Technological University Hyderabad. The College is a little away from the din and bustle of Ghatkesar, a town with a historic and hoary past, about 15 Km. south of Hyderabad on Hyderabad-Warangal highway and rail route. The college offers B.Pharmacy, Pharm.D, Pharm.D(PB) and M.Pharmacy in three specializations of Pharmacy- Pharmaceutics, Pharmaceutical Analysis and Pharmacology.

Programmes offered by the institution

S.NO	Programme Code	Programme Name
01	1R	B.Pharmacy
02	1T	Pharm.D
03	5T	Pharm.D (PB)
04	S03	M. Pharmacy-Pharmaceutics
05	S12	M.Pharmacy-Pharmaceutical Analysis
09	S01	M.Pharmacy-Pharmacology



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VISION AND MISSION STATEMENTS



Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

VISION AND MISSION STATEMENTS

Principal
American College of Pharmacy
Department of Pharmacy
Medical Hill, RM-80730

Vision

- To be center of excellence by redefining pharmacy education and nurture globally competent professional pharmacists.
- To empower the faculty and students with knowledge, skills and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of Pharmacy, clinical research and interdisciplinary endeavors.

Mission

- To train and develop students into professional pharmacists so as to fulfill the industrial and community needs. To shoulder the responsibility of reducing the suffering mankind by providing pharmaceutical care.
- To maintain high values and standards so as to make students technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.



Principal

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Medchal Dist, PIN-501301**

Vision

- To be seen as a vibrant, leading pharmacy education and research institution
- To be seen as a vibrant, leading pharmacy education and research institution
- To be seen as a vibrant, leading pharmacy education and research institution
- To be seen as a vibrant, leading pharmacy education and research institution

Mission

- To train and develop students into professional pharmacists who are able to meet the needs of the community
- To train and develop students into professional pharmacists who are able to meet the needs of the community
- To train and develop students into professional pharmacists who are able to meet the needs of the community
- To train and develop students into professional pharmacists who are able to meet the needs of the community

Principal

Stavros College of Pharmacy
University of Saskatchewan
Saskatoon, Saskatchewan

GREEN AUDITING



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Medchal Dist. PIN-501301

GREEN AUDITING

Principal
Kannada College of Pharmacy
Kannur (K. Otharathur)
Kannur Dist. PIN-501001

GREEN AUDITING

Samskruti College of Pharmacy has been taken several initiatives to transform the college as “Green Campus” and adopted the ‘Green Campus’ system for environmental conservation in order to achieve environmental sustainability. The institute has initiated and planted variety of plant species to encourage and enhance the Biodiversity aspect of the campus. Due the Green initiative adopted by the institute, the campus temperatures were reduced and contributes on the adverse impacts of Global warming. The Students are enabled to pursue their pharmacy higher education comfortably at Green Campus and eco-friendly study environment. Rainwater harvesting system was implemented to meet the needs for plantation.



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The solid waste will be collected from all the sources such as from Kitchen, bathrooms inside the canteen which includes papers, plastics, foods, metals, glass etc. and it will be segregated from source of generation. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block workers in each floor collect, clean, segregate and compile the waste in the dustbins provided at each floor. The floor dustbins are emptied in movable containers provided for each block and is taken to the dumping yard provided by the college. The college has contacted an authorized vendor who collects the waste from the designated place, segregates them, recycles them and disposes them at the landfills authorized by the government. For drinking, mineral water facility is arranged in every building of the campus. Wastage of drinking water is restricted through proper monitoring. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings of the campus. Awareness towards minimizing the wastage of water is spread at regular intervals among the students.

The college was located in 5.2 acres of land area. The three major pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO₂emission, energy and water use, while creating atmosphere where students can learn and be healthy.

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LAND USE ANALYSIS OF SCOP



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Medchal, Dist. PIN-501301

LAND USE ANALYSIS OF SCOP

Approved for Release by NSA on 05-08-2014 pursuant to E.O. 13526

LAND USE ANALYSIS, SCOP

GENERAL OVERVIEW OF THE CONCEPT OF LAND USE

Land use refers to man's activities and the various uses which are carried on and derived from land. Viewing the earth from space, it is now very crucial in man's activities on natural resource. In situations of rapid changes in land use, observations of the Earth from space give the information of human activities and utilization of the landscape.

Remote sensing GIS techniques are now providing new tools for advanced land use mapping and planning. The collection of remotely sensed data facilitates the synoptic analyses of earth system, functions, patterning and change in the local, regional as well as at global scales over time. Satellite imagery particularly is a valuable tool for generating land use map.

METHODOLOGY ADOPTED FOR LAND USE MAPPING

Three types of data that are GPS points, field survey data and Google earth data for geo referencing have been used in this study.

DATA PROCESSING AND ANALYSIS

Land use map preparation is executed through the following steps:

Acquisition of data (latitude and longitudinal data) Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing of all the Geo referenced maps were done using GIS. Data manipulation and analysis and linking the spatial data with the attribute data for creation of topology was carried out using GIS software. Creation of GIS output in the form of land use map showing various land usage have also been prepared.

Therefore, attempt has been made in this study to map land use for SCOP with a view to detect the land consumption in the built-up land area using both remote sensing and GIS techniques.



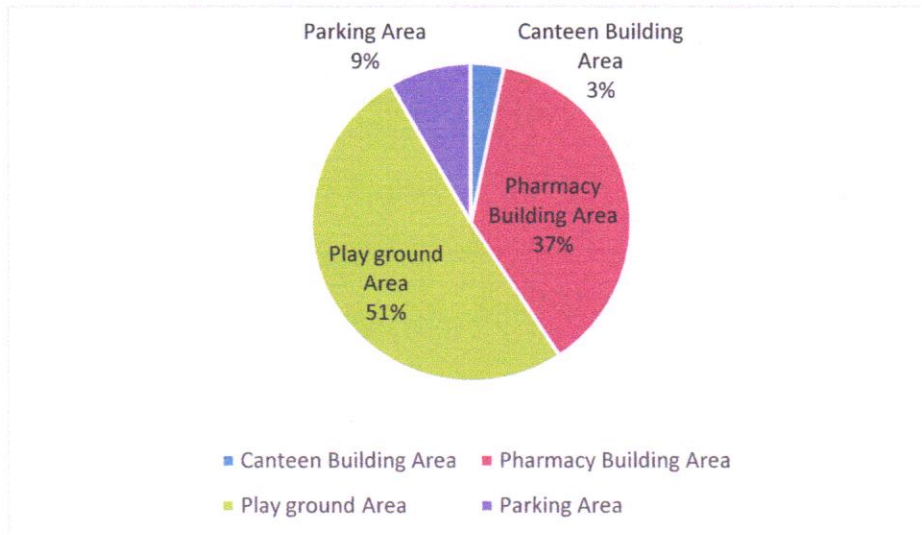
Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

LAND USE DATA OF SCOP, Ghatkesar

Canteen Building Area	AREA (sq. meter)
Administrative Area (Inside the Pharmacy Building)	500
Canteen Building Area	400
Pharmacy Building Area	4456
Play ground Area	6070.28
Parking Area	1000
Total Area	11,926.28

LAND USE ANALYSIS, Samskruti College of Pharmacy, Ghatkesar, Hyderabad



LAND USE (BUILT UP AREA) ANALYSIS

The built up area of 40 % (4865.0 m²25%) consists of the following regions as stated below for land consumption in built-up area for Samskruti College of Pharmacy.

FINDINGS

SCOP, which was established in the year 2006, has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance. Its land use is such that about 60% of the total area is occupied by open land and plantation that generates a better and sustainable campus environment.

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Table 1. Data of the Study

Year	Number of Students	Number of Lecturers
2017-18	1000	10
2018-19	1000	10
2019-20	1000	10
2020-21	1000	10
2021-22	1000	10

Table 1. Data of the Study

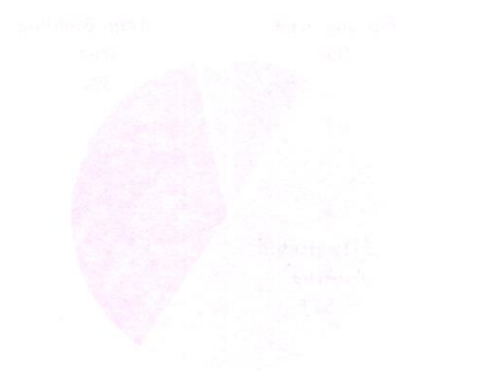


Figure 1. Distribution of students across different years

The data in Table 1 shows that the number of students in the study was 1000 for each year from 2017-18 to 2021-22. The number of lecturers was 10 for each year. The data indicates that the number of students and lecturers remained constant throughout the study period.

The data in Table 1 shows that the number of students in the study was 1000 for each year from 2017-18 to 2021-22. The number of lecturers was 10 for each year. The data indicates that the number of students and lecturers remained constant throughout the study period.

Pharmacy
 Faculty of Pharmacy
 Mansoura University
 Mansoura, Egypt
 Faculty of Pharmacy
 Mansoura University
 Mansoura, Egypt

Area occupied by various buildings of SCOP

Instructional Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Measurements of room (in Sq.mts.)			
			Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	1	205	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	206	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	1	208	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	306	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	307	7.5	9.15	3.66	68.625
SAMSKRUTI COLLEGE OF PHARMACY	2	308	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	2	309	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	410	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	403	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	411	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	404	3.58	9.15	3.66	32.757
SAMSKRUTI COLLEGE OF PHARMACY	3	407	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	101	3.58	9.15	3.66	32.575
CANTEEN BUILDING	1	102	7.5	9.15	3.66	68.625
CANTEEN BUILDING	1	104	15.0	9.15	3.66	137.25
CANTEEN BUILDING	1	106	3.58	9.15	3.66	32.757
CANTEEN BUILDING	1	107	7.5	9.15	3.66	68.625

Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Lab Area Details

Building/Blocks Name	Level/Floor No.	Room No.	Length	Breadth	Height	Area (L*b)
SAMSKRUTI COLLEGE OF PHARMACY	0	102	7.21	9.15	3.66	66.02
SAMSKRUTI COLLEGE OF PHARMACY	0	106	7.39	9.15	3.66	67.795
SAMSKRUTI COLLEGE OF PHARMACY	0	107	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	0	108	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	0	109	7.39	9.15	3.66	67.67
SAMSKRUTI COLLEGE OF PHARMACY	1	201	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	202	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	203	11.20	9.15	3.66	102.46
SAMSKRUTI COLLEGE OF PHARMACY	1	204	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	1	210	1.79	9.15	3.66	16.37
SAMSKRUTI COLLEGE OF PHARMACY	2	301	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	2	305	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	2	310	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	401	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	402	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	406	18.83	9.15	3.66	172.32
SAMSKRUTI COLLEGE OF PHARMACY	3	408	11.20	9.15	3.66	102.56
SAMSKRUTI COLLEGE OF PHARMACY	3	409	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	412	7.5	9.15	3.66	68.5
SAMSKRUTI COLLEGE OF PHARMACY	3	413	7.5	9.15	3.66	68.5
CANTEEN BUILDING	1	105	7.5	9.15	3.66	68.5


Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Lab Area Details

Room No.	Length	Breadth	Height	Area (sq.m)	Lab Area Details
101	7.51	4.15	3.66	68.75	SAMSKRUTI COLLEGE OF PHARMACY
102	7.39	4.15	3.66	67.72	SAMSKRUTI COLLEGE OF PHARMACY
103	7.39	4.15	3.66	67.72	SAMSKRUTI COLLEGE OF PHARMACY
104	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
105	7.39	4.15	3.66	67.72	SAMSKRUTI COLLEGE OF PHARMACY
106	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
107	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
108	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
109	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
110	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
111	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
112	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
113	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
114	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
115	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
116	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
117	11.50	4.15	3.66	102.46	SAMSKRUTI COLLEGE OF PHARMACY
118	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
119	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY
120	7.5	4.15	3.66	68.2	SAMSKRUTI COLLEGE OF PHARMACY

Principal
Samskruti College of Pharmacy
Kandgaon (W), Gandgaon (W)
District: Dindori Pin-491301

GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE



Principal

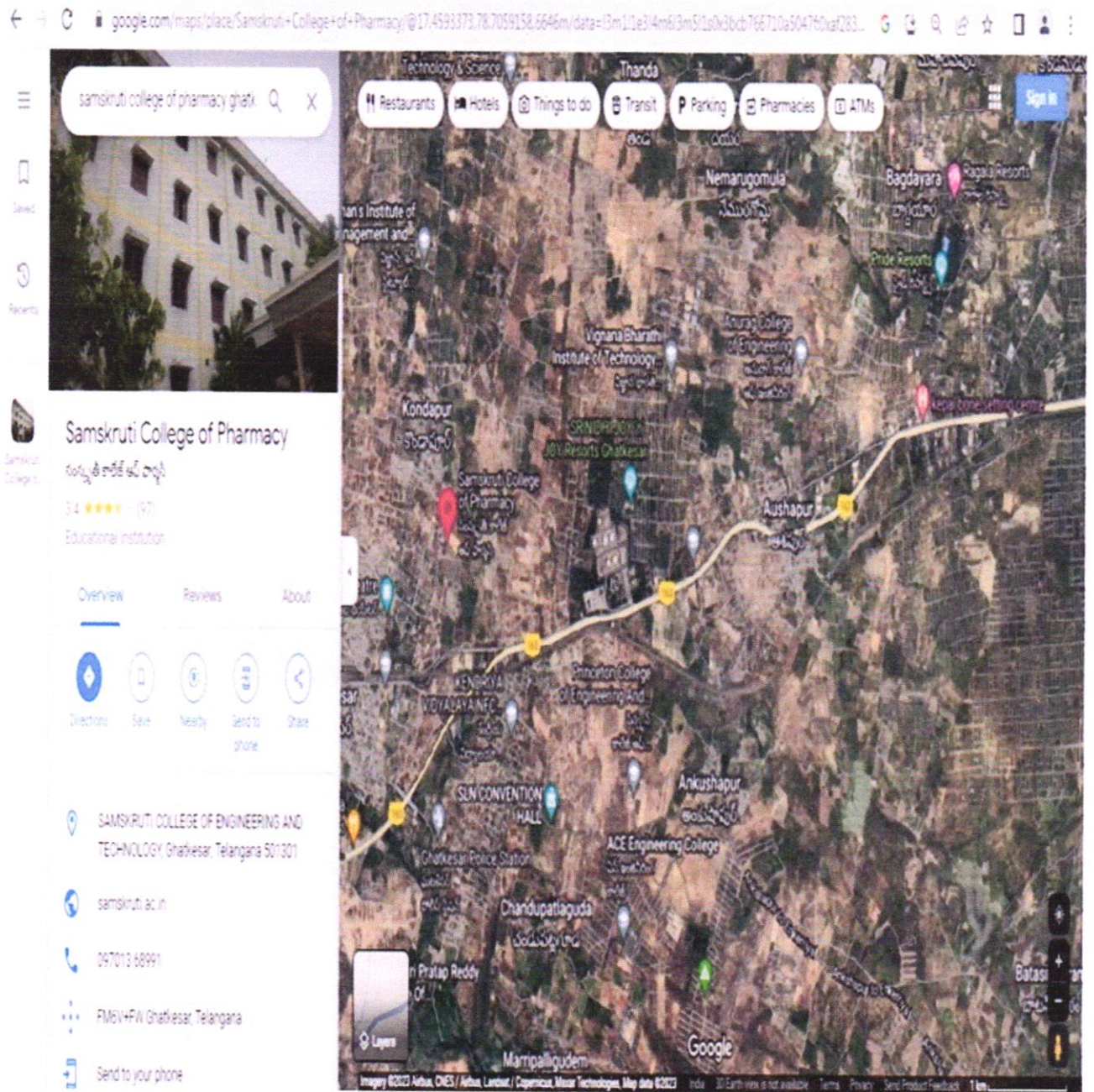
**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

Principal
Sankar College of Pharmacy
Kondapudi (V), Othakurthi (M),
West Godavari Dist. 504 201001

GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

The college has a sprawling pollution-free campus spread over 5.2 acres of land very near to the Kondapur village, Ghatkesar Mandal of Medchal District.



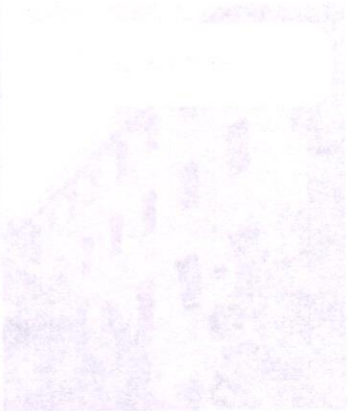
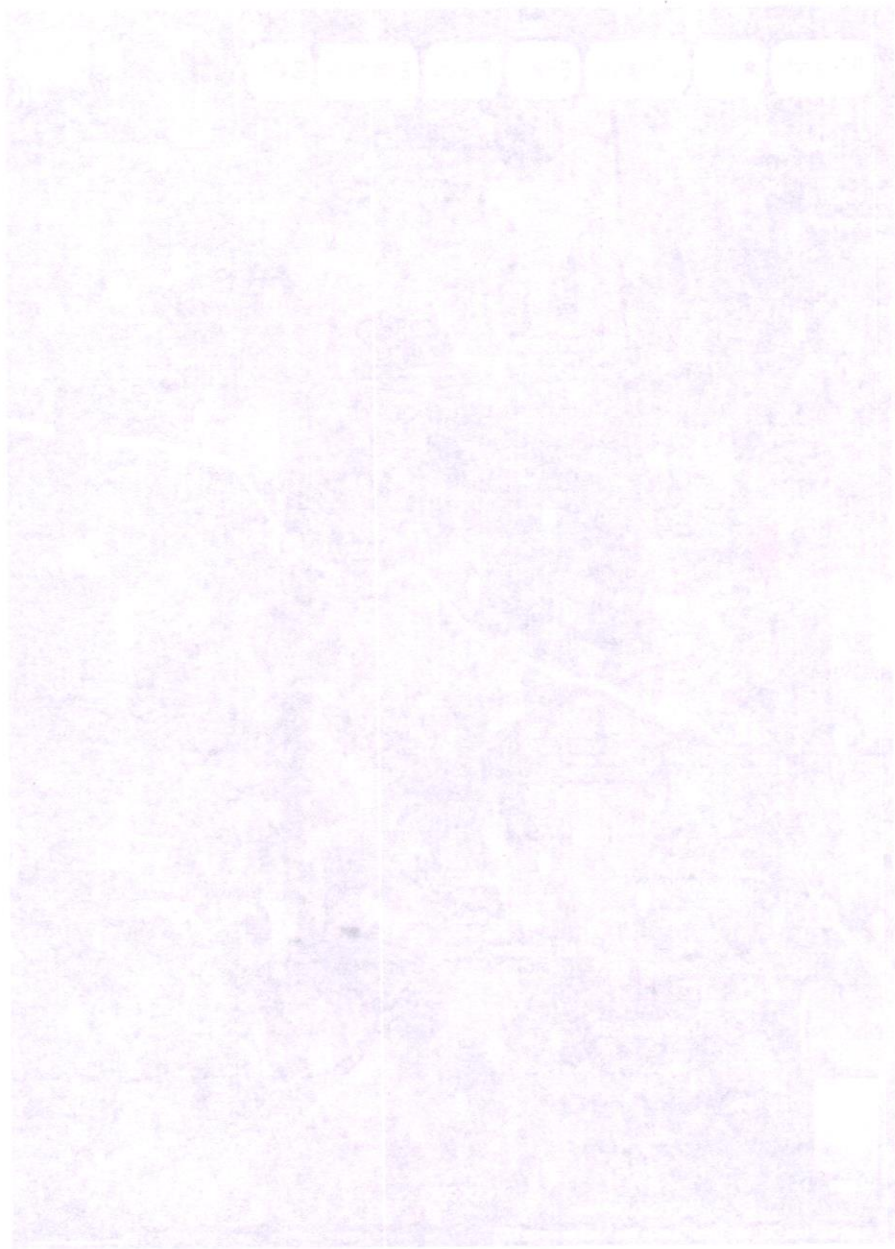
Google Map of College Campus and Location map screen shot

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

PHYSICAL EXAMINATION WITH CHEST X-RAY

The patient had a bounding pulse (120 bpm) and normal blood pressure (120/80 mmHg). The lungs were clear to auscultation. The heart was normal in size and configuration. The abdomen was soft and non-tender. The extremities were warm and well-perfused. The patient was in no acute distress.



The chest X-ray (Figure 1) shows a normal heart size and configuration. The lungs are clear, and there is no evidence of pulmonary edema, consolidation, or pleural effusion. The diaphragm is well-positioned, and the costophrenic angles are sharp. The bony structures of the thorax are unremarkable.

Figure 1: Chest X-ray showing normal heart size and configuration.

10/10/2019
 10/10/2019
 10/10/2019

TREE DIVERSITY OF SCOP



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

OF SCOP TREE DIVERSITY

Department of Pharmacy
University of Pune
Kandharva, Maharashtra
Mumbai, India PIN-411007

TREE DIVERSITY OF SCOP, Ghatkesar.

SCOP is within the geo-position between latitude N 17°27'42.69092" and longitude E78°41'40.9683" in SCOP, Telangana, India. It encompasses an area of about 30 Acres. The area is immense diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organized by the authority and have become an integral part of the college.

The trees of the college have increased the quality of life, in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. Many species of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favorite of birds and many insects.

Leaf covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colors. Even individual trees vary their appearance throughout the course of the year as the seasons change. The strength, long lifespan and regal stature of trees give them a monument – like quality They also remind us the glorious history of SCOP and our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day.

A thick belt of large shady trees in the periphery of the college have found be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire SCOP town and its surrounding areas.

“Green audit” is a principle introduced to make the educational institute environmentally sustainable. The purpose of the green audit is to ensure that the Green Policy is followed and implemented in the campus. Samskruti college of Pharmacy implemented green-friendly practices to manage the available resources and has taken steps in environmental conservation and protection. As a part of such practice, inter environmental audit (Green Audit) is conducted to evaluate the actual scenario on the campus. A survey on trees and other greeneries within the campus was done by the students.

Principal

Samskruti College of Pharmacy
Kondapur(V), Shaikotla (M.C.)
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2019

The following are the tree species with whom we are being attached:

S.No.	Common Name	Scientific Name	Number
1	Nalleru	Cissus quadrangularis	02
2	Kamanchi	Solanum Nigrum	03
3	Lemon grass	Cymbogon	02
4	Ranapala	Bryophillum pinnatum	01
5	Tulasi	Sciumu	05
6	Attipatti	Mlmosa pudica	07
7	Kanakambaram	Crossandrain fundibuliformis	04
8	Fiery Costus	Chamaecostus Cuspidatus	02
9	Cayenne jasmine	Catharanthus roseus	02
10	Guava	Pisidium guava	06
11	Anjeer	Ficus Carica	01
12	Parijata	Cestrum Nocturnum	02
13	Indian plum	Ziziphus mauritiana	06
14	Sago palm	Cycas	02
15	Jennifer	Aster ericoides	01
16	Pomegranate	Punica granatum	03
17	Aloevera	Aloe barbadensis	15
18	Sea hibiscus	Talipara	02
19	Vepachettu	Azadirachta indica	20
20	Nereduchettu	Syzygiumcumini (L.) Skeels	02
21	Coconut	Cocos nucifera	04
22	Christmas Tree	Araucaria columnaris	06
23	Oyster plant	tradiscantia	03
24	Badam	Terminalia catappa	07
25	Usirikaaya	Phyllanthus emblica	04
26	Kanuga	Millettia Pinnata	08
27	Mango	Mangifera indica	03
28	Marri chettu	Ficus benghalensis	02
29	Raavi chettu	Ficus religiosa	04
30	Seethaphalam	Annona reticulata	02
31	Polachettu	Alstonias cholaris	04
32	Sapota	Manilkara zapota	04
33	Drumstick	Moringa oleifera	02

Sl. No.	Common Name	Scientific Name	Number
1	Almond	<i>Prunus amygdalus</i>	10
2	Apple	<i>Malus domestica</i>	10
3	Apricot	<i>Prunus amygdalus</i>	10
4	Banana	<i>Musa sapientum</i>	10
5	Bitter melon	<i>Melothria martaiana</i>	10
6	Brinjal	<i>Solanum melongena</i>	10
7	Butterbean	<i>Vigna unguiculata</i>	10
8	Chickpea	<i>Cicer arietinum</i>	10
9	Cucumber	<i>Cucumis sativus</i>	10
10	Guava	<i>Psidium guajava</i>	10
11	Jaggery	<i>Cassia fistula</i>	10
12	Jackfruit	<i>Artocarpus heterophyllus</i>	10
13	Jackfruit	<i>Artocarpus heterophyllus</i>	10
14	Jackfruit	<i>Artocarpus heterophyllus</i>	10
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99	Jackfruit	<i>Artocarpus heterophyllus</i>	10
100	Jackfruit	<i>Artocarpus heterophyllus</i>	10

Signature of the Head of the Institution
 Date: _____

Green Audit Report, SCOP-2019

34	Henna Tree	Lawsonia inermis	03
35	Oyster plant	Tradescantia	03
36	Blue flowered rattle pod	Crotalaria vessucosa L	03
37	Orchid plant	Cymbidium orchid	01
38	Lane puwak	Areca concinna	02
39	Peacock flower	Caesalpinia pulcberrima	07
40	Lantana camera flowers	Lantana camera	05
41	Parthenium (santa maria fever few)	Parthenium hysterophorus	18
42	Orchidtree (kanchon)	Bauhinia variegata	04
43	Sickle pod	Senna obtusifolia	06
44	Achar / chironji tree seeds	Buchanania lanzan	01
45	Vampadan climbing shrub	Ventilago madeaspatana	03
46	Lebbeck tree	Langil	05
47	Indian cork tree	Millingtonia hortensis linn.F	06
48	Veld grape	Cissus quadrangularis	02
49	Cheese wood	Pittosporum tobira	06
50	Paper flower	Bougainvillea glabra	04
51	nilgiri	Eucalyptus globulus	05
52	Crown of thorns	Euphorbia millivar	12
53	Papaya	Carica papaya	02
54	Fire cracker flower	Crossan drain fundibuiformis	02
55	Chamanthi	crysanthemum	02
56	Ixora coccinia	Rubiaceae	02
57	Jasminum cuspidatum	Oleaceae	03
58	Lawsoniainermis	Lythraceae	03
59	Mangiferaindica	Anacardiaceae	03
60	Screwpine	Pandanus veitchi	04
61	Lancepod	Loncho carpus costaricensis	03
62	Earpod tree	Enterolobium cyclocarpum	20
63	Nontry cypress	Cypressus and macrocarpa	06
64	Weeping fig	Ficus bengamina	07
65	Coat buttons	Tridax procumbens	06
66	Indian pulai	Alstroniascholaris	01
67	Trumpet tree	Tabebuia roser	03
68	Brush berry	Syzygiamaustrale	02

Green Audit Report, SCOP-2019

69	Oyster	Tradescantia spathacea	01
70	Good luck plant	Cordiyline fruticosa	01
71	Pergularia	Pergularia tomentosa	01
72	Cape honey suckle	Tecomaria capensis	05



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

Medical Officer
 District Hospital
 Pin-501301

Plantation Photos



Principal

Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2019



San
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Main Entrance – Samskruti Group of Institutions

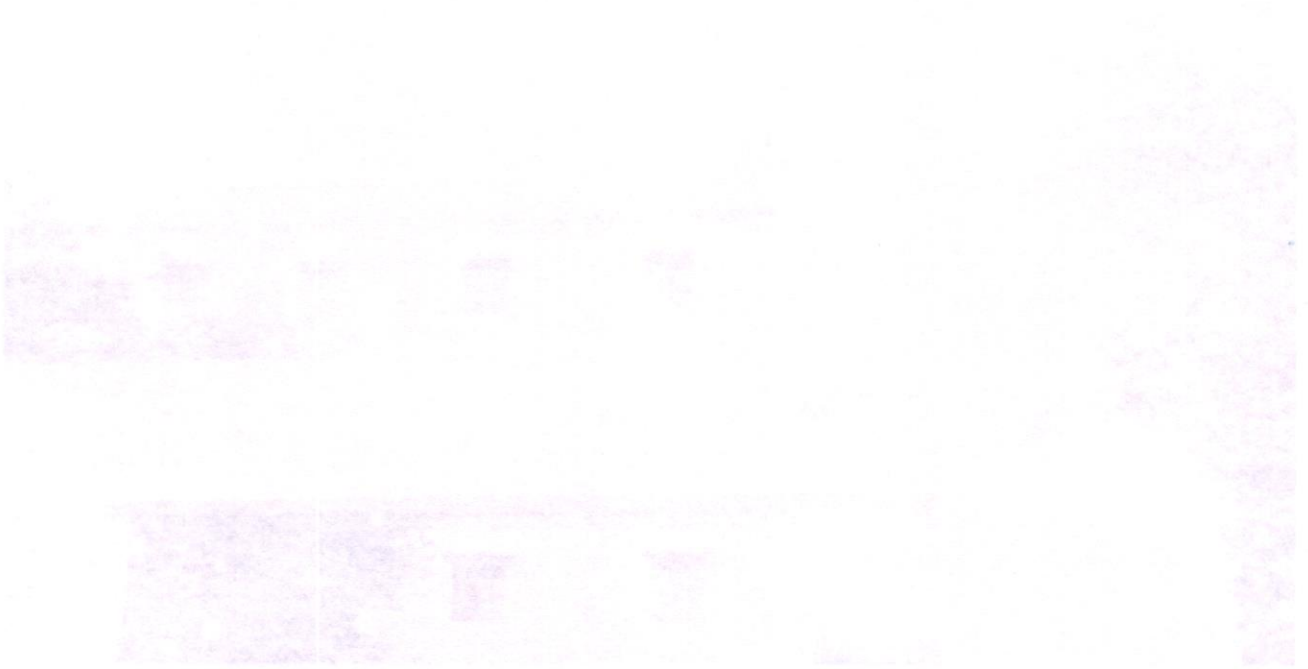


College Building – Samskruti College of Pharmacy



Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**



College building - main entrance - Pharmaceutical Group of Institutions



Principal
Pharmaceuticals College of Pharmacy
Noida (V), Ghaziabad (N)
Medical Dist. PIN-201304

Cafeteria – Samskruti College of Pharmacy



Canteen – Samskruti College of Pharmacy



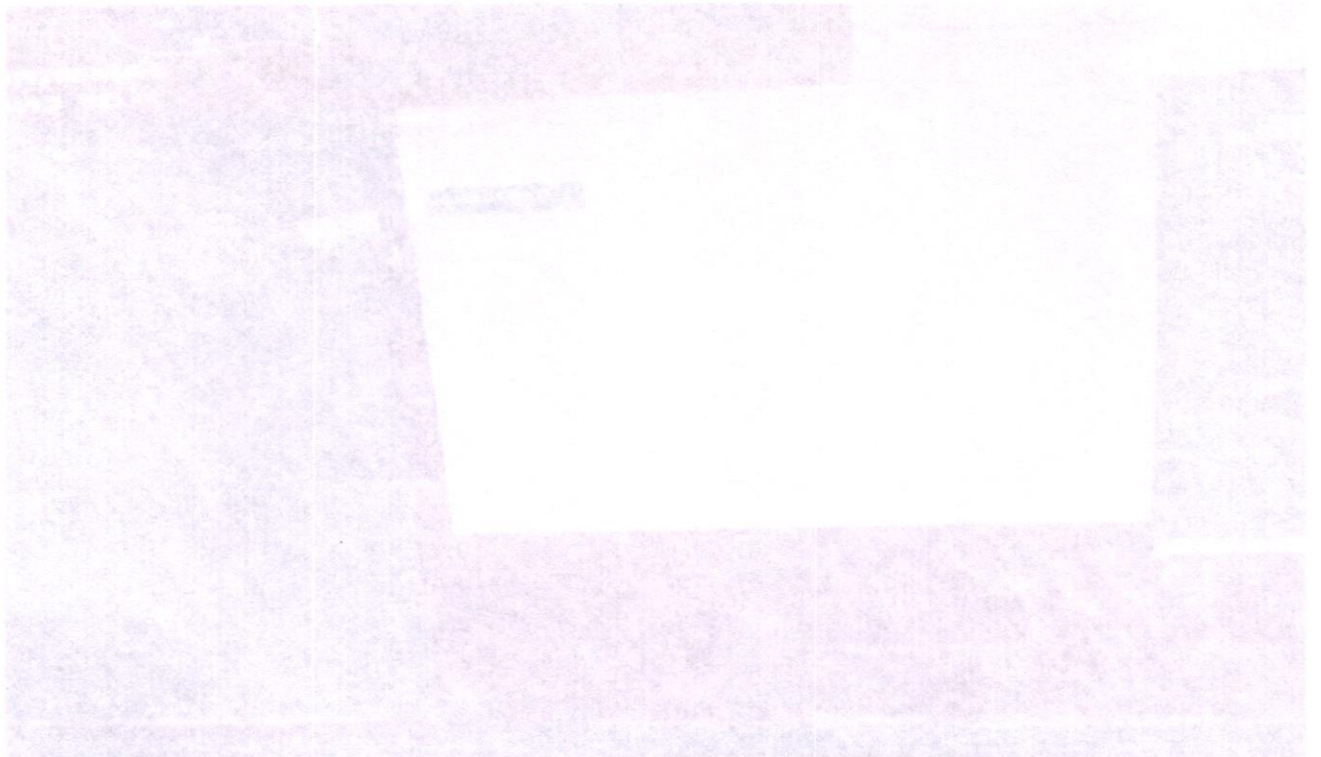
Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

College - Jamia Millia Islamia



College - Jamia Millia Islamia



Principal
Jamia Millia Islamia
New Delhi - 110025
Phone: 011-26194111
Fax: 011-26194112

Play Ground – Samskruti College of Pharmacy



Basket ball court – Samskruti College Of Pharmacy

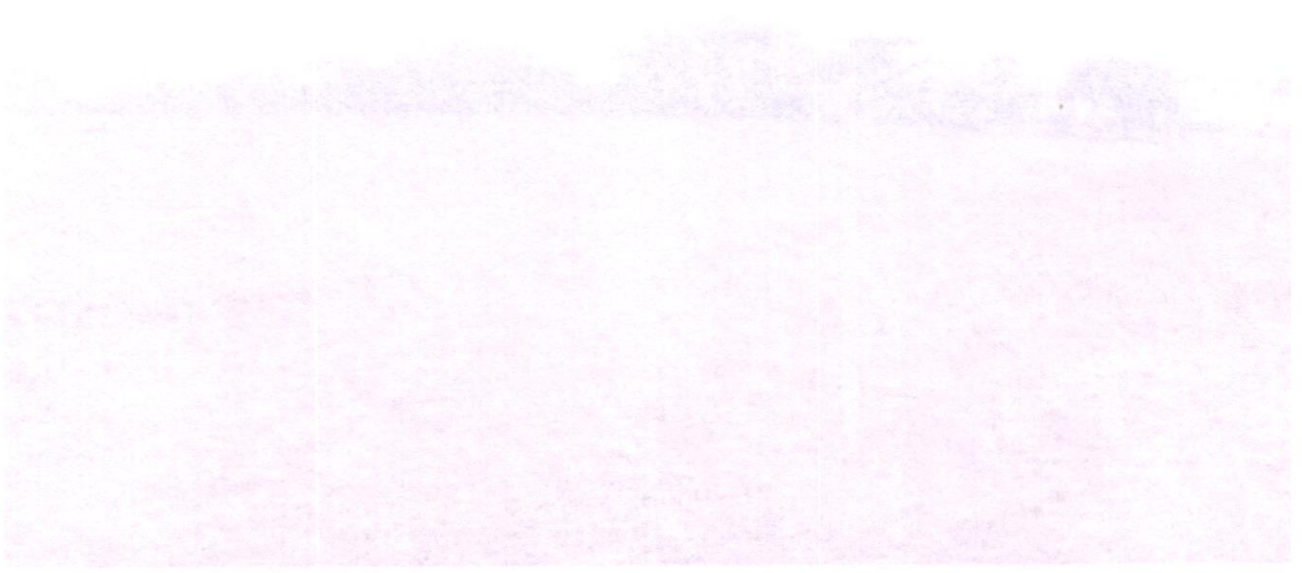


A handwritten signature in green ink, appearing to be the name of the principal.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Page 1 of 1



Basketball court - San Juan College of Pharmacy



10/20/2010
 10:00 AM
 10/20/2010

Volleyball court – Samskruti College Of Pharmacy



A handwritten signature in green ink, appearing to be the name of the Principal.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Volleyball court - Samstani College Of Pharmacy



[Handwritten signature]

Principal

Samstani College of Pharmacy
Kondapur(V), Chitkaran(82)
Mumbai Dist. Pin-401301

FAUNAL DIVERSITY IN SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301


FAUNAL DIVERSITY IN SCOP

Principal
University College of Pharmacy
Kumbhari(A), Dist. Nashik(MH)
Medical Dir. Pin-422001

FAUNAL DIVERSITY IN SCOP

SCOP is located in District of Medchal, Telangana India. The highest temperature is recorded 42⁰ C just prior to the onset of monsoon (around May- early June). Summer rain is normal, and is principally caused from late June to August by the moisture-laden South- West Monsoon, on striking the Himalayan foothills of the north. The climatic condition of the SCOP district as a whole and SCOP in particular is very suitable for a wide variety of flora and fauna to support its rich biodiversity. The faunal Diversity of SCOP campus has been studied and documented as below:

S.No	CommonName	ScientificName
1.	Common Myna	Acridotheres Tristis
2.	House Sparrow	Passer Domesticus
3.	House Crow	Corvus Splendens
4.	Cuckoo	Cuculidae
5.	Snake	Naja Naja
6.	Yellow Wasp	Ropalidia Marginata
7.	Butter Fly	Danaus Genutia
8.	Honey bees	Apis
9.	Common Wood shrike	Tephrodornis Pondicerianus
10.	Pied Myna	Gracupica Contra
11.	Red-Vented Bulbul	Pycnonotus Cafer
12.	Skylark	Aluda Gulgula
13.	Garden Tiger Moth	Arctia Caja
14.	Little Owl	Athene Brama
15.	Oleander Moth	Syntomeida Epilais
16.	Slender Skimmer	Orthetrum Sabina
17.	Lizard	Indian Garden Lizard
18.	peacocks	Pavo cristatus
19.	Grass Hopper	Orthoptera
20.	Squirrel	Sciuridae
21.	Scarab Beetle	Coleoptera
22.	Lizard	Lacertilia
23.	Pigeon	Columbidae
24.	Parrots	Indian Rose Ringed Parakeet


Principal
 Samskruti College of Pharmacy
 Kondapur(V). Ghatkesar(M),
 Medchal Dist. PIN-501301



Handwritten signature in green ink.

Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Trees and Plants- Samskruti College of Pharmacy



A handwritten signature in green ink, appearing to be the name of the Principal.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Faculty and Staff



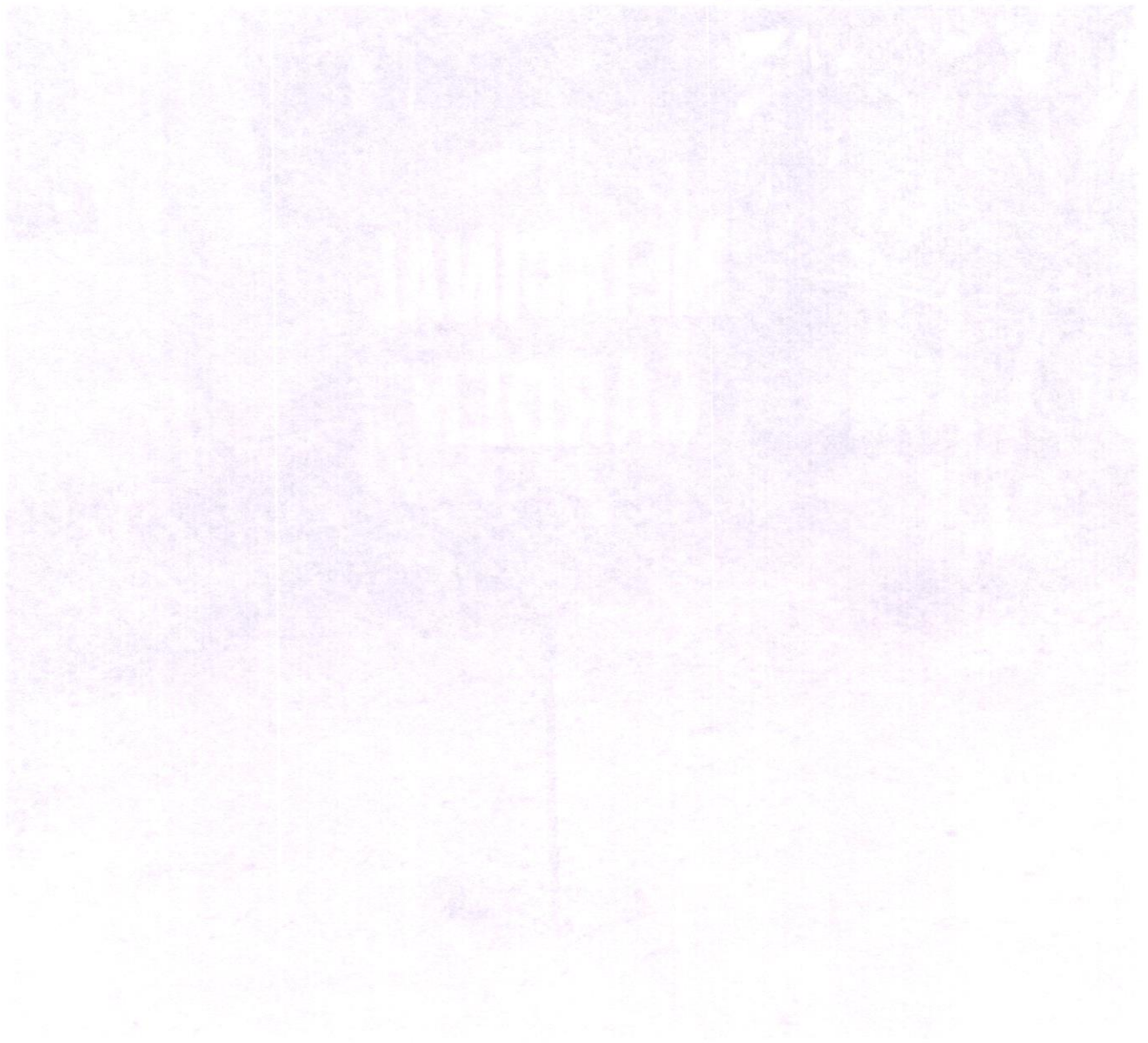
Principal
Samuel College of Family
Kendall College of Business
1000 Main St. #100



A handwritten signature in green ink, appearing to be "S. S. S.", is written over a circular stamp.

Principal

**Samskruti College of Pharmacy
Kondapur(V). Chatkesar(M),
Medchal Dist. PIN-501301**



Principal
Sankar College of Pharmacy
Kondapur(V), Guntur(A.P.)
Medical Dist. PIN-501301

FLORAL DIVERSITY OF SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

FLORAL DIVERSITY OF SCOP



Department of Pharmacy
Faculty of Science
University of Baghdad

FLORAL DIVERSITY IN SCOP



Principal

**Ramskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**



Principal
University of Pennsylvania
Philadelphia, PA 19104
Medical School 341-2331

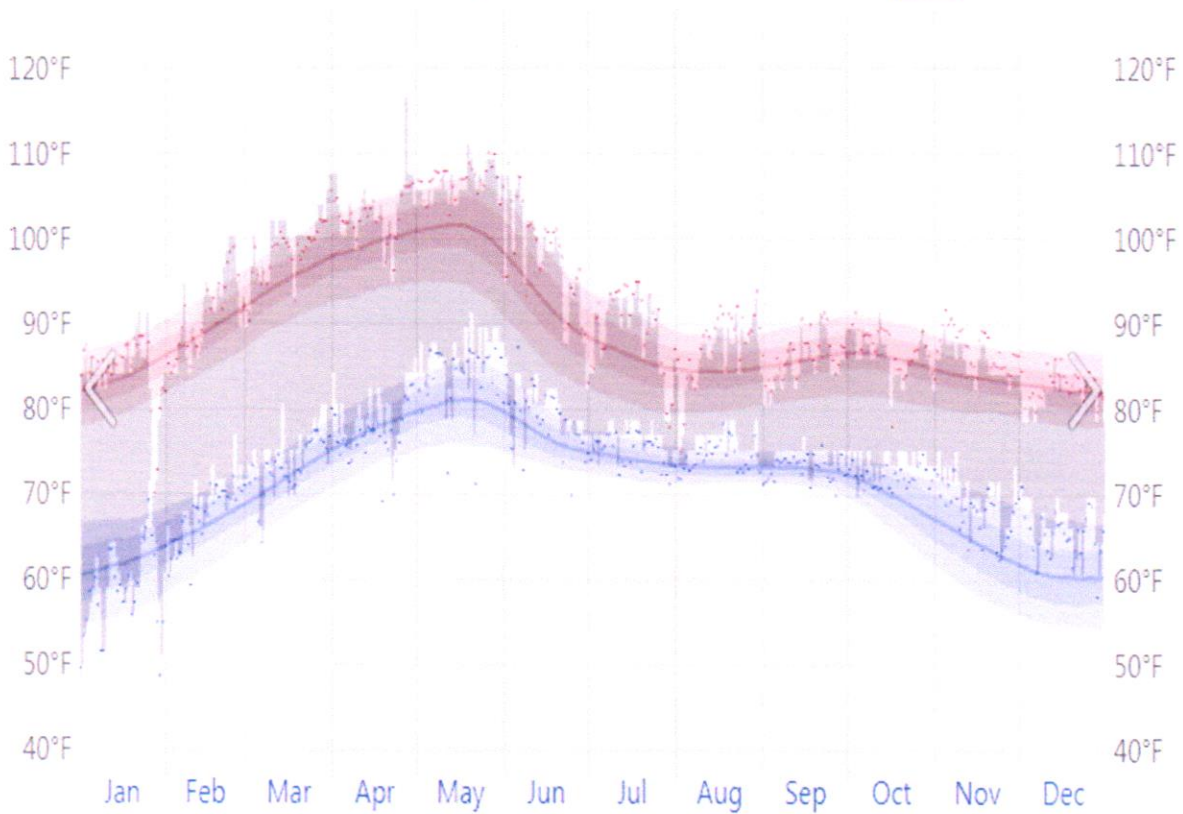
WEATHER DATA OF SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Weather Data – 2019

Link Download Compare Averages History: 2023 2022 2021 2020 **2019** 2018 2017 2016 2015



The daily range of reported temperatures (gray bars) and 24-hour highs (red ticks) and lows (blue ticks), placed over the daily average high (faint red line) and low (faint blue line) temperature, with 25th to 75th and 10th to 90th percentile bands.

Temperature at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

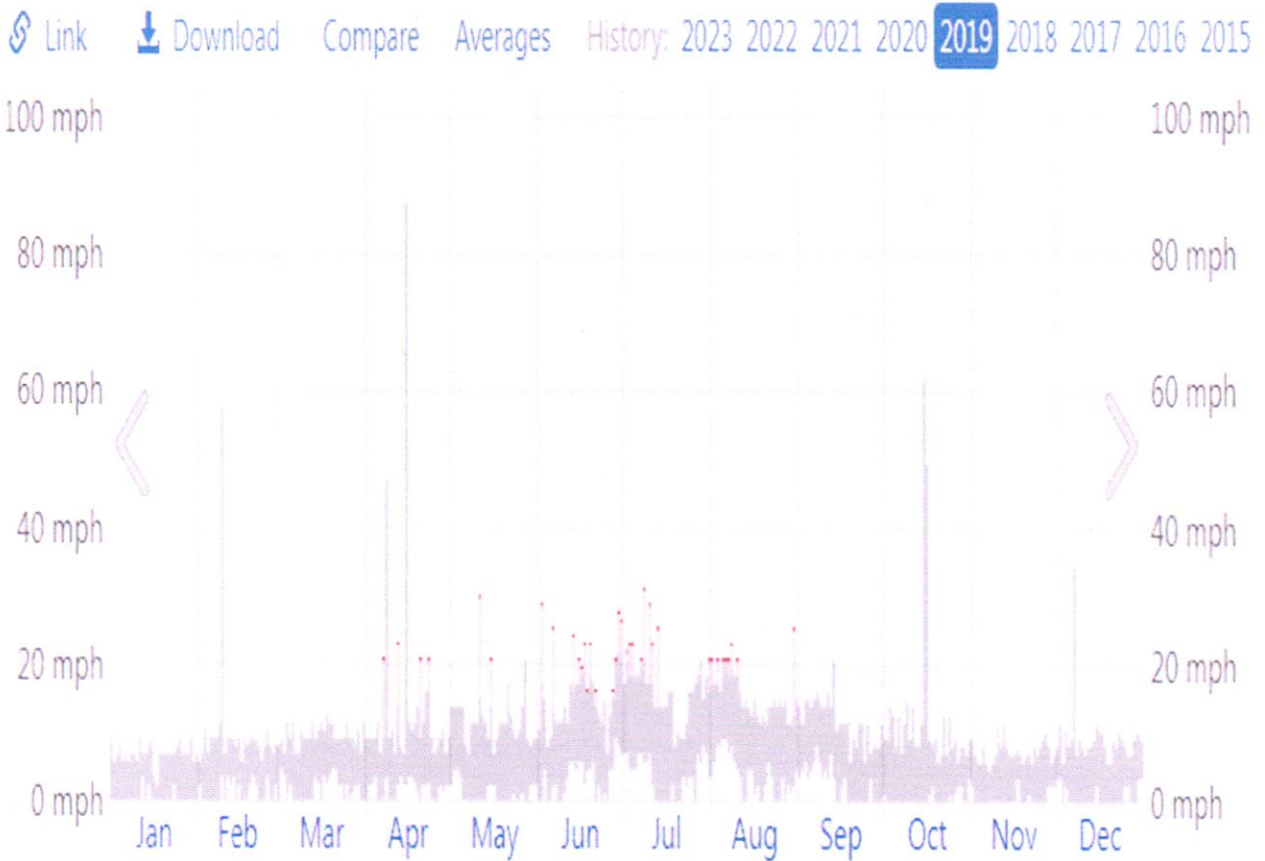
Principals
Samskruti College of Pharmacy,
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

10-10-85



Temperature in Zankovskiy College of Pharmacy, Krasnodar, Caucasus

Zankovskiy College of Pharmacy
Krasnodar (V) (Russia)
Medical Dept. 351-801301



The daily range of reported wind speeds (gray bars), with maximum gust speeds (red ticks).

Wind Speed at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301



Kindly send me a copy of your journal, I would be very grateful.

Dr. J. M. Scott
Department of Psychology
University of Illinois at Chicago
Chicago, Illinois 60607

Green Audit Report, SCOP-2019

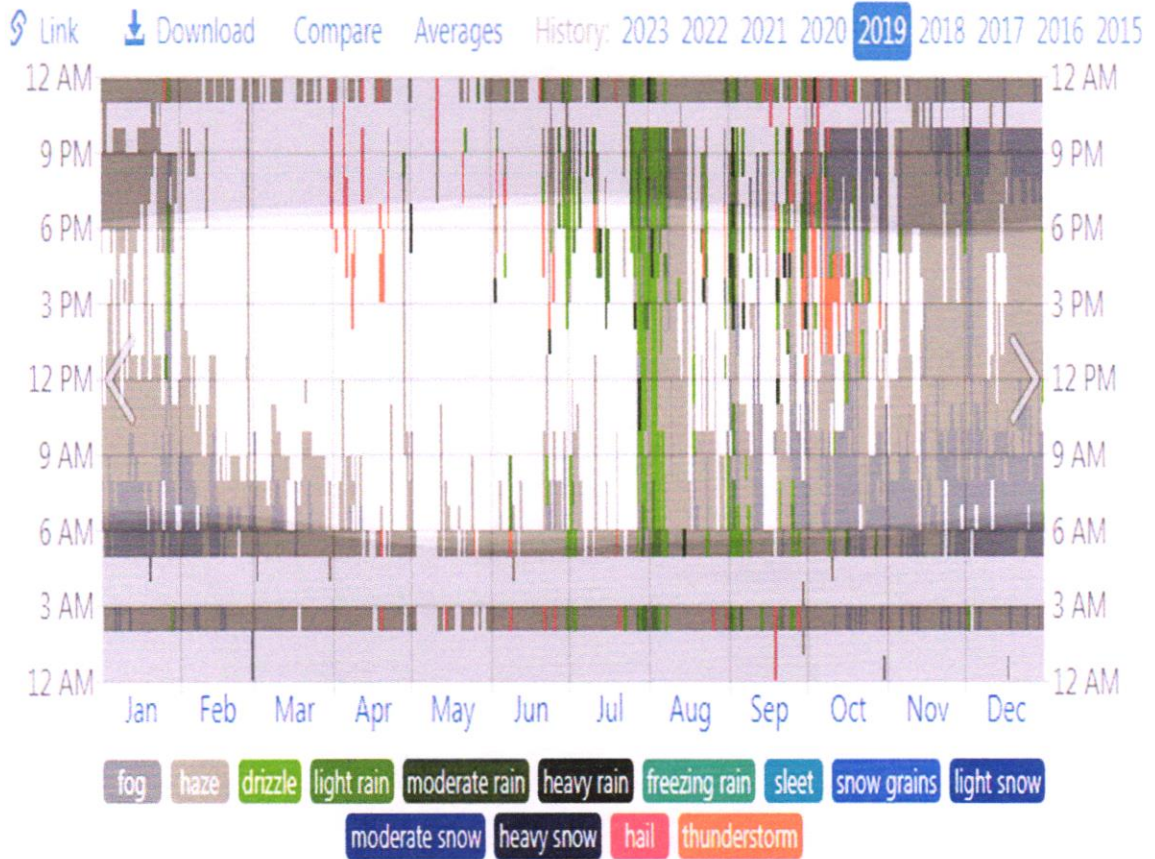


The hourly reported humidity comfort level, categorized by dew point. The shaded overlays indicate night and civil twilight.

Humidity at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

Green Audit Report, SCOP-2019



The hourly observed weather, color coded by category (in order of severity). If multiple reports are present, the most severe code is shown.

Rainfall at Samskruti College of Pharmacy, Kondapur, Ghatkesar.

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Year	2020	2021	2022	2023
1	100	100	100	100
2	100	100	100	100
3	100	100	100	100
4	100	100	100	100
5	100	100	100	100
6	100	100	100	100
7	100	100	100	100
8	100	100	100	100
9	100	100	100	100
10	100	100	100	100
11	100	100	100	100
12	100	100	100	100
13	100	100	100	100
14	100	100	100	100
15	100	100	100	100
16	100	100	100	100
17	100	100	100	100
18	100	100	100	100
19	100	100	100	100
20	100	100	100	100
21	100	100	100	100
22	100	100	100	100
23	100	100	100	100
24	100	100	100	100
25	100	100	100	100
26	100	100	100	100
27	100	100	100	100
28	100	100	100	100
29	100	100	100	100
30	100	100	100	100
31	100	100	100	100
32	100	100	100	100
33	100	100	100	100
34	100	100	100	100
35	100	100	100	100
36	100	100	100	100
37	100	100	100	100
38	100	100	100	100
39	100	100	100	100
40	100	100	100	100
41	100	100	100	100
42	100	100	100	100
43	100	100	100	100
44	100	100	100	100
45	100	100	100	100
46	100	100	100	100
47	100	100	100	100
48	100	100	100	100
49	100	100	100	100
50	100	100	100	100

100 100 100 100

100 100 100 100

100 100 100 100

100 100 100 100

AIR QUALITY OF SCOP



Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

AIR QUALITY OF SCOP



Principal
Department of Environment and Forests,
Kandamangudi, Mysore (Karnataka),
Mysore District 575 001

Green Audit Report, SCOP-2019

**SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR(V), GHATKESAR.
AIR QUALITY ANALYSIS DETAILS AT SCOP CAMPUS**

Date of Report	09.24.2019
Sample collected by	B.Pharm Final Year Students
Sample collection Date	09.19.2019
Sample Description/Code	AIR QUALITY ANALYSIS

S.NO	NAME OF THE PARAMETER	TEST RESULTS				NAAQS LIMITS	TEST METHOD
		COLLEGE MAIN ENTRANCE	ADMIN BUILDING	CANTEEN AREA	SPORTS GROUND		
1	Particulate Matter (PM10)	61.5	52.6	52	75	100	IS 5182: Part- 23 (2012)
2	Particulate Matter (PM2.5)	20.4	15.5	15.6	25	60	CPCB Manual (NAAQMS/36/2012-13) Gravimetric method (Cyclonic Flow technique)
3	Sulphur dioxide as SO ₂ (µg/m ³)	0	0	0	0	80	IS 5182: Part- 2 (2012)
4	Nitrogen dioxide as NO _x (µg/m ³)	0	0	0	0	80	IS 5182: Part- 6 (2012)

S. Sateesh
Checked by
Shiva Srikrishna, Asst. Prof.



Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. Pin-501301**



Authorized Signatory
Dr. D. Venkata Ramana, Prof.

NOISE LEVEL IN THE SURROUNDING OF SCOP



Principal

Sanskriti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301


NOISE LEVEL IN THE SURROUNDING OF SCOP


Principal
Sri Lanka College of Pharmacy
Kandy, Sri Lanka
Phone: 011-201100


SAMSKRUTI COLLEGE OF PHARMACY KONDAPUR (V), GHATKESAR.
NOISE LEVEL MEASUREMENT DETAILS AT SCOP CAMPUS

Date of Report	09.24.2019
Sample collected by	B.Pharm final year students
Sample collected date	09.19.2019
Sample description	Noise level measurements

S.NO	SAMPLING LOCATION	MEASUREMENT (DURATION IN SECS)	MINIMUM (DBA)	MAXIMUM (DBA)	AVERAGE (DBA)
1	College main out gate	60	41.5	73.5	57.6
2	Parking area	60	43	60.3	51.66
3	Administrative block	60	40.3	71.4	55.84
4	Canteen	60	48.7	66.9	56.7
5	Main block	60	48	74	62
6	Ladies hostel	60	46	68	57
7	Sports ground	60	50.5	75.6	63.06
8	College main in gate	60	52	72	62


Checked by
Shiva Srikrishna, Asst. Prof.


Authorized Signatory
Dr. D. Venkata Ramana, Prof.


Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

STATEMENT OF FINANCIAL POSITION

Assets	Liabilities
Current Assets	Current Liabilities
Cash	Accounts Payable
Accounts Receivable	Accrued Expenses
Prepaid Expenses	Deferred Revenue
Other Current Assets	Other Current Liabilities
Non-Current Assets	Non-Current Liabilities
Property, Plant, and Equipment	Long-Term Debt
Intangible Assets	Other Non-Current Liabilities
Other Non-Current Assets	Other Non-Current Liabilities

ASSETS	LIABILITIES
Cash	Accounts Payable
Accounts Receivable	Accrued Expenses
Prepaid Expenses	Deferred Revenue
Other Current Assets	Other Current Liabilities
Property, Plant, and Equipment	Long-Term Debt
Intangible Assets	Other Non-Current Liabilities
Other Non-Current Assets	Other Non-Current Liabilities

Prepared by: [Name]

Reviewed by: [Name]

100-2nd Dist. P.O. Box 100
 Springfield, Colorado 81082
 (303) 733-1000

WATER ANALYSIS REPORT OF SCOP



Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301

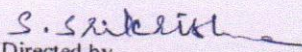
WATER ANALYSIS REPORT OF SCOPE


Physiology
Sanskrit College of Pharmacy
Kondapur(V), Chhatrapati
Masturji, Shivajinagar

Green Audit Report, SCOP-2019

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.			
Water Consumption Details at SCOP Campus			
Month	Consumption Details for 2016-17 (Liters in Lakhs)	Consumption Details for 2017-18 (Liters in Lakhs)	Consumption Details for 2018-19 (Liters in Lakhs)
January	2.1	2.3	2.0
February	2.4	2.1	2.3
March	2.1	2.2	2.0
April	2.5	2.0	2.5
May	2.2	2.3	2.2
Jun	2.1	2.4	2.1
July	2.5	2.3	2.5
August	2.3	2.5	2.3
September	2.2	2.4	2.2
October	2.1	2.0	2.1
November	2.1	2.1	2.0
December	2.1	2.2	2.0

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.			
Water Collection Details at SCOP Campus			
Month	Collection Details for 2016-17 (Liters in Lakhs)	Collection Details for 2017-18 (Liters in Lakhs)	Collection Details for 2018-19 (Liters in Lakhs)
January	2.7	2.7	2.7
February	2.7	2.6	2.5
March	2.5	2.5	2.6
April	2.7	2.8	2.7
May	2.6	2.7	2.5
June	2.7	2.8	2.7
July	2.8	2.9	2.9
August	2.5	2.6	3
September	2.8	2.7	2.8
October	2.7	2.6	2.9
November	2.6	2.8	2.6
December	2.8	2.9	2.7


Directed by
Shiva Srikrishna, Asst. prof.


Authorized Signatory
Dr. D. Venkata Ramana, Prof.



Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Part I Information on Recipient of Dividend

1. Name of Recipient (Print or Type)

Month	Year	Dividend	Other Income	Total
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
Total				

Part II Information on Recipient of Dividend

2. Name of Recipient (Print or Type)

Month	Year	Dividend	Other Income	Total
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
Total				

Prepared by: [Name]

Prepared by: [Name]

Prepared by: [Name]
 Company College of Pharmacy
 Kandy (V) University (Sri Lanka)
 Kandy 2017

Green Audit Report, SCOP-2019

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR (V), GHATKESAR.
BORE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.24.2019
Sample collected by	B.Pharm final year students
Sample collection Date	09.19.2019
Sample Description /Code	Bore Water

S.NO	Parameter	Unit	Method	Result	IS 10500 limits	
					Acceptable	Permissible
1	pH		APHA 23 RD EDITION, 4500 H+B	6.75	65.65	No Relaxation
2	Turbidity	NTU	APHA 23 RD EDITION, 2130 B	2	2	2
3	Conductivity	μMho/cm	APHA 23 RD EDITION, 2510 B	3054		
4	Total dissolved Solids	mg/L	APHA 23 RD EDITION, 2540 B	1985	500	2000
5	Colour	CU	APHA 23 RD EDITION, 2120 B	<5	5	15
6	Odor			Agreeable	Agreeable	Agreeable
7	P.Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	<5		
8	Alkalinity as CaCO ₃	mg/L	APHA 23 RD EDITION, 2320 B	453	200	600
9	Total Hardness as CaCO ₃	mg/L	APHA 23 RD EDITION, 2340 B	543	200	600
10	Calcium as Ca	mg/L	APHA 23 RD EDITION, 3500 B	111	75	200
11	Magnesium as Mg	mg/L	APHA 23 RD EDITION, 3500 B	14	55	100
12	Sodium as Na	mg/L	APHA 23 RD EDITION, 3500 B	321		
13	Potassium as K	mg/L	APHA 23 RD EDITION, 3500 B	191		
14	Chloride as Cl	mg/L	APHA 23 RD EDITION, 4500 B	10.2	250	400
15	Sulphates as SO ₄ ⁻²	mg/L	APHA 23 RD EDITION, 4500 B	0.8	200	No Relaxation
16	Nitrate Nitrogen as N	mg/L	APHA 23 RD EDITION, 4500 B	<0.3	45	2.5
17	Flourides as F	mg/L	APHA 23 RD EDITION, 2500 B	<0.1	1	No Relaxation
18	Iron as Fe	mg/L	APHA 23 RD EDITION, 3500 B	<0.001	0.3	0.3
19	Manganese as Mn	mg/L	APHA 23 RD EDITION, 5530 B	<0.01	0.1	0.002
20	Phenols Compounds	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.001	No Relaxation
21	Cromium as Cr ⁺	mg/L	APHA 23 RD EDITION, 2130 B	<0.01	0.05	3
22	Residual Chlorine as CL	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.2	No Relaxation
23	Total cyanide	mg/L	APHA 23 RD EDITION, 3111 B	<0.01	0.005	1.5
24	Copper as Cu	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.005	No Relaxation
25	Cadmium as Cd	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.003	1.5
26	Zinc as Zn	mg/L	APHA 23 RD EDITION, 3111B	<0.5	5	No Relaxation
27	Lead as Pb	mg/L	APHA 23 RD EDITION, 3111B	<0.01	0.01	400

S. Srikrishna
Directed by
Shiva Srikrishna, Asst.prof.

Dr. D. Venkata Ramana
Authorized Signatory
Dr. D. Venkata Ramana, Prof.

Dr. D. Venkata Ramana

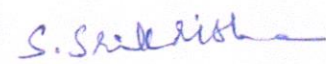
Principal


**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

SAMSKRUTI COLLEGE OF PHARMACY, KONDAPUR(V), GHATKESAR.
WASTE WATER DETAILS AT SCOP CAMPUS

Date of Report	09.24.2019
Sample collected by	B.Pharm Final Year Students
Sample collected Date	09.19.2019
Sample Description/Code	Waste Water

S.NO	Parameter	Method	Unit	Result
1	Ph	APHA 23 RD Edition 4500 H + B		7.20
2	Total Dissolved Solids	APHA 23 RD Edition 2504 C	mg/l	705
3	Total Suspended solids	APHA 23 RD Edition 2504 D	mg/l	71
4	Chemical Oxygen Demand as COD	APHA 23 RD Edition 5220 B	mg/l	61
5	Biological Oxygen Demand as BOD	IS : 3025(Part-44) : 2009	mg/l	21
6	Oil & Grease	APHA 23 RD Edition 5520 B	mg/l	<7


Checked by
Shiva Srikrishna, Asst. Prof.


Authorized Signatory
Dr. D. Venkata Ramana, Prof.



Principal
Samskruti College of Pharmacy,
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

INSTRUCTIONS FOR BENEFICIARIES OF IRAs

Beneficiary	Beneficiary's Age	Beneficiary's Life Expectancy	Beneficiary's Death Date	Beneficiary's Distribution
Spouse	At least 50	Life expectancy of the spouse	At the death of the decedent	Spouse's life expectancy distribution
Child	At least 21	Life expectancy of the child	At the death of the decedent	Child's life expectancy distribution
Other	At least 21	Life expectancy of the beneficiary	At the death of the decedent	Beneficiary's life expectancy distribution

Additional instructions regarding beneficiary designations and distributions from IRAs.

Section 401(a)(9) of the Internal Revenue Code
 Roubidoux, Illinois
 Medical Unit 824-8073

Common Water tank



Water harvesting Pit

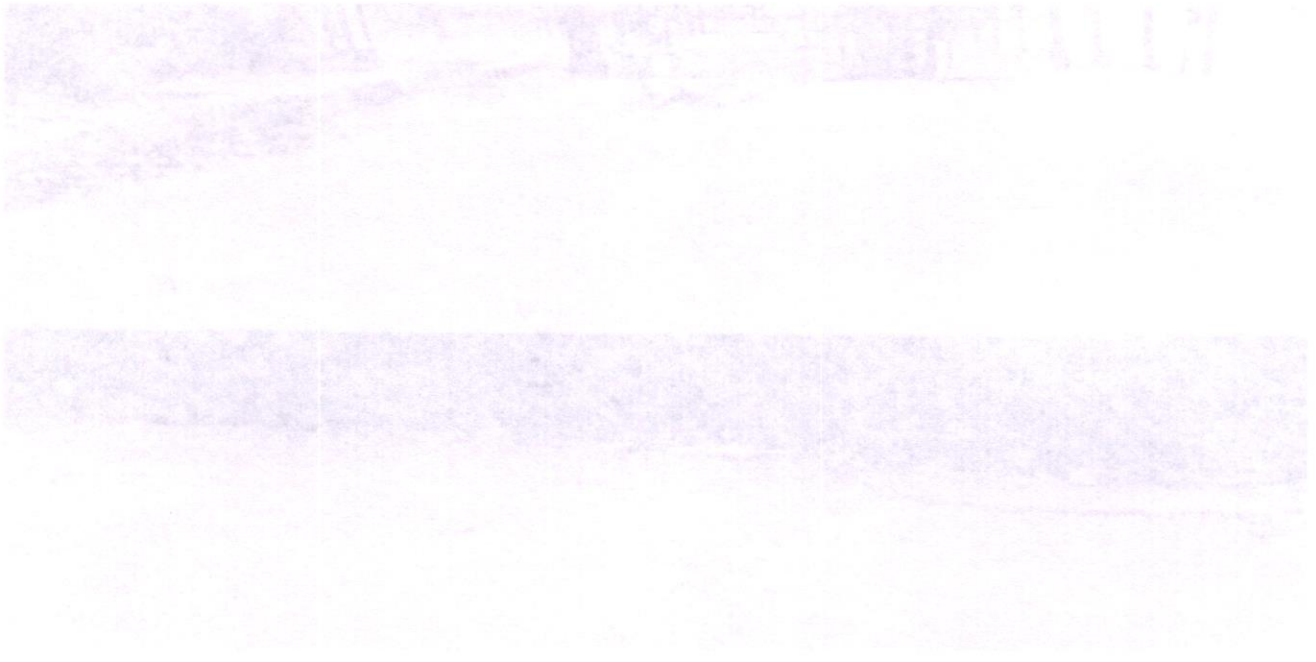


Water Conservation facilities available in the Institution

Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

Figure 2.10: Rain



Water Harvesting III



Water Conservation facilities available in the Institution

Green Audit Report, SCOP-2019

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.			
<u>Water Consumption Details at SCOP Campus</u>			
Month	Consumption Details for 2016-17 (Liters in Lakhs)	Consumption Details for 2017-18 (Liters in Lakhs)	Consumption Details for 2018-19 (Liters in Lakhs)
January	2.1	2.3	2.0
February	2.4	2.1	2.3
March	2.1	2.2	2.0
April	2.5	2.0	2.5
May	2.2	2.3	2.2
Jun	2.1	2.4	2.1
July	2.5	2.3	2.5
August	2.3	2.5	2.3
September	2.2	2.4	2.2
October	2.1	2.0	2.1
November	2.1	2.1	2.0
December	2.1	2.2	2.0



Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Department of Finance & Accounting (F&A)

Table 1: Comparison of Budget vs Actual

Category	Budget for 2016-17 (in Lakhs)	Actual for 2016-17 (in Lakhs)	Variance (in Lakhs)
Salaries	150	145	5
Grants	200	200	0
Capital Expenditure	100	100	0
Operating Expenses	150	155	5
Interest	50	50	0
Depreciation	30	30	0
Other Income	20	20	0
Reserve	10	10	0
Provision	5	5	0
Contingency	5	5	0
Other	5	5	0
Total	580	580	0

Director
 Department of Finance & Accounting
 Government of Karnataka

Samskruti College of Pharmacy, Kondapur (V), Ghatkesar.			
<u>Water Collection Details at SCOP Campus</u>			
Month	Collection Details for 2016-17 (Liters in Lakhs)	Collection Details for 2017-18 (Liters in Lakhs)	Collection Details for 2018-19 (Liters in Lakhs)
January	2.7	2.7	2.7
February	2.7	2.6	2.5
March	2.5	2.5	2.6
April	2.7	2.8	2.7
May	2.6	2.7	2.5
June	2.7	2.8	2.7
July	2.8	2.9	2.9
August	2.5	2.6	3
September	2.8	2.7	2.8
October	2.7	2.6	2.9
November	2.6	2.8	2.6
December	2.8	2.9	2.7


Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Annual Report of the County Board of Health

Water Collection from the City of Chicago

Month	Collection from the City of Chicago (liters in 1917)	Collection from the City of Chicago (liters in 1918)	Collection from the City of Chicago (liters in 1919)
January	1,200,000	1,150,000	1,100,000
February	1,100,000	1,050,000	1,000,000
March	1,300,000	1,250,000	1,200,000
April	1,400,000	1,350,000	1,300,000
May	1,500,000	1,450,000	1,400,000
June	1,600,000	1,550,000	1,500,000
July	1,700,000	1,650,000	1,600,000
August	1,800,000	1,750,000	1,700,000
September	1,700,000	1,650,000	1,600,000
October	1,600,000	1,550,000	1,500,000
November	1,500,000	1,450,000	1,400,000
December	1,400,000	1,350,000	1,300,000


 J. J. [Name]
 County Board of Health
 Medical Dept. 511-50101

WASTE DISPOSAL AT SCOP



Principal
Samskruti College of Pharmacy,
Kondapur(V), Ghatkesar(M),
Medhga Dist. PIN-501301

Waste Management

Solid waste management:

Solid waste is collected from class rooms and labs every morning by housekeeping staff in separate containers and assembled at the waste yard marked as compost pit at extreme end of the campus. Here the dry waste including paper/plastics etc. is segregated and sent in vans to recyclable joints and/or Municipal Corporation dump yard. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items. Many of our students are encouraged for making best from waste items by using plastic bottles etc. In our college campus NO PLASTIC sign boards and flexes are available to encourage students and staff not to use plastic item.



The solid waste generated in the campus includes wrappers, glass, metals, paper, plastics, etc. Old newspapers, used papers, workshop scrap etc. are picked up by Ghatkesar municipality and moved to dump yard for recycling or other purpose. Glass, metals, plastic and other non-biodegradable wastes are given to Ghatkesar Municipality Corporation where they are segregated and disposed/ recycled according to the nature of the waste.

College adopts almost paperless concept by digitization of office procedures through electronic means via whatsapp groups, emails etc. thus, reducing paper-based waste and reduce carbon dioxide emissions. Some announcements were made using whatsapp groups to the students. Power Point presentations are also shared to student's whatsapp groups by the faculty members to reduce the wastage in paper printing as well as expenses. Use of paper printed on one side is encouraged in print drafts before final document, meeting minutes, memos and notes in office practices as environmentally preferred alternative to waste management. Biodegradable kitchen waste from mess and cafeteria is collected in separate bins. Horticultural waste such as dried leaves, twigs and plant clippings are collected from all around the campus and used for bin composting. Dustbins have been installed through out the campus for waste segregation.

Handwritten signature in blue ink.

Green Audit Report, SCOP-2019

Students are encouraged to use waste paper and newspaper in creative practices during various extracurricular activities.

Reducing Plastic Usage: Now a days the usage of plastic has increased, which is a great problem to the environment as it takes hundreds of years for the waste plastic to decompose. Though govt. has planned to stop the usage of plastic bags the implementation of the same has become a major challenge for the government as there is very little awareness on the problems of plastic usage in general public. So, it is our duty to reduce the usage of plastic by spreading awareness on the problems associated with plastic use. Thus, our students have took up this as challenge and started an awareness program to reduce the plastic usage. Under this activity we visited some of the streets and made people aware of how we are damaging environment by usage of plastic items.

Liquid Waste Management:

Liquid waste is generated from Science laboratories and canteen. Liquid wastes generated are of two types:

- Sewage Waste
- Laboratory and canteen effluent.

The liquid wastes are mainly drained to improve the ground level of water.

Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Lab In-charge and lab-assistant takes care of the chemicals and safety norms in the laboratory are strictly followed. Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals. The chemicals are wisely utilized for the batches of students in morning and afternoon under the guidance of faculty. Water for washing and rinsing of glassware for cleaning is done with regular water in low amounts. The Chemicals used in the experiments are diluted and after usage the chemical waste gets mixed with routine waste water.

E-waste management:

Electronic goods are put to optimum use; the minor repairs are set right by the laboratory assistants and the major repairs are handled by the support of technical assistants. The equipment which cannot be refurbished for re-use is dismantled and labelled as e-waste. Input devices like keyboards which are of no use are utilized by students for their typing practice and teaching in a very basic level. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non-hazardous items are used by students for scrap art in extra-curricular activities.

Any other relevant information:

The institution conducts academic exhibition annually in the event of annual fest where the participants from other colleges are invited. As a part of annual fest and some other programs this, the students of the institution makes exhibits by using solid waste like papers, water

Principal

*Chanskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist, PIN 501301*

Green Audit Report, SCOP-2019

bottles, iron pieces, rubbers and other e – waste like tube lights, bulbs, etc.

Also the institution held various events like scrap art, face painting etc. on the eve of National Pharmacy week celebrations.



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

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Additional information is available on the following pages.

1998-1999 Annual Report of OIP 2019
The following information is provided for your information only. It is not intended to be used for any other purpose.

TRANSPORTATION



Principal

Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

TRANSPORTATION


Principles
Samarit College of Pharmacy
Kondapur(V), Krishna(M)
Medical Dist. 512 50101



College bus Parking Place at SCOP



First Aid Box in the College Bus


Principal
Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M).
Medchal Dist. PIN-501301



College bus Parking Place in SCOP



First Aid Box in the College Bus

Principal
Sankruth College of Pharmacy
Kondanur, Chikmagalur (M)
Mobile Dist. PIN-591301



Pedestrian friendly pathways at SCOP



Pedestrian friendly pathways at SCOP

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**



Figure 1: Histological section of the specimen.



Figure 2: Histological section of the specimen.

Author

Samuel R. Gandy, MD, PhD
Department of Pathology
Medical Center, Box 353000



Car Parking Place at SCOP



Bicycle Parking at SCOP

Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**



Car Parking Place at SCOP



Vehicle Parking at SCOP

Prakash
Samarth College of Pharmacy
Kondapur, Ghatakpur,
Medina Dist. 514-0101

ELECTRICAL ENERGY CONSUMPTION AT SCOP



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M).
Medchal Dist. PIN-501301**

ELECTRICAL ENERGY CONSUMPTION AT SCOP

Principal
Sri Lanka College of Pharmacy
Kandyan(V), Galle (M)
Postal Code: 81101


ELECTRICAL CONSUMPTION OF SCOP (2015-2019)						
S.NO	Month	2015	2016	2017	2018	2019
1	January	7620	8300	8,440	5,809	8,406
2	February	9660	10380	9,680	14,677	10,863
3	March	9820	12880	12,280	12,819	13,122
4	April	12060	14320	14,140	11,478	16,546
5	May	12840	11580	10,850	11,699	15,897
6	June	11560	10680	9,150	14,263	11,850
7	July	9600	11980	6,201	12,879	16,366
8	August	10820	10942	10,468	15,899	15,805
9	September	11540	10398	9,214	18,005	16,368
10	October	10900	8012	9,160	12,253	11,170
11	November	9320	9508	8,797	13,306	12,395
12	December	9100	8940	9,285	11,950	12,326
Total (Kwh)		124,840	127,920	117,665	155,037	161,114

Principal

Samskruti College of Pharmac,
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

ELECTRICAL CONSUMPTION OF SCOP (2018-2019)

Sl. No.	Month	2018	2017	2018	2019
1	January	7250	8340	8300	8448
2	February	9800	10580	10580	10784
3	March	9820	12580	12580	13152
4	April	13000	14120	14120	16344
5	May	12830	11820	10820	12367
6	June	11580	10330	9130	11880
7	July	9800	11880	8794	16266
8	August	10820	10942	10402	12802
9	September	11240	10220	9214	16368
10	October	10930	8012	9120	11120
11	November	9320	9208	8794	12392
12	December	9100	8080	8382	12320
	Total (Year)	124840	127920	117662	141114


Principal
 Sanyal College of Pharmacy
 Kanchpur(V), Gwalior(M.P.)
 Phdolan No. 214-80-007

SOLAR ENERGY GENERATION IN SCOP

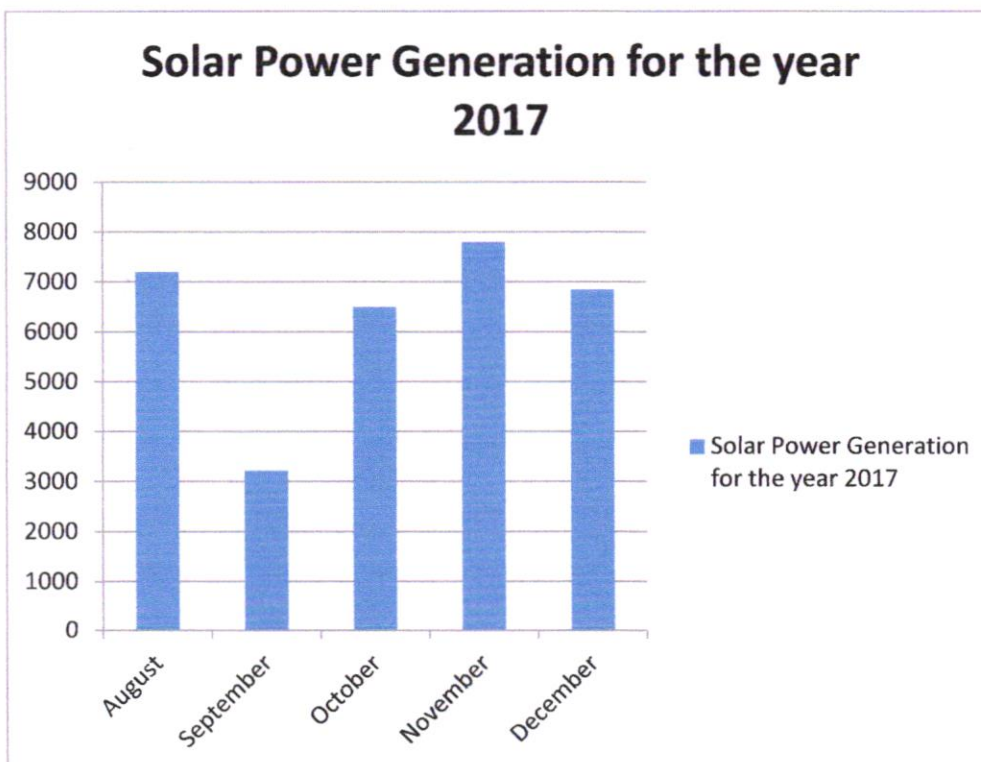


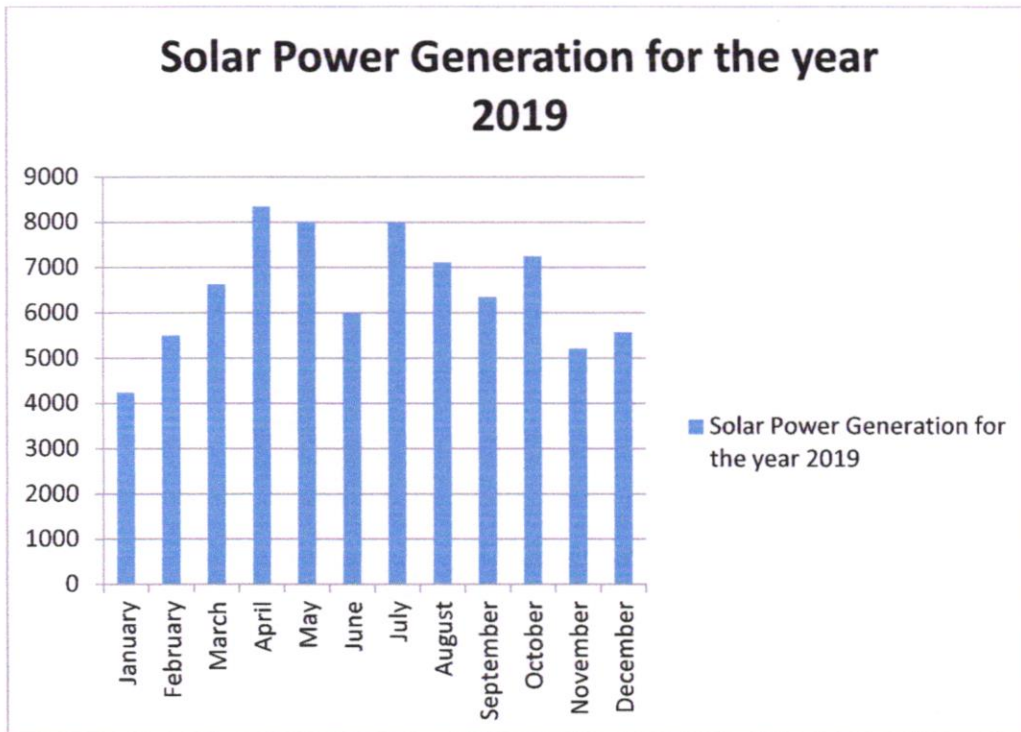
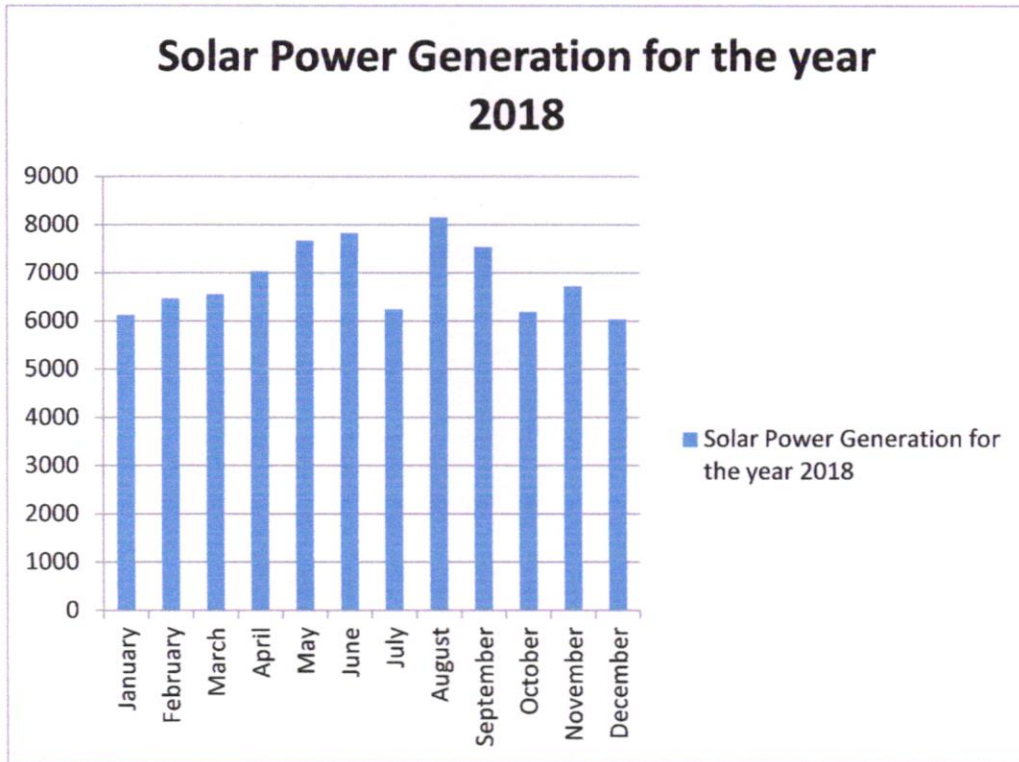
**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

GENERATION IN SCOP SOLAR ENERGY

2019-2020
Savitribi College of Pharmacy
Rondeshwar (W),
Wardha Dist. Pin-431001

Solar Generation in units (KWh)				
S.NO	Month	2017	2018	2019
1	January	Nil	6128	4248
2	February	Nil	6472	5512
3	March	Nil	6562	6636
4	April	Nil	7035	8348
5	May	Nil	7671	8018
6	June	Nil	7837	6007
7	July	Nil	6245	8004
8	August	7200	8154	7118
9	September	3220	7543	6352
10	October	6500	6196	7255
11	November	7800	6726	5214
12	December	6843	6036	5573
Total (Kwh)		31,563	82,605	78,285





Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Solar Power Generation for the year 2018

Solar Power Generation for the year 2018



Solar Power Generation for the year 2019

Solar Power Generation for the year 2019



Principal
 Samkhi College of Pharmacy
 Kanchanvi (Golkaratti)
 Medical Dist. Bidar-581101

ENERGY CONSUMPTION AND EXPORT



Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

ENERGY CONSUMPTION AND EXPORT

Principal
Sriharini College of Pharmacy
Kondanur, Coimbatore (M),
Medical Dist. PIN-561307

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2017

S.no	Month	Total Units Generated by solar plant(30days)	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	NIL	NIL	NIL	8440	8440
2	February	NIL	NIL	NIL	9680	9680
3	March	NIL	NIL	NIL	12280	12280
4	April	NIL	NIL	NIL	14140	14140
5	May	NIL	NIL	NIL	10850	10850
6	June	NIL	NIL	NIL	9150	9150
1	July	NIL	NIL	NIL	6201	6201
2	August	7200	2156	5044	5424	10468
3	September	3220	1527	1693	7521	9214
4	October	6500	2355	4145	5015	9160
5	November	7800	2636	5164	3633	8797
6	December	6843	1865	4978	4307	9285
Total (KWh)		31563	10539	21024	96641	117665



Principal

**Samskruti College of Pharmacy
Kondapur(V). Ghatkesar(M),
Medchal Dist. PIN-501301**

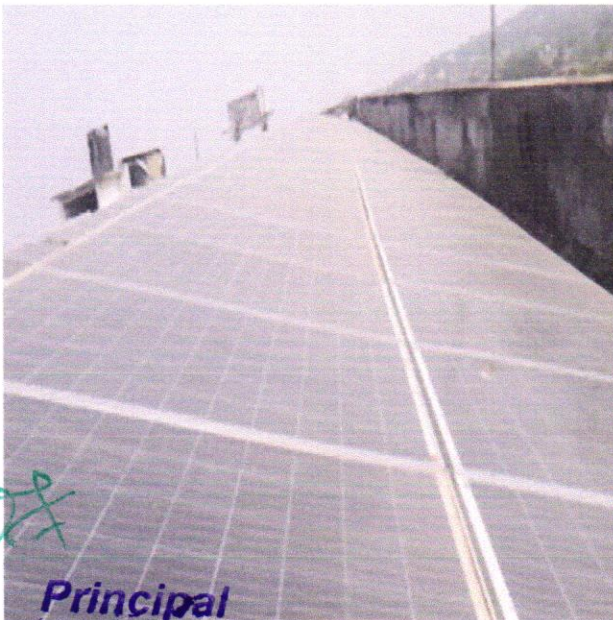
Table 1: Summary of Data for the Year 2017

Month	Total Value (Sum of all items)	Total Value (Sum of all items)	Total Value (Sum of all items)	Total Value (Sum of all items)	Total Value (Sum of all items)
Jan	100000	100000	100000	100000	100000
Feb	150000	150000	150000	150000	150000
Mar	200000	200000	200000	200000	200000
Apr	250000	250000	250000	250000	250000
May	300000	300000	300000	300000	300000
Jun	350000	350000	350000	350000	350000
Jul	400000	400000	400000	400000	400000
Aug	450000	450000	450000	450000	450000
Sep	500000	500000	500000	500000	500000
Oct	550000	550000	550000	550000	550000
Nov	600000	600000	600000	600000	600000
Dec	650000	650000	650000	650000	650000
Total	4000000	4000000	4000000	4000000	4000000

Principal
 St. Lawrence College of Pharmacy
 1000000
 Medical College of Pharmacy

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2018

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	6128	2992	3136	2673	5809
2	February	6472	1171	5301	9376	14677
3	March	6562	1132	5430	7389	12819
4	April	7035	1516	5519	5959	11478
5	May	7671	1462	6209	5490	11699
6	June	7837	1162	6675	7588	14263
7	July	6245	695	5550	7329	12879
8	August	8154	851	7303	8596	15899
9	September	7543	781	6762	11243	18005
10	October	6196	2084	4112	8141	12253
11	November	6726	1272	5454	7852	13306
12	December	6036	1054	4982	6968	11950
Total (KWh)		82605	16172	66433	88604	155037

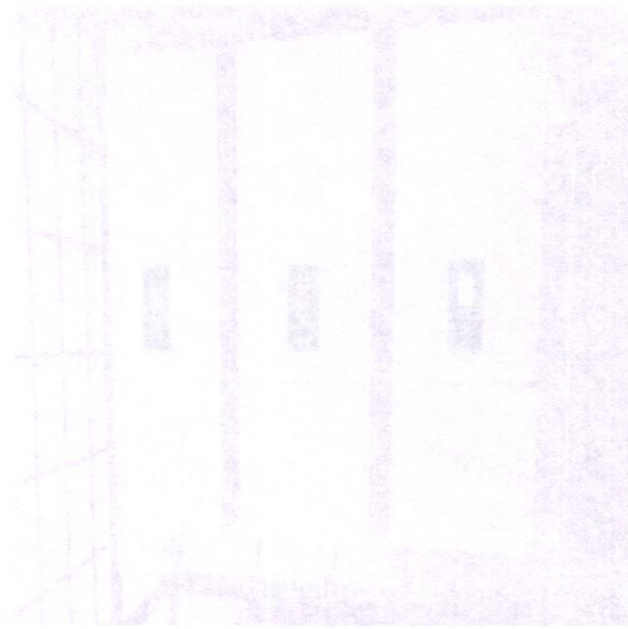


Principal

**Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301**

Table 1: Energy consumption & related costs from TSEB for FY 2018

Sl. No.	Month	Total Units Consumed by college	Total Units Purchased from TSEB	Total Units Consumed from solar plant	Estimated units to Grid	Total Units Consumed by solar plant	Month
1	January	1200	1200	0	0	1200	1
2	February	1500	1500	0	0	1500	2
3	March	1200	1200	0	0	1200	3
4	April	1100	1000	100	100	1000	4
5	May	1000	900	100	100	900	5
6	June	1400	700	700	700	700	6
7	July	1200	500	700	700	500	7
8	August	1200	400	800	800	400	8
9	September	1200	400	800	800	400	9
10	October	1200	400	800	800	400	10
11	November	1200	400	800	800	400	11
12	December	1200	400	800	800	400	12
	Total	12000	8000	4000	4000	8000	



Principal
 Government College of Pharmacy
 Kondanur, Tal. Gundlupet, Dist. Channarayana
 Medical Dist. Pin-501002

Solar Plant Exported Units & Imported Units from TSSPDCL for The Year 2019

S.no	Month	Total Units Generated by solar plant	Exported units to Grid	Total Units Consumed from Solar plant	Total Units Imported from TSSPDCL	Net units consumed by the college
1	January	4248	2151	2097	6309	8406
2	February	5512	1305	4207	6656	10863
3	March	6636	923	5713	7409	13122
4	April	8348	1401	6947	9599	16546
5	May	8018	1002	7016	8881	15897
6	June	6007	1199	4808	7042	11850
7	July	8004	321	7683	8683	16366
8	August	7118	738	6380	9425	15805
9	September	6352	701	5651	10717	16368
10	October	7255	1713	5542	5628	11170
11	November	5214	621	4593	7802	12395
12	December	5573	720	4853	7473	12326
Total (KWh)		78285	12795	65490	95624	161114

In addition to making Environmental Studies a very vital subject in our syllabus, SCOP has gone a step further by putting that theory into practice. The energy from this solar installation is helping offset the institute's daytime peak electricity demand from the grid. SCOP with the installation of 64KWp solar rooftop plant and was able to offset 50% of its energy usage from the state grid thus moving towards a more reliable and greener option and reducing its carbon footprint.

The rise in global temperatures year after year poses an existential threat to the planet. The global leaders and the United Nations (UN) have been showing great concerns in various summits and conferences about measures, international laws and agreements to sustainable development and environmental conservation. No wonder, ignorance of this may result in fatal natural disasters, economic bottlenecks resulting in endangered inhabitation. The management and the administration of Samskruti College of Pharmacy in pursuance of "Going towards green" has established a Grid tied solar project to meet the electrical power requirements of the college and to preserve natural resources for current and future generations.

Solar Panel Exported Units & Imported Units from FY2021 for The Year 2019

Year	Month	Total Units Generated by solar panel	Exported units to Grid	Total Units Consumed from solar panel	Total Units imported from FSTDC	Net units consumed by the college
1	January	4138	215	2097	2109	2406
2	February	3812	1203	1302	4639	10863
3	March	6636	92	2717	2439	1712
4	April	4348	1401	6843	2934	1679
5	May	8016	1902	7918	8881	1497
6	June	4007	1199	4808	3042	1119
7	July	8004	201	2003	6682	2679
8	August	5118	238	4980	6129	1061
9	September	6951	201	3081	10117	3466
10	October	2388	1210	4512	2028	1119
11	November	2014	61	446	2862	119
12	December	2012	221	4853	2423	119
Total/Year		78888	1272	42860	98124	2812

The main objective of this project is to reduce the electricity consumption of the college and to generate solar energy for the college. The project is a part of the college's green building initiative. The project is a part of the college's green building initiative. The project is a part of the college's green building initiative. The project is a part of the college's green building initiative.

The main objective of this project is to reduce the electricity consumption of the college and to generate solar energy for the college. The project is a part of the college's green building initiative. The project is a part of the college's green building initiative. The project is a part of the college's green building initiative. The project is a part of the college's green building initiative.

Signature
 Head of Institution
 Government College of Pharmacy
 Kumbhariya, Gandhinagar
 Medical College, P.M. 301 301

Green Audit Report, SCOP - 2019

The total capacity of the installation is 64 KWp (kilowatt 'peak' power output) which was established with an initial cost of 41.6lakhs. A total of 204 multi crystalline panels each with 315Wp were installed on rooftops of Engineering college building. The inverter network comprises of 3 units with 25 KVA capacity. The following show typical panel installation.

Even for power failures, solar plant is generating the power with the help of PV_DG Controller. It controls the solar power generation from 1% to 100% as per the load requirement by maintaining spinning reserve of DG at about 25-30%. Apart from this, a 20KVAR APFC panel has installed at incoming main busbar to maintain Unity Power Factor throughout a day.

In future, the college is planning to be self-sufficient for its electrical power requirements by introducing energy efficient lamps, fans and solar streetlights for contributing to the sustainable development and environmental conservation.



Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist PIN: 501301

**EXPENDITURE ON
GREEN
INITIATIVES
DURING THE
LAST FIVE YEARS**



Principal

**Samskruti College of Pharmacy
Kondapur(V), Chhatkesar(M),
Medchal Dist. PIN-501301**

EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS

Principal
Savitri College of Pharmacy
Kondhwa, (Wardha),
Medical Dist. PIN-501301

EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FIVE YEARS

Financial Year	Garden Maintenance (Rs)	Purchase of LED's (Rs)	Renewable sources (Solar lamps) (Rs)	Total (Rs.)
2014 - 2015	94,737/-			94,737/-
2015 - 2016	49,465/-			49,465/-
2016 - 2017	46,750/-			46,750/-
2017 - 2018	1,40,400/-			1,40,400/-
2018 - 2019	1,44,200/-			1,44,200/-

-----THE END-----



Principal
Samskruti College of Pharmacy
Kondapur(V), Ghatkesar(M),
Medchal Dist. PIN-501301

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Energy Management System in accordance with

ISO 50001:2011

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181201-EM

Certificate Number

31 December 2018

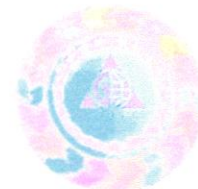
Date of Last Issue

31 December 2018

Date of Initial Registration

30 December 2019

Date of Expiry



Certificate is Valid for 3 Years (31.12.2018 to 30.12.2021) From the
Date of Initial Registration. Upon Successful Completion of Surveillance
Audit New Certificate With an Extended Validity will be issued.


Signed on behalf of GMCSPL.

Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matruri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.
www.mcsglobal.in, E.mail:info@mcsglobal.in

Accredited by: Quality Accreditation Council, Accreditation No.116102, www.qacin.org
This certificate is the property of GMCSPL, and shall be returned upon request by GMCSPL
The Registration does not assure the quality of yields under the firm's production.

Principal

Samskruti College of Pharmacy

Kondapur (V), Ghatkesar (M),
Medchal Dist. PIN-501301

F-50 (Version 4.00, 28.08.2017)

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies an Environmental Management System in accordance with

ISO 14001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community
and patient health care and indulging in research and development
for future growth of pharmacy profession.

181202-E

Certificate Number

31 December 2018

Date of Last Issue

31 December 2018

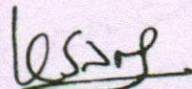
Date of Initial Registration

30 December 2019

Date of Expiry



Certificate is Valid for 3 Years (31.12.2018 to 30.12.2021) From the
Date of Initial Certification. Upon Successful Completion of Surveillance
Audit New Certificate With an Extended Validity will be issued.


Signed on behalf of GMCSPL

Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matrueri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.
www.mcsglobal.in, E.mail:info@mcsglobal.in

Accredited by: Quality Accreditation Council, Accreditation No.:116102, www.qacin.org

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F-50 (Version 4.00, 28.08.1

Principal

Samskruti College of Pharmacy
Kondapur (V), Ghatkesar (M),
Medchal Dist. PIN-501301

Scanned with ACE Scanner

Certificate of Registration

GMCSPL hereby certify that the organization

SAMSKRUTI COLLEGE OF PHARMACY

Kondapur, Ghatkesar, Medchal Malkajgiri District,
Telangana- 501301

Has established and applies a Quality Management System in accordance with

ISO 9001:2015

For the scope of activities :

Provision of quality pharmacy education focussing on community and patient health care and indulging in research and development for future growth of pharmacy profession.

181207-Q
Certificate Number


31 December 2018
Date of Last Issue

31 December 2018
Date of Initial Registration

30 December 2019
Date of Expiry



Certificate is Valid for 3 Years (31.12.2018 to 30.12.2021) From the Date of Initial Registration. Upon Successful Completion of Surveillance Audit New Certificate With an Extended Validity will be issued.


Signed on behalf of GMCSPL

Global Management Certification Services Pvt.Ltd.

#402, Plot No.410, Matrusrri Nagar, Miyapur, Serilingampally, Hyderabad - 500 049, India.
www.mcsglobal.in, E.mail:info@mcsglobal.in

Accredited by: Quality Accreditation Council, Accreditation No.116102, www.qacin.org
This certificate is the property of GMCSPL, and shall be returned upon request by GMCSPL
The Registration does not assure the quality of yields under the firm's production.

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Principal

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