



**7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The Institutional environment and energy initiatives are confirmed through the following**

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**



Sri Sri Sri Mookambika Educational Society`s  
**VAAGDEVI INSTITUTE OF TECHNOLOGY & SCIENCE**  
Peddasettipalli (V), Proddatur - 516360  
(Approved by A.I.C.T.E., New Delhi, Affiliated to JNTUA, Anantapuram)



## **Green audit / Environment audit**

# GREEN AUDIT REPORT 2022

## Vaagdevi Institute of Technology & Science



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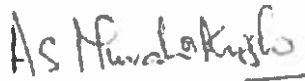
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## **INTRODUCTION:**

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyse environmental practice within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is a valuable means for a college to determine how and where they are using the most energy or water or other resources; 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 staff and students better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self-enquiry is a natural and necessary outgrowth of a 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 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 CO<sub>2</sub> from the environment. The National Assesstment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should subunit 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.

## **OBJECTIVES:**

In recent time, the Green Audit of an institution has been becoming a paramount important 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 the 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, Polices & standards.

- To map Geographical Location of the college
- To document the floral and faunal diversity of the college
- To record the metrological parameter of VITS where college is situated
- 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

## **METHODOLOGY:**

The purpose of the green audit of VITS 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, observations and review of the documentation and data analysis.

## **ABOUT THE COLLEGE:**

We take the pleasure to apprise you that, Vaagdevi Institute Technology & Science Institution is maintained under Vaagdevi of Institutions by G.Hussain Reddy, Chairman who began the journey as an educationalist to form the bridge between society, industry and academics. He has been in the field of education for the last 20 Years with the aim of spreading quality education in diverse fields such as Engineering & Management Education.

Faculty comprising of learned Academic institutions/Universities and reputed R&D Organizations. The senior professors explore the synergy of excellence in application-oriented teaching, research And consultancy experience in India and overseas. The college has state-of-art laboratories with Advanced hardware systems and software simulation tools to cater to the today's requirement of the Technology industry. The college has an excellent library facility with adequate number of volumes and journals to meet the student and faculty needs. It provides remote access to e - journals and e - books through remote log application. Digital library promotes e-learning among the staff and students. The college provides excellent sports and games facilities in cricket, basketball, volley ball and indoor games.

## **VISION & MISSION STATEMENT:**

### **OUR VISION**

"Our vision is to be a preeminent institution of engineering education and innovation, renowned for producing world-class engineers who lead technological advancements, drive economic growth, and solve global challenges."

### **OUR MISSION**

At 'Vaagdevi Institute of Technology & Science', our mission is to provide a transformative educational experience that equips students with the knowledge, skills, and values needed to excel as engineers and leaders in a rapidly evolving world. Through rigorous academic programs, state-of-the-art facilities, and hands-on learning opportunities, we empower our students to think critically, solve complex problems, and innovate with creativity and integrity. Committed to excellence, diversity, and inclusivity, we foster a culture of collaboration, curiosity, and lifelong learning, preparing our graduates to make meaningful contributions to society and shape the future of technology for the betterment of humanity.

### **GREEN AUDITING:**

The college has adopted the 'Green Campus' system for environmental conservation and sustainability. There are three main 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 CO<sub>2</sub> emission, energy and water use, while creating atmosphere where students can learn and be healthy.



## **LAND USE ANALYSIS, VITS (As on 05.02.2021)**

### **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 and 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. Land use map of the study area have been prepared using the above Three types of data with the help of ArcGis Prosoftware.

### **DATA PROCESSING AND ANALYSIS:**

Land use map preparation is executed through the following steps:

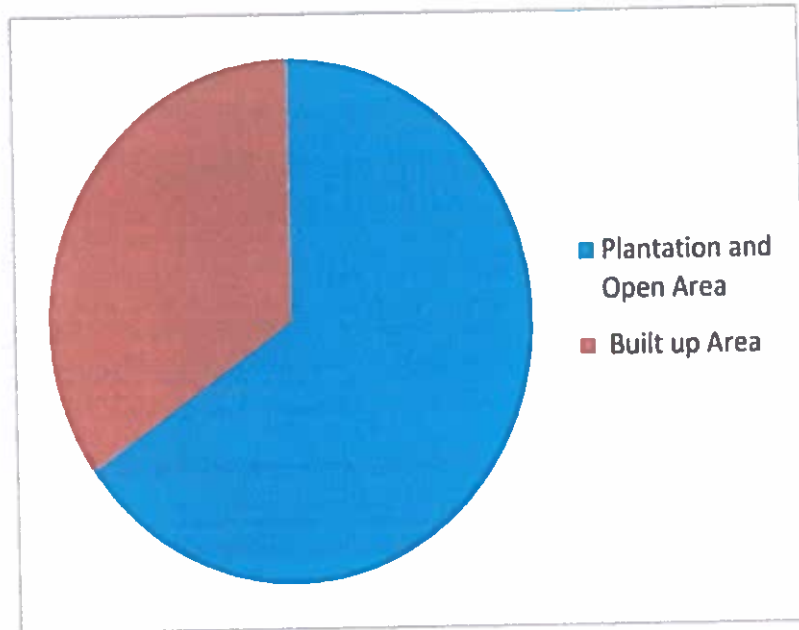
Acquisition of data (Location: 13.4276° N, 79.57364° E), Geo-coding and Geo referencing of satellite imageries by extracting the ground control points. Supervised classification was carried out with the aid of ground truth data collected during field survey. Scanning and digitization of maps and editing 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 use have been prepared.

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

### LAND USE DATA OF VITS,PRODDATUR

CATEGORIES OF LAND USE	AREA(In Acres)
PLANTATION AND OPEN AREA	19
BUILT UP AREA (INCLUDE ROADS)	10
TOTAL AREA	29

Land use Analysis,VITS



#### LAND USE (BUILT UP AREA) ANALYSIS:

The built up area of 35o/o consists of the following regions as stated below for land consumption in built up area of VITS The western region of VITS is densely built up having M Block (EEE and Examination Center)

M block with Principal office, Administrative Office and Electronic and communication Engineering Department (ECE). S block is totally allocated to first year students (First Year Block), CSE,

**Table: Area Occupied by Various Buildings at VITS**

	Class Room/Laboratory/Toilet, etc.)	(In m2)	of Flooring	of Walls and painting	Electrification and lighting
103B	Board Room	38.5	Ready	Ready	Ready
104P	Principal Directors Office	35.25	Ready	Ready	Ready
105O	Office All Inclusive	321.88	Ready	Ready	Ready
105S	Central Store	30	Ready	Ready	Ready
107E	Exam Control Office	56.96	Ready	Ready	Ready
201-B	Cabin for Head of Dept	12.87	Ready	Ready	Ready
201-C	Faculty Room	90.41	Ready	Ready	Ready
204Ea	Department Office	11.24	Ready	Ready	Ready
314P	Placement Office	51.63	Ready	Ready	Ready
316A	Housekeeping	15.6	Ready	Ready	Ready
316B	Pantry for Staff	15.5	Ready	Ready	Ready
401-A	Department Office	11.24	Ready	Ready	Ready
401-B	Cabin for Head of Dept	12.9	Ready	Ready	Ready
401-C	Faculty Room	160.06	Ready	Ready	Ready
501-A	Department Office	11.24	Ready	Ready	Ready
501-B	Cabin for Head of Dept	12.9	Ready	Ready	Ready
501-C	Faculty Room	100.06	Ready	Ready	Ready
B01-A	Department Office	11.24	Ready	Ready	Ready
Bsc-01	Cabin for Head of Dept	12.9	Ready	Ready	Ready
Bsc-02	Faculty Room	107.31	Ready	Ready	Ready
G2A	Maintenance	16.58	Ready	Ready	Ready
G2B	Security	15.91	Ready	Ready	Ready
G3	Reception Area	39.76	Ready	Ready	Ready
Mb-01	Cabin for Head of Dept	12.9	Ready	Ready	Ready
Mb-02	Faculty Room	30.17	Ready	Ready	Ready
Mb01-A	Department Office	11.24	Ready	Ready	Ready

## AMENITIES AREAs

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
121	Stationery Store	15.75	Ready	Ready	Ready
Canteen	Cafeteria	360.89	Ready	Ready	Ready
F-12	Toilet	175.7	Ready	Ready	Ready
G-12	Toilet	175.7	Ready	Ready	Ready
G1	Sports Club	67.05	Ready	Ready	Ready
M-123	First aid cum Sick Room	15.78	Ready	Ready	Ready
M-222	Boys Common Room	100.61	Ready	Ready	Ready
S-321	Girls Common Room	100.6	Ready	Ready	Ready
Sac	Student activity / GCR	66.75	Ready	Ready	Ready

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (In m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
101Ws	Workshop	243.26	Ready	Ready	Ready
103Cs	Laboratory	113.94	Ready	Ready	Ready
104Lab	Laboratory	87.38	Ready	Ready	Ready
106Mcl	Computer Laboratory	77	Ready	Ready	Ready
108Mb	Classroom	104.29	Ready	Ready	Ready
109Mb	Classroom	68.39	Ready	Ready	Ready
110Mb	Tutorial Room	33.42	Ready	Ready	Ready
110Sem	Seminar Hall	142.25	Ready	Ready	Ready
113T	Tutorial Room	33.51	Ready	Ready	Ready
118Ws	Additional Workshop	205.13	Ready	Ready	Ready
201Cs	Classroom	70.06	Ready	Ready	Ready
201Lab	Laboratory	105.37	Ready	Ready	Ready
202Cs	Classroom	70.06	Ready	Ready	Ready
202Lab	Laboratory	105.54	Ready	Ready	Ready
203Cs	Classroom	68.8	Ready	Ready	Ready
204Cs	Classroom	70.06	Ready	Ready	Ready
206Lab	Laboratory	134.87	Ready	Ready	Ready
207Ee	Classroom	69.64	Ready	Ready	Ready
208Cs	Laboratory	139.58	Ready	Ready	Ready
208Ee	Classroom	69.64	Ready	Ready	Ready
209Ee	Classroom	68.81	Ready	Ready	Ready
210 C	Classroom	67.02	Ready	Ready	Ready
210Ee	Classroom	70.88	Ready	Ready	Ready
211Ee	Classroom	69.64	Ready	Ready	Ready
212 C	Classroom	67.02	Ready	Ready	Ready
212Ee	Classroom	69.64	Ready	Ready	Ready
213Ec	Classroom	68.39	Ready	Ready	Ready
214Pg	Research Laboratory	68.55	Ready	Ready	Ready
215Ec	Classroom	69.64	Ready	Ready	Ready
216Pg	Research Laboratory	68.55	Ready	Ready	Ready
217Lab	Laboratory	175.17	Ready	Ready	Ready
218L	Laboratory	104.75	Ready	Ready	Ready
218Lab	Laboratory	105.54	Ready	Ready	Ready
301Dr	CAD Center	177.06	Ready	Ready	Ready
301Lab	Laboratory	105.37	Ready	Ready	Ready
302Ec	Classroom	67.02	Ready	Ready	Ready
303Ec	Classroom	68.98	Ready	Ready	Ready
305Ec	Classroom	67.02	Ready	Ready	Ready
305Sem	Seminar Hall	180.95	Ready	Ready	Ready
306Ec	Classroom	69.64	Ready	Ready	Ready
307Ec	Classroom	68.81	Ready	Ready	Ready

308Cs	Laboratory	139.58	Ready	Ready	Ready
308Ec	Classroom	70.88	Ready	Ready	Ready
309Ec	Classroom	69.64	Ready	Ready	Ready
310Sem	Seminar Hall	68.39	Ready	Ready	Ready
310T1	Classroom	33.6	Ready	Ready	Ready
310T2	Classroom	33.5	Ready	Ready	Ready
311Pt	Tutorial Rooms - PG	33.4	Ready	Ready	Ready
311T	Tutorial Room	33.4	Ready	Ready	Ready
312Sem	Research Laboratory	68.55	Ready	Ready	Ready
312T	Tutorial Room	35.88	Ready	Ready	Ready
313Sem	Seminar Hall	135.23	Ready	Ready	Ready
314T1	Tutorial Room	33.52	Ready	Ready	Ready
314T2	Tutorial Room	33.52	Ready	Ready	Ready
315Lab	Laboratory	139.69	Ready	Ready	Ready
316L	Laboratory	105.25	Ready	Ready	Ready
316Lab	Laboratory	141.45	Ready	Ready	Ready

Application Number: 1-43662386127

All India Council for Technical Education

**INSTRUCTIONAL AREA - COMMON FACILITIES:**

Room No.	Room type (mention Class Room/Laboratory/Toilet, etc.)	Carpet area (in m2)	Completion of Flooring	Completion of Walls and painting	Completion of Electrification and lighting
106LL	Language Laboratory	78.25	Ready	Ready	Ready
112CC	Computer Center	164.02	Ready	Ready	Ready
G-1	Library&Reading Room	630.49	Ready	Ready	Ready

**Consolidated Area Statement**

**Consolidated Area Statement For Existing & Proposed Courses**

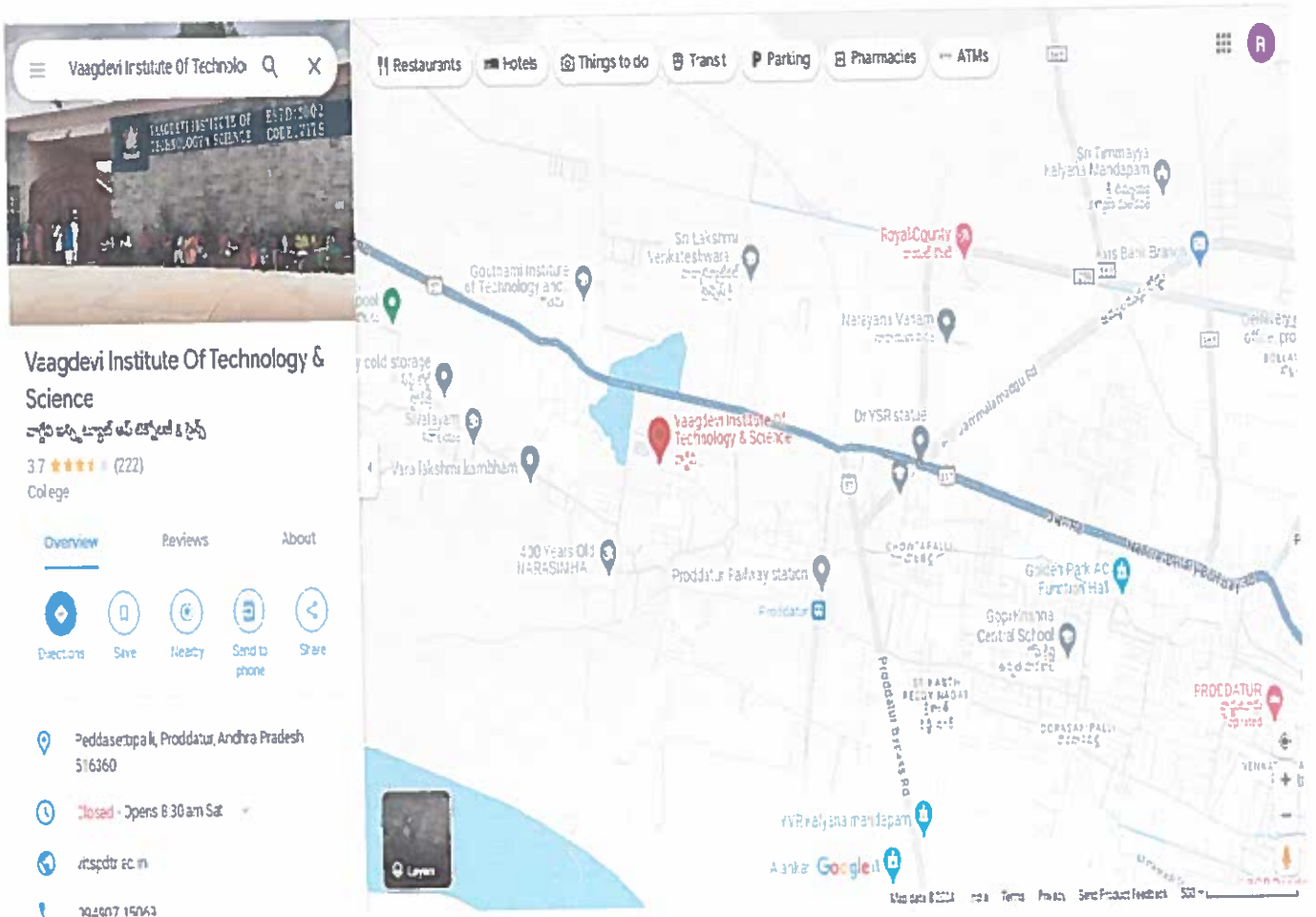
Instructional Area	24844sqm
Administrative Area	5559sqm
Amenities Area	34531sqm
Access and Circulation Area	16234sqm
<b>Total Area</b>	<b>81168sqm</b>

**FINDINGS:**

VITS which was established in the year 2002 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 65% of the total area is occupied by open land and plantation generates a better and sustainable campus environment.

## GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE

The college has a **sprawling pollution-free campus spread over 10 acres of land** in Peddasettipalli near to Proddatur s. It has an ideal geographical location with the proximity to the important cities of the region Andhra Pradesh.



**Photo1: Vits Geographical Location with College Campus Map.**

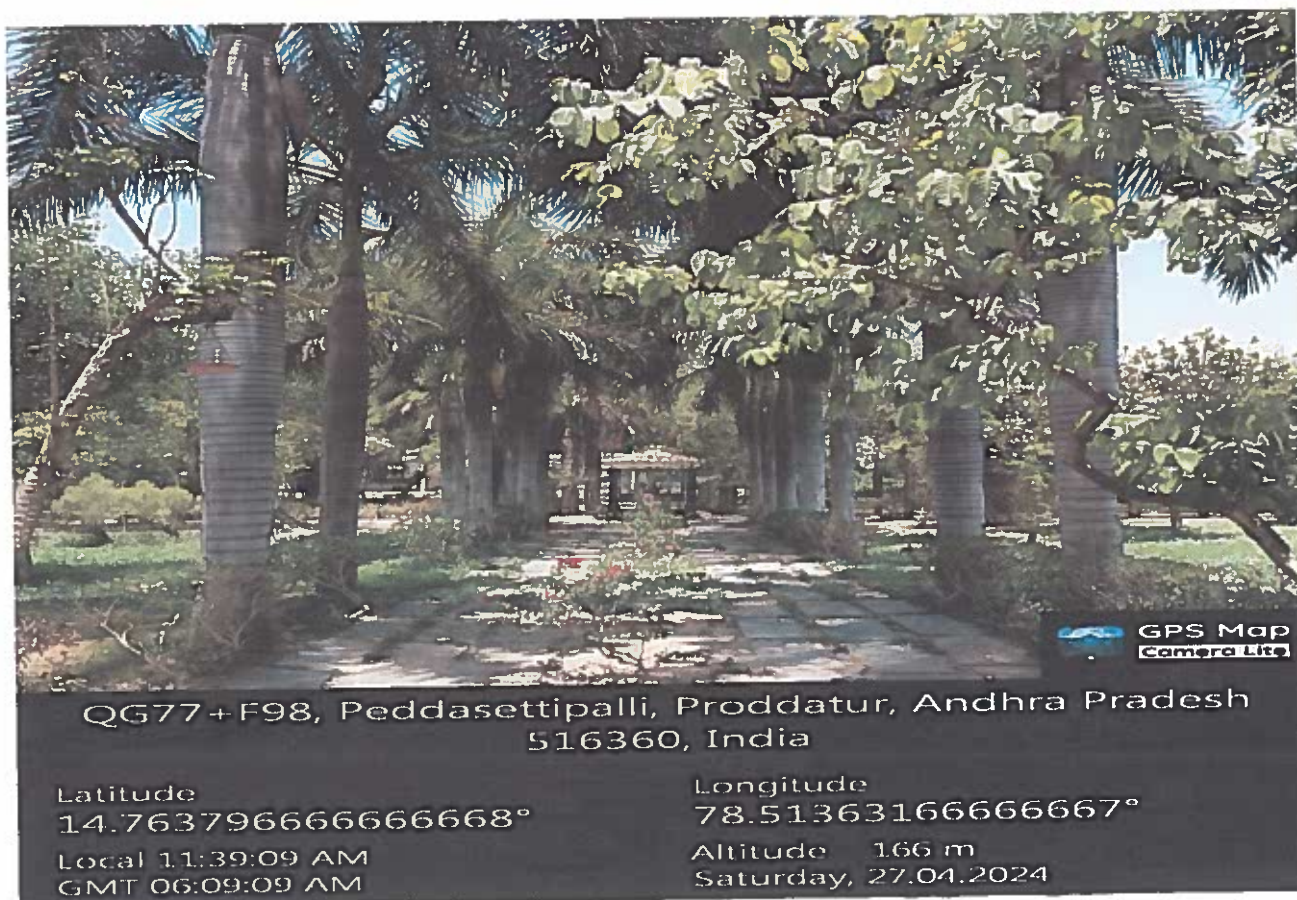




Photo2: Aerial View of college campus (Source Google Earth)

## TREE DIVERSITY OF VITS, PRODDATUR:

VITS is within the geo-position between latitude 13.4276f N and longitude 79.573640 E in Proddatur Kadapa district, Andhra Pradesh, India. It encompasses an area of about 10 Acres. The area is immensely 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 organised by the authority and have become an integral part of the college. The trees of the college have increased the quality of life, not only the college fraternity but also the people around of the college 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 the 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 platts 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 VITS. 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 to be bringing down noise and cut down dust and storms. The following are the tree species with whom we are being attached.





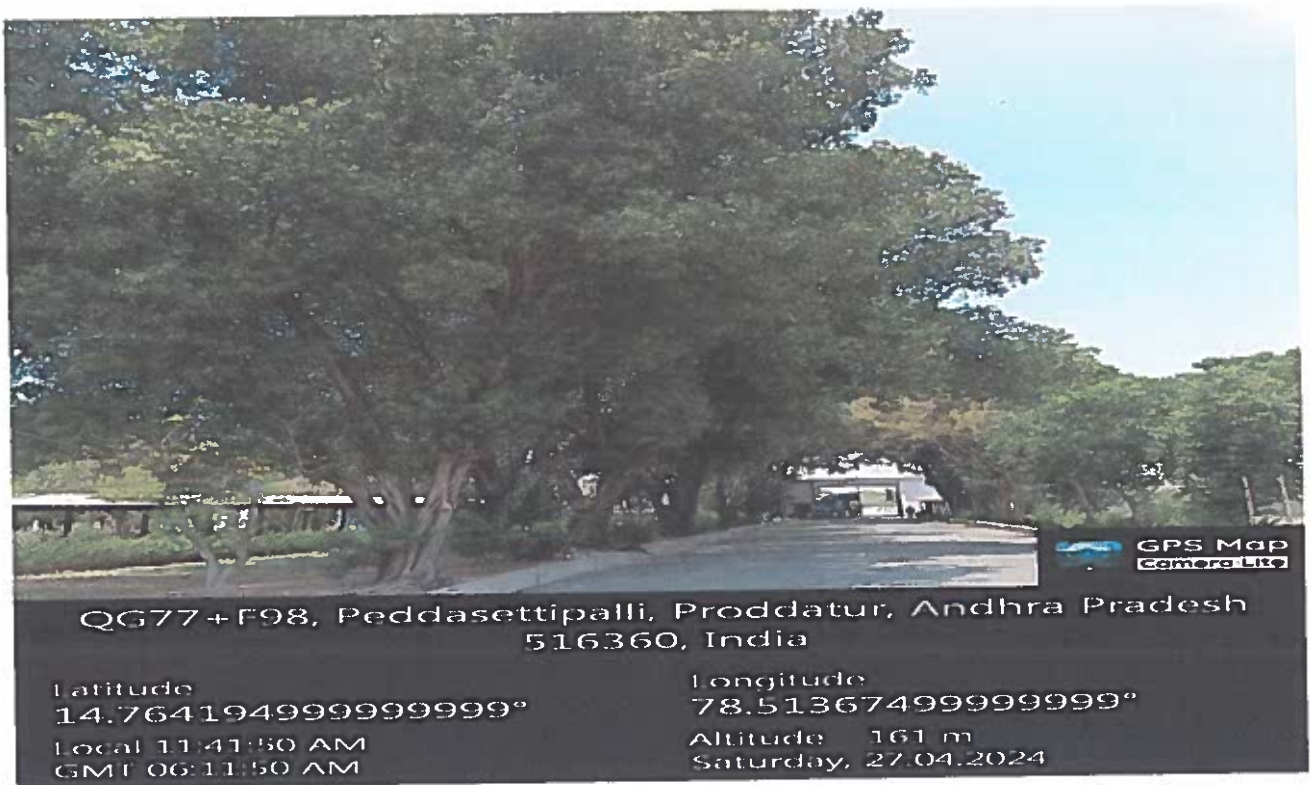


Table:List of Tree Species of VITS ,PRODDATUR

S.No	Botanical Name	Family	Common Name	Total
1	Mangifera indica	Anacardiaceous	Mango	1
2	Citrus limon	Reticence	lemon	1
3	Tabernaemont anadiva ricata	Apocynaceae	Crape jasmine	30
4	Cocos nucifera	Arecaceae	Coconut	10
5	Psidium guaiava	Myrtaceae	Guava	2
6	Terminalia catappa	Combretaceae	Tropical almond	3
7	Azadirachta indica	Meliaceae	Neem	7
8	Hibiscus rosa-sinensis	Malvaceae	Hibiscus	6
9	Teccona grandis	Lamiaceae	Teku	10
10	Syzygiurn cumin	Myrtaceae	Indian blackberry	20
11	Ficus religiosa	Moraceae	Peepal	2
12	Bougainvillea glabra	Nyctaginaceae	Bouganivilea	6
13	Plummer rebar	Plumeria rubra	Ganneru	30

**FAUNAL DIVERSITY IN VITS CAMPUS:**

VITS is located in Proddatur, District of Kadapa, Andhra Pradesh, India. The highest temperature is recorded 42°C just prior to the onset of monsoon (around May- early June). Rain season is normal, and is principally caused from late September to November by the moisture-laden North-East Monsoon, on striking the Eastern Ghats. The climatic condition of Proddatur- Kadapa district as a whole and VITS in particular is very suitable for a wide variety of flora and fauna to support its rich biodiversity. The faunal Diversity of VITS campus has been studied and documented as below:

Table: Common and Scientific Names of birds and animals

S.No	Common Name	Scientific Name
1.	Common Myna	Acridotheres Tristis
2.	Bank Myna	Acridotheres Ginginianus
3.	House Sparrow	Passer Domesticus
4.	House Crow	Corvus Sp
5.	Cuckoo	Cuculidae
6.	Snake	Naja Naja
7.	Yellow Wasp	Ropalidia Marginata
8.	Butter Fly	Danaus Genutia
9.	Common Woodshrike	Tephrodomis 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.	Bat	Acerodon jubatus
18.	Squirrel	Funambulus palmarum



Common Myna(AcridotheresTristis)



House Sparrow (PasserDomesticus)



House Crow(Corvus Splendens)



Cuckoo(Cuculidae)





Snake (Naja Naja)



Yellow Wasp (Ropalidia Marginata)



Butter Fly (Danaus Genutia)



Beetle insect on a hibiscus flower

**WEATHER DATA OF VITS: Station: VITS, Proddatur (INDIA)**  
 Location: 13.427 524" N, 79.57470 1' E

In VITS the climate is warm and temperate. The summers are less rainier than the winters in VITS The average annual temperature in VITS is 27.72°C. And precipitation level is about 70.69mm.

The driest month is generally February. There is 7 -6 mm of precipitation in February. The greatest amount of precipitation occurs in November, with an average of 203.2mm. With an average of 32.8°C, May is the warmest month. The lowest average temperatures in the year occur in January, when it is around 23.3°C. The precipitation varies 195.6 mm between the driest month and the wettest month. The variation in temperatures throughout the year is 9.5°C.

**WEATHER DATA MONTH WISE VITS:**

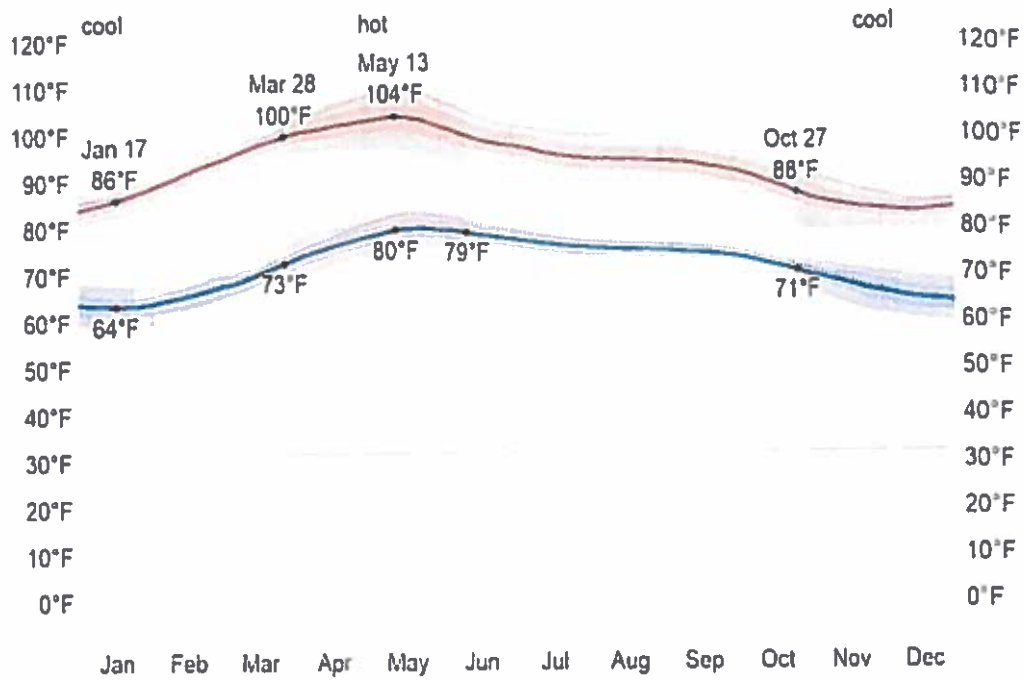
Temperature\Month	January	February	March	April	May	June	July	August	September	October	November	December
Avg. Temp. (°C)	23.3	25.6	28.3	31.1	32.8	31.1	29.4	28.9	28.3	26.7	24.4	22.8
Min. Temp (°C)	17.8	18.9	21.7	24.4	26.7	26.1	25.0	24.4	23.9	22.2	20.0	18.3
Max. Temp (°C)	30.0	33.3	36.7	38.9	40.0	37.8	35.6	35.0	34.4	32.2	29.4	28.9
Avg. Temp (°F)	74°F	78°F	83°F	88°F	91°F	88°F	85°F	84°F	83°F	80°F	76°F	73°F
Min. Temp (°F)	64°F	66°F	71°F	76°F	80°F	79°F	77°F	76°F	75°F	72°F	68°F	65°F
Max. Temp (°F)	86°F	92°F	98°F	102°F	104°F	100°F	96°F	95°F	94°F	90°F	85°F	84°F
Precipitation / Rainfall (mm)	12.7	7.6	7.6	20.3	40.6	50.8	71.1	88.9	99.1	170.2	203.2	76.2

The geographical co-ordinates of VITS are 13.427524" N, 79.574701"E. The city has an average altitude of 509 feet or 155.141 meters from the Average sea level. It is very much feasible for flowers cultivation.

The climatic conditions bear a strong resemblance with the other cities in the southern part of India. The summers are usually very hot and the winters are very cold. The summers are prevalent during the months of March to September with April and May being the hottest months. The winter is prevalent from the month of November till the month of March. There is onset of Monsoon in September and from mid of August till December one experiences the transitional weather.



### CLIMATE GRAPH MONTH WISE VITS:



## AIR QUALITY IN VITS:

The ambient air quality data for VITS for the last one year shows that there are very less polluted particles in ambient air; AQI for SO<sub>2</sub> & NO<sub>x</sub> parameters are within the range of Indian living standards, there are a number of factors responsible for this cleanliness, calmness and serenity in this area. Firstly, population which is most responsible for all the problems and hurdles in smooth living is lowest here of all the districts of TS. Secondly, in this area more trees have been planted as compared to other cities.

Furthermore, no air polluting industry is established here not even in a radius of 10 Km of VITS area. The NH is also approximately 1 kilometre away from VITS, which might be responsible for heavy density traffic throughout the year and thus might be causing lot of vehicular emissions as well as a lot of dust emissions due to the movement of vehicular traffic. Therefore, the ambient air quality of VITS Area falls in between moderate to rich quality state. The Andhra Pradesh Pollution Control Board is pondering over the various possibilities to reduce the air pollution for the improvement of ambient air quality with respect to AQI is concerned. However, the annual average value of PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> in the ambient air quality of Proddatur falls in the range of 50-62 µg/m<sup>3</sup>, 3-5 µg/m<sup>3</sup>, 10-12 µg/m<sup>3</sup> for most of the months, as such, the graded response action plan to eradicate the problem

## AIR QUALITY DETERMINATION:

Satisfactory air quality index (OVERALL=58) in VITS, Proddatur India on dated 22<sup>nd</sup> February 2021.

Parameter	Result (Range)
NO <sub>2</sub>	25.4 µg/m <sup>3</sup> , AQI 26 Very Good
NO	10.09 µg/m <sup>3</sup> , AQI 10 Good
O <sub>3</sub>	31.49 µg/m <sup>3</sup> , AQI 31 Good
PM <sub>2.5</sub>	28.13 µg/m <sup>3</sup> , AQI 28 Good
PM <sub>10</sub>	77.2 µg/m <sup>3</sup> , AQI 79 Satisfactory
CO	35.0 µg/m <sup>3</sup> , AQI 18
Humidity	76.0 %
Barometric Pressure	1014 millibar or hPa
Wind Speed	1.3-2.77 m/s
Wind Direction	28.0013 degrees
Sun Rise	06:32 AM
Sun Set	06:19 PM
Moonrise	01:47 PM
Moonset	02:12 AM

## **WATER ANALYSIS REPORT OF VITS:**

Water quality testing is important because it identifies contaminants and prevents water-borne diseases. Drinking or using contaminated water can result in severe illness or death. That is why it is important to ensure that drinking water is safe, clean and free from bacteria and disease.

The parameters for water quality are determined by the intended use. Work in the area of water quality tends to be focused on water that is treated for human consumption, or in the environment.

### **Drinking water indicators:**

**The following is a list of indicators often measured by situational category:**

- Alkalinity
- Colour of water
- pH value
- Taste and odor (geosmin, 2-Methylisoborneol (MIB), etc.)
- Dissolved metals and metalloids (lead, mercury, arsenic, etc.)
- Heavy metals



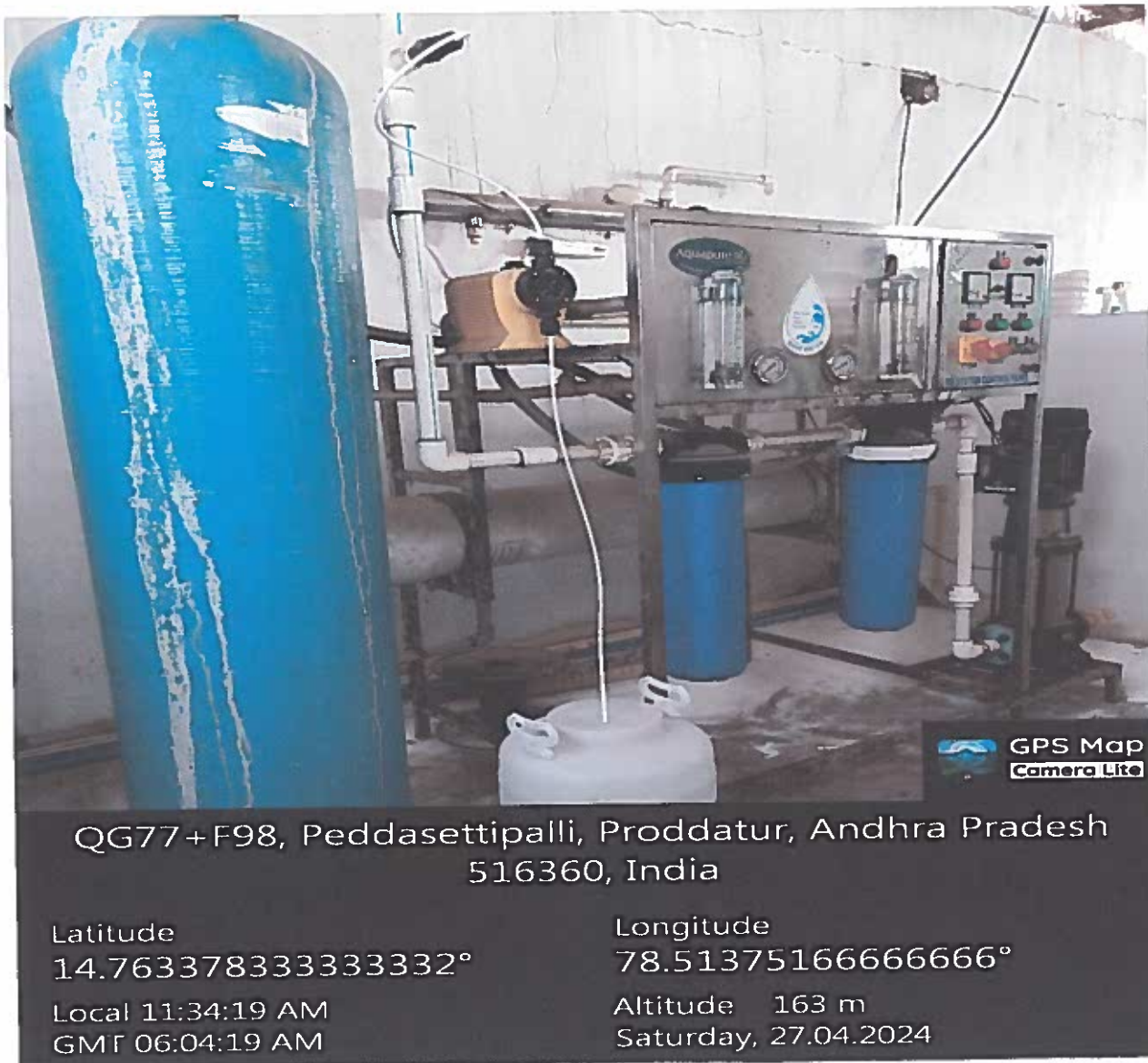
QG77+F98, Peddasettipalli, Proddatur, Andhra Pradesh  
516360, India

Latitude  
14.763798333333334°

Longitude  
78.51360833333334°

Local 11:39:15 AM  
GMT 06:09:15 AM

Altitude 163 m  
Saturday, 27.04.2024



RO in Vaagdevi Institute of Technology & science , Proddatur in Eastern side

## **NOISE LEVEL IN THE SURROUNDING OF VITS:**

The human ear is constantly being assailed by man-made sounds

- Loudness
- Frequency

from all sides, and there remain few places in populous areas where relative quiet prevails. There are two basic properties of sound: Loudness is the strength of sensation of sound perceived by the individual. It is measured in terms of Decibels. Just audible sound is about 10 dB, a whisper about 20 dB, library place 30 dB, normal conversation about 35-60 dB, heavy street traffic 60-0 dB, boiler factories 120 dB, jet planes during take-off is about 150 dB, rocket engine about 180 dB. The loudest sound a person can stand without much discomfort is about 80 dB. Sounds beyond 80 dB can be safely regarded as Pollutant as it harms hearing system. The WHO has fixed 45 dB as the safe noise level for a city. For international standards a noise level up to 65 dB is considered tolerate. Loudness is also expressed in sones. One sone equals the loudness of 40 dB soundpressure at 1000 Hz. Frequency is defined as the number of vibration per second. It is denoted as Hertz(Hz).

### **MATERIALS, STUDY AREA & METHODS :**

Noise level meter or noise measuring app, Noise test pro (version: 1.0.2), was used to measure the noise level. Noise test pro detect of any noise, music or sound in your surroundings. It will tell you maximum, minimum and average decibels.

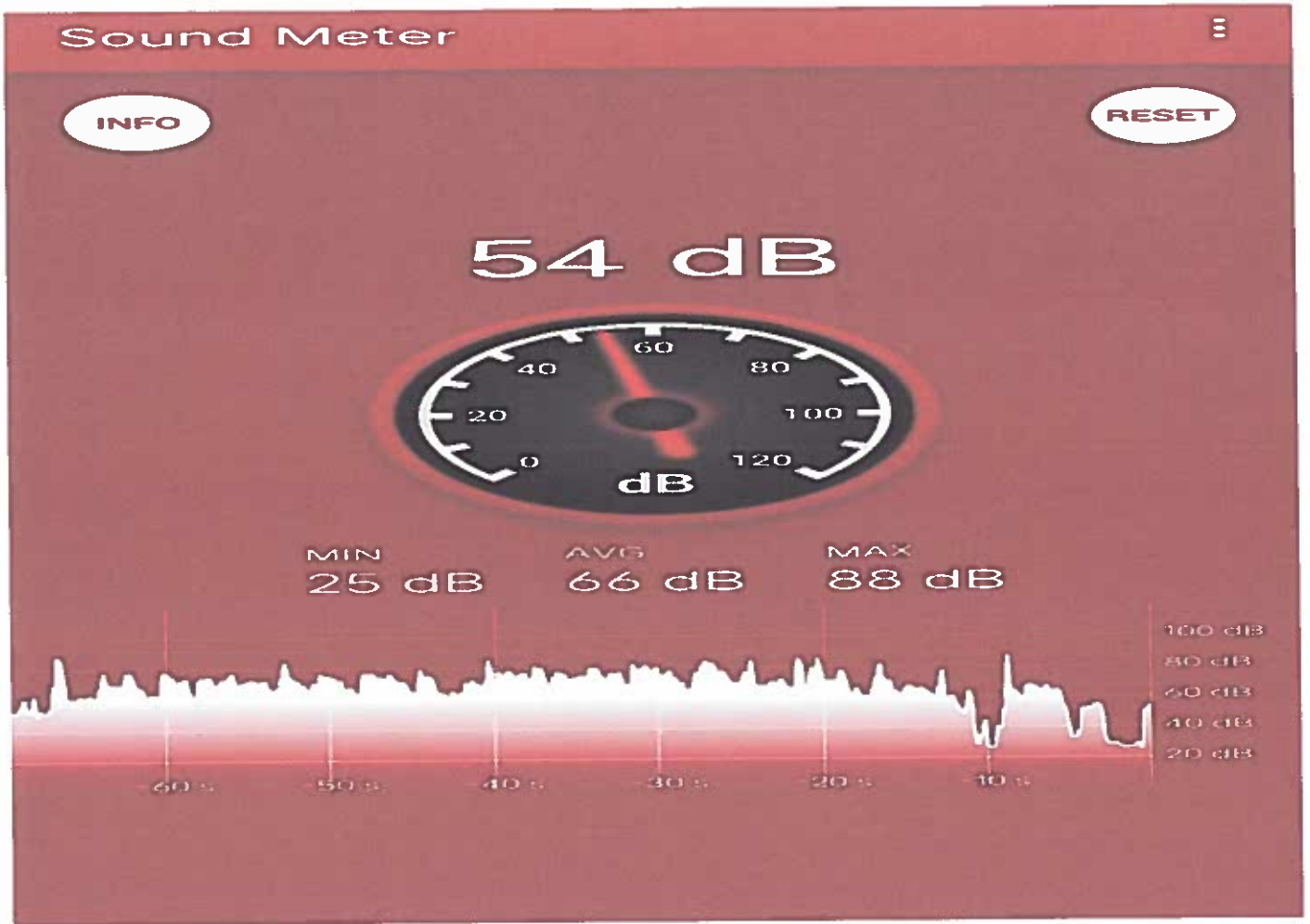


Figure: Noise Measurement by Noise Test Pro App



## DESCRIPTION OF THE COLLEGE SITE:

The site of the VITS is bounded to the North by 13.428475285251167 to the East, 79.57496659357363 agricultural lands and Jammalamadugu road. Below photo shows the satellite image of the college site.



Aerial View of college campus part 2(source google earth)



## MEASUREMENT PROCEDURE

The noise level was recorded at the different Important Locations of VITS. At each spot, the measurements were taken for 60 seconds during day time (6 AM- 6 PM) and noted down the measurements. Screen shots of the measurements of noise were taken immediately on the app at the time of 60th second of each measurement.

## RESULTS

The results of the experiments at different places have been tabulated in the following table:

Table 1: Measurements of Noise in and around VITS

<i>PLACE</i>	<i>MEASUREMENTS (Duration in Sec.)</i>	<i>MINIMUM (dBA)</i>	<i>Maximum (dBA)</i>	<i>AVERAGE (dBA)</i>
Canteen	60	74	90	85
Library	60	51	85	65
Mechanical Dept Area	60	57	84	78
Mechanical Lab	60	45	89	72
CSE Dept Area	60	50	81	73
CSE Lab	60	66	85	76
EEE Dept Area	60	66	87	76
EEE Lab	60	40	87	68
ECE Dept. Area	60	63	82	76
ECE Lab	60	65	85	78
Principal Office	60	35	77	68
Auditorium	60	53	75	71
Workshop	60	66	90	78
Workshop	60	56	86	69
Ground 1	60	59	90	70
Ground 2	60	56	90	68
Generator Room	60	53	89	75
Gymnasium	60	68	82	76
College Front Gate	60	50.7	78.0	71.0
Boys Hostel	60	54	68	62
Girls Hostel	60	52	90	68

Source: Data collected by Third Party Lab in the presence of GMCSPL Auditors. After the study, the measurements of noise have been recorded in and outside of VITS area:

Inside the Campus: 35-90 dBA,

Outside the Campus: 54-93 dBA

### WASTE DISPOSAL OF VITS:

Waste disposal are the activities and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment and disposal of waste, together with monitoring and regulation of the waste management process.

The waste from all around the college is separated daily as wet and dry waste in different bags which are disposed separately. Dry waste includes paper, cardboard, glass tin cans etc. on the other hand; wet waste refers to organic waste such as vegetable peds, left-over food etc.

Separation of waste is essential as the amount of waste being generated today causes immense problem. The material was composted and evaluated as a fertilizing material. Disposal of these waste results in the production of good quality organic manure that can be used as soil amendments and source of plant nutrients.

With smart initiatives like "Think Green Campus Model", waste management is helping colleges and universities to achieve a higher level of environmental performance. By reusing or recycling we are contributing to the conservation of natural resources, saving energy, helping to protect the environment, reducing landfill. We will also reduce our impact on the environment by minimizing the carbon emissions associated with both disposing of old products and obtaining new ones. VITS adopts environment friendly practices and takes necessary actions such as - energy conservation, waste recycling, carbon neutral etc. The biological reusable wastes are processed as organic manure for the plants available in the college campus and the other solid waste generated in the college campus is taken to the community bin of VITS municipality for recycling and disposal.



## TRANSPORTATION AT VITS:

Being a largest campus in the region, VITS uses a fleet of buses for transportation of the students & staff from the around locations of Proddatur The college is dedicated to provide its students and staff all the comfort and convenience to help them to achieve their targets. There are the clear and certifiable environmental benefits to higher bus ridership. By utilizing bus transportation, we reduce our automobile use and thereby help to promote clean air. It can convey many more people in much less space than individual automobiles, which helps to keep traffic congestion lower, which in turn reduces air pollution from idling vehicles, and helps riders avoid the stress that comes from daily driving in highly congested areas. By moving people more efficiently, bus transit produces significantly less air pollution per passenger mile than a standard car carrying a single driver. Buses emit approximate 20% less carbon monoxide, 70% as much hydrocarbons, and 15oh as much nitrogen oxides per passenger mile as an automobile with a single occupant (Source: Wikipedia)



## ELECTRICAL POWER CONSUMPTION AT VITS:

VITS, being one of the largest colleges of Proddatur, consumes on an average 12800 (units) per month of electricity. The authority keeps on replacing the old filament bulbs, CFL bulbs and tube lights by low energy consuming LED bulbs and LED tubes and bulky high-power consuming fans by energy efficient fans in order to keep the electricity consumption of the college as low as possible.

In addition to making Environmental Studies a very vital subject in our syllabus, VITS has gone a step further by putting that theory into practice. The college has installed five sets of solar panels, on the roof of S block (EEE), S (ECE) block, Block M (First Year), VITS with the installation of 500 KW solar roof top plant in collaboration with M/s Jisnu Solar Pvt Ltd. was able to offset 51% of its energy usage from the state grid thus moving towards a more reliable and greener option and reducing its carbon footprint.

### Electrical consumption

Sl.No.	Bill Month	CMD	RMD	BMD	RKVAH	Billed Units	Bill Amount	Payments
1	29-July-21	190	152	72200	12800	3800	107269	107269
2	30-June-21	190	152	72200	19360	9280	149475	149475
3	31-May-21	190	152	90250	47680	41600	500253	500253
4	30-April-21	190	152	76000	39360	27360	299071	299071
5	31-March-21	190	152	73200	26200	19020	239725	239725
6	28-Feb-21	190	152	71200	14020	11050	138277	138277
7	31-Jan-21	190	152	74000	11080	24075	273645	273645
8	31-Dec-20	190	152	66000	13040	29162	314362	314362
9	30-Nov-20	190	152	67020	16060	28182	314362	314362
10	31-Oct-20	190	152	72200	14560	3800	106746	106746
11	30-Sep-20	190	152	72200	6240	3800	107940	107940
12	31-Aug-20	190	152	72200	7680	3800	290320	290320
13	31-July-21	190	152	72200	12800	12800	684603	684603
14	30-Jun-20	190	152	72200	13740	8640	110338	110338



**Percentage of annual lighting power requirements met through LED bulbs**

Response: 56.08%

**Annual lighting power requirement met through LED bulbs (in KWH)**

Response: 127.708kWh

**Annual lighting power requirement (excluding LED)(in KWH)**

Response: 10628.8

**Total Annual Lighting Power Requirements: 18240 kWh/year**

<b>Total Lighting Requirements</b>	<b>Percentage Lighting through LED Bulbs</b>	<b>Percentage Lighting through other sources</b>
18240 kWh/year	56.08%	44.92%

**EXPENDITURE ON GREEN INITIATIVES DURING THE LAST FTVE YEARS:**

<b>Financial Year</b>	<b>Gardening &amp; lawn Work (Tractor running &amp; Maintenance) Rs.</b>	<b>Total Rs.</b>
2020-21	961779	961779
2019-20	1412203	1412203
2018-19	1348909	1348909
2017-18	1234954	1234954
2016-17	2022113	2022113



Sri Sri Mookambika Educational Society`s  
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(Approved by A.I.C.T.E., New Delhi, Affiliated to JNTUA, Anantapuram)



# Energy audit





GLOBAL MANAGEMENT CERTIFICATION SERVICES PRIVATE LIMITED

Certification Audit Report  
ISO 14001:2015 and ISO 50001:2011

For

**Client: M/s. Vaagdevi Institute of Technology & Science**

**Address: Peddasettipalli , Jammalamadugu Road,  
Proddatur ,Kadapa District,  
AndhraPradesh State-516360**

Audit Ref No. GMCSPL/E & EN MS -103/22-23

Disclaimer: - The Auditing is based on a sampling process of the available information and consequently there is an element of uncertainty which may be reflected in the Audit findings. Those relying or acting upon the Audit results and conclusions to be aware of this uncertainty. The Audit recommendations are subject to an independent review, prior to decision.

This report was presented to and accepted by: *B. Siddeswara Rao*

Name: **Sri Dr. B.Siddeswara Rao**

Job title:

Principal

*Vaagdevi Institute of Technology & Science*  
**PEDDASETTIPALLI  
PRODDATUR, Kadapa (Dist.)**



**1. Audit details:**

Management Member(s)	Sri. Dr. - G.Hussain Reddy -Chairman, Dr.B.Siddeshwara Rao - Principal V.Narasimha swamy.- HOD CSE, K.Rama Mohana Reddy, HOD- EEE, Dr. S.Sideswara Reddy - HOD ECE		
Audit Criteria [Standard]	ISO 14001:2015 & ISO 50001:2011	Exclusion	NIL
Audit Objectives	To Verify if the organization's compliance and effective maintenance of E&OHS and EnMS in accordance with ISO 14001:2015 and ISO 50001:2018 and to make decision on Certification.		
Audit Scope [confirmed]	Provision of Educational Services in Engineering at JNTUA Ananthapuramu.		
Functional Units/Processes Audited	Electronics & Communication Engg/ Computer Science & Engg / Humanities & Sciences/ Electrical & Electronics Engg		
Audit Site[s]	Peddasettipalli ,Jammalamadugu Road, Proddatur , Andhra Pradesh State-516360		
Audit Team	Team Leader	K S N Prasad	
	Lead Auditor[s]	A. Singaiah, P.Y B. adgiri	
Audit Dates	16.10.2023,, 17.10.2023 and 18.10.2023		



**GLOBAL MANAGEMENT CERTIFICATION SERVICES PRIVATE LIMITED**

**2. Audit Trials**

Description	Objective Evidence
<p><b>Brief Profile of the organization Including main products/ services and customers</b></p>	<p>Vaagdevi Institute of Technology &amp; Science is an emerging center for excellence in Engineering approved by AICTE, New Delhi and affiliated to JNTUA, Ananthapuramu. The institution achieved remarkable growth since their inception and have grown from strength to strength under the dynamic leadership of the Chairman, Sri. G Hussain Reddy VITS. Vits established in the year 2002 in a sprawling 28.63-acre campus located in Peddhasettipalli Village and near Narasimha Swamy Temple a institute is 5kms from Proddatur Town. The institute is indeed "dream come true" for many aspiring youngsters from rural areas in Kadapa District and Southern Andhra Pradesh</p>
<p><b>Organizational context</b></p>	<p>External issues related to E &amp; EN MS &amp; EnMS identified are: Competition, Technology, Culture, Legal, Market etc. Internal Issues identified are: Knowledge, Employee Base, performance of the students, performance of Faculty, strategic direction etc</p>
<p><b>Interested parties needs and expectations</b></p>	<p>Interested parties include: Society/Neighbors/NGOs/Media/Employees/workers/Trade unions Govt.: Legal compliance to all applicable statutory requirements. Management: Improving Environmental Performances.</p>
<p><b>E &amp; EnMS Management Scope and Boundaries</b></p>	<p>Provision of Educational Services in Engineering at Degree and PG Level under JNTUA.</p>

<b>E &amp; En MS Management System establishment</b>	VITS has established, implemented and maintained E & EN MS in accordance with the requirements of International Standard. Documentation consists of IMS Manual, Procedures, EIA, and Formats Verified and found ok.
<b>Leadership and commitment</b>	Vision, Mission, objectives are set for each department and institute is monitoring same through Internal quality audit process.
<b>Risks and Opportunities</b>	Risks and Opportunities are defined for each functional areas, same were verified and found in order
<b>Environmental Aspect &amp; Impact Assessment</b>	Environmental Impact Assessment was documented for all the processes. Some of the areas like canteen and solid waste handling at hostels were not captured.
<b>Actions to address risks and opportunities</b>	The Risks and Opportunities Identified are inputs for planning actions and for establishing the E&OHS Objectives and the same is described in Aspect impact assessment / EIA.
<b>E &amp; En MS Objectives and action plans</b>	E & En MS objectives for the year 2023 <ul style="list-style-type: none"> <li>- Reduce water consumption by 7% from the year 2022 achievement.</li> <li>- Reduction in power consumption by 20 % over last year.</li> <li>- Reduction in paper consumption by 20% over last year.</li> <li>- Recycle and reuse the water</li> </ul>
<b>Legal and other requirements and Evaluation of compliance</b>	<ul style="list-style-type: none"> <li>- Pollution Control Acts, Rules and Notification issued by TSPCB.</li> <li>- Liaison with Regional Office of PCB and MoEF, as applicable.</li> <li>- Reference to Environmental Legislation Updates published by various bodies</li> </ul>
<b>Resources</b>	All the resources needed for the implementation, maintenance of E & En MS is provided. - Annual financial budget for the year 2023: 03 Lakhs
<b>Competency</b>	Competence of each and every role in the organization is determined by their Education, training, Qualification and Experience. - Verified competency matrix for all the Designations
<b>Awareness</b>	Awareness among the campus towards reuse, recycle of natural resources was found good among faculty and students.
<b>Operational planning and control</b>	VITS developed procedures for various activities. Handling of Hazardous Waste it E & En MS Handling of Non-Hazardous Waste it E & En MS Operational Controls on E & En MS like: Management of Safety Committee I Management of First Aids /Management of PPE . General Operational Controls includes: Emergency Procedure Work Instructions/ OCP Display at Various Operations, Process, Machines Earth Pit testing & Identification Environment Related Slogans & posters Display at various place for better Performance & Awareness. Reduction in water, Air, Noise & Energy consumption, reduction in number of incidents & ensuring safe Environment.

<p><b>Emergency Preparedness and Response</b></p>	<p>VITS adopts procedure for Emergency preparedness and response for all environmental emergency situations and a rescue team, NSS is available.          Emergency preparedness plan includes natural, technical, and man-made events that occur inside and outside normal working hours.  <b>Few of the Emergency situations are:</b>          Emergency control center includes: On Site Emergency Plan, Site Map, List of Site Areas, Fire Extinguishers, first aid boxes, and emergency power supply to the main switchboard, alarm systems &amp; En MS, and exit signs/ lights, Important Telephone Numbers, Communication Facility ,an evacuation route map and a safe assembly point.          2 Scenarios were taken for Mock Drill one was Electrical Fire and one was contamination of Drinking water.          Plans for responding to that particular emergency situation that is contamination of drinking water was not clear.</p>
<p><b>Performance evaluation &amp; Evaluation of Compliance</b></p>	<p>VITS established a process for monitoring and measuring of E &amp; En MS performance. All the legal requirements documented information kept up to date, verified and found ok. Department level documents are made available for the demonstration of performance</p>
<p><b>Internal Audits</b></p>	<p>VITS has planned, established, implemented and maintained an audit program. Audit criteria and scope for each audit is defined. Internal audits are being conducted once in semester.          Auditors are selected such that there is no impartiality in the audit process.          Number of non conformities identified during internal audit system were well taken with both correction and corrective action.</p>
<p><b>Management Review</b></p>	<p>MRM is planned once in 6 months.          Regular reviews at department and college level are organizing by Principal/HOD and minutes of same were verified and found in order.</p>
<p><b>Incident , Nonconformity and corrective action</b></p>	<p>Incident register maintained, with correction and corrective actions taken.          No environmental incidents happened till now in the campus</p>
<p><b>Continual improvement</b></p>	<p>Continual Improvement is done by promoting the participation of students and employees in implementing E &amp; En MS Management system</p>



**Overall Recommendations and conclusion:**

<b>Recommendations:</b>
Environmental awareness among staff may be improved,
Awareness on the ISO 14001 and ISO 50001 standard with supporting staff to be planned. Air Quality Monitoring records to be maintained
<b>Conclusions:</b> System is compliance with the requirements of ISO 14001:2015 and ISO 50001:2011 after action initiated on the Minor Non conformities identified. The corrective action plan with objective evidence of closure of non conformities was approved by the team leader and recommended for issuance of Certification in accordance with ISO 14001:2015 & ISO 50001:2011.

Name of the Lead Auditors and Sign

Name: Mr.K.S.N.Prasad  
Signature:

Date: 18.02.-23-

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PRODDATUR. Kadapa (Dist )



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## **Clean and green campus initiatives**



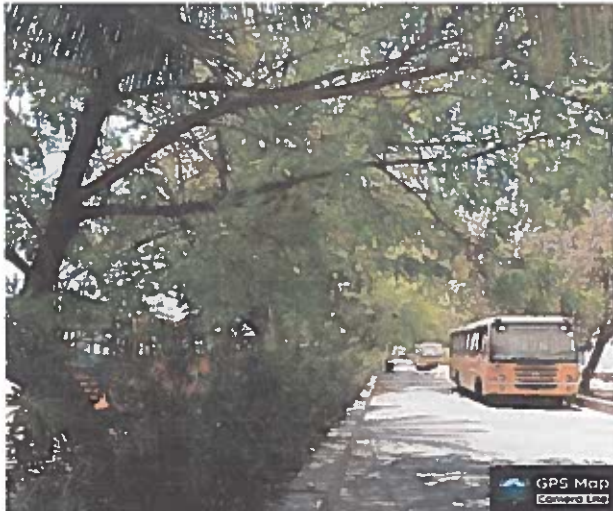


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**Pedestrian Friendly Pathway**



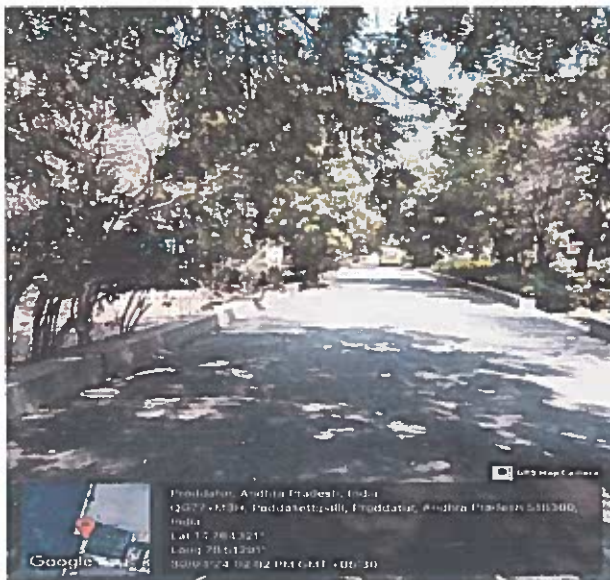
QG77-F98, Peddasettipalli, Proddatur, Andhra Pradesh  
 516360, India

Latitude: 14.763975° Longitude: 78.513645°  
 Local: 11:41:05 AM Altitude: 163 m  
 GMT: 06:11:05 AM Saturday, 27/04/2024



QG77-F98, Peddasettipalli, Proddatur, Andhra Pradesh  
 516360, India

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 Local: 11:41:50 AM Altitude: 161 m  
 GMT: 06:11:50 AM Saturday, 27/04/2024



Proddatur, Andhra Pradesh, India  
 QG77-F98, Peddasettipalli, Proddatur, Andhra Pradesh 516360,  
 India  
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 Long: 78.513645°  
 2024/04/27 01:41:05 AM GMT +05:30

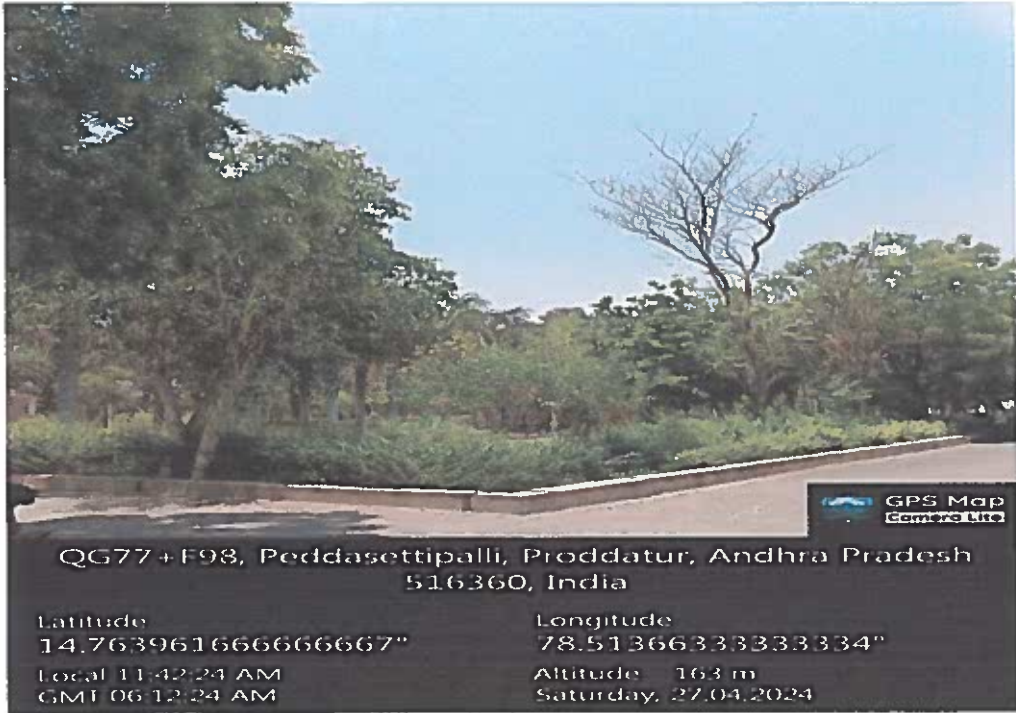


Proddatur, Andhra Pradesh, India  
 QG77-F98, Peddasettipalli, Proddatur, Andhra Pradesh 516360,  
 India  
 Lat: 14.764195°  
 Long: 78.513675°  
 2024/04/27 01:41:50 PM GMT +05:30

**Pedestrian Friendly Pathways in Vaagdevi Institute of Technology and Science**

*S. Siddharth Rao*  
 PRINCIPAL  
 Vaagdevi Institute of Technology & Science  
 PEDDASETTIPALLI  
 PRODDATUR, Kadapa (Dist.)





QG77+F98, Peddasettipalli, Proddatur, Andhra Pradesh  
516360, India

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GMT 06:12:24 AM

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Altitude 163 m  
Saturday, 27.04.2024



QG77+F98, Peddasettipalli, Proddatur, Andhra Pradesh  
516360, India

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Local 11:39:09 AM  
GMT 06:09:09 AM

Longitude  
78.51363166666667°  
Altitude 166 m  
Saturday, 27.04.2024

Greenery in College Campus

*B. Siddeswarao*

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PRODDATUR, Kadapa (Dist)





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**CIRCULAR**

**Date:07.02.2023**

According to the notification, AP pollution Control Board, the ban on single use plastic bag has come into effect in Andhra Pradesh on December 31. The government will be imposing a fine on the use of single use plastic bags which are less than 120 microns. This is part of its major to implement guidance of the supreme court of India over the use of single use plastic.

In this regard, the faculty staff and students of the Vaagdevi Institute of Technology and Science requested to strictly avoid the use of plastic around the college with immediate effect and make the campus Clean and green. In canteen paper cups, paper covers and eco-friendly products can be used as alternative measures.

Usage of one-time use plastics may be allowed in unavoidable circumstances.

All are requested to cooperate and replace it with environment friendly alternatives.

*K. Siddeshwari*  
**PRINCIPAL**

**Copy to:**

1. All Faculty and Staff
2. All HOD's
3. Vice-Principal
4. Notice Board to read out in all Class Rooms
5. Director
6. Administrative Office
7. Canteen for NA
8. Library

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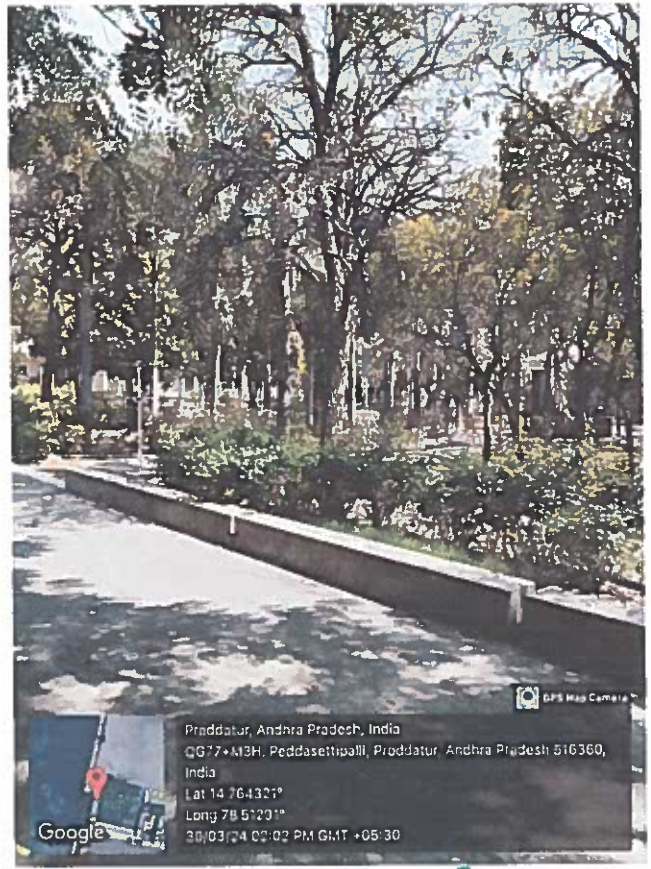
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Proddatur, Andhra Pradesh, India  
QG77+FP9, Peddasettipalli, Proddatur, Andhra Pradesh 516360, India  
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Long: 78.514237°  
03/04/24 11:51 AM GMT +05:30



Proddatur, Andhra Pradesh, India  
QG77+F98, Peddasettipalli, Proddatur, Andhra Pradesh 516360, India  
Lat: 14.76394°  
Long: 78.513303°  
30/03/24 02:03 PM GMT +05:30



Proddatur, Andhra Pradesh, India  
QG77+MBH, Peddasettipalli, Proddatur, Andhra Pradesh 516360, India  
Lat: 14.764321°  
Long: 78.51291°  
30/03/24 02:02 PM GMT +05:30

*B. Siddeshwar*

PRINCIPAL  
Mahadevi Institute of Technology & Science  
PEDDASETTIPALLI  
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## **Beyond the campus environmental promotion activities**





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**Swachh Bharat program at Proddatur**



Students visited at Narashimapuram and cleaned the entire village and its surroundings based on the guidance given by the committee.

*B. Siddeswari*

PRINCIPAL

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## Swachh Bharat program at Proddatur

### NSS students participating in 'SWACHH BHARATH'

Swachh Bharat program was organized at Narashimapuram, Proddatur under the auspices of Vaagdevi Institute of Technology and Science by NSS Department. The second year B.Tech students of the college did many cleaning works in the village. On this occasion, the principal of the college, said about importance of SWACHH BHARAT. College Chairman G.Hussain Reddy , NSS Officer G.Ramanjaneya Reddy and Head of CSE Department V.Narashima Swamy participated in this program.



SWACCH BHARAT at Narashimapuram

*B. Siddeswar Rao*  
PRINCIPAL

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PEDDASETTIPALLI  
PRODDATUR, Kadapa (Dist.)



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## TREE PLANTATION

### TREE PLANTATION

Theme: "Plant a Tree Today; It will help us breathe tomorrow"

The Staff and NSS Volunteers of Vaagdevi Institute of Technology And Sciences participated with great Zeal in TREE PLANTATION program On Occasion of Chief Minister's Birthday, Govt of Andhra Pradesh.

They planted saplings in the premises of the college to raise awareness and consciousness about environment among the masses. Planting of the trees is especially important to protect our environment against air pollution and global warming. The Drive was huge success, empowering students with substantial knowledge of environment and plants.

Date of the Event:21-12-2022

Name of the Event: Tree Plantation

Venue: College outside

No. of Participants:30

  
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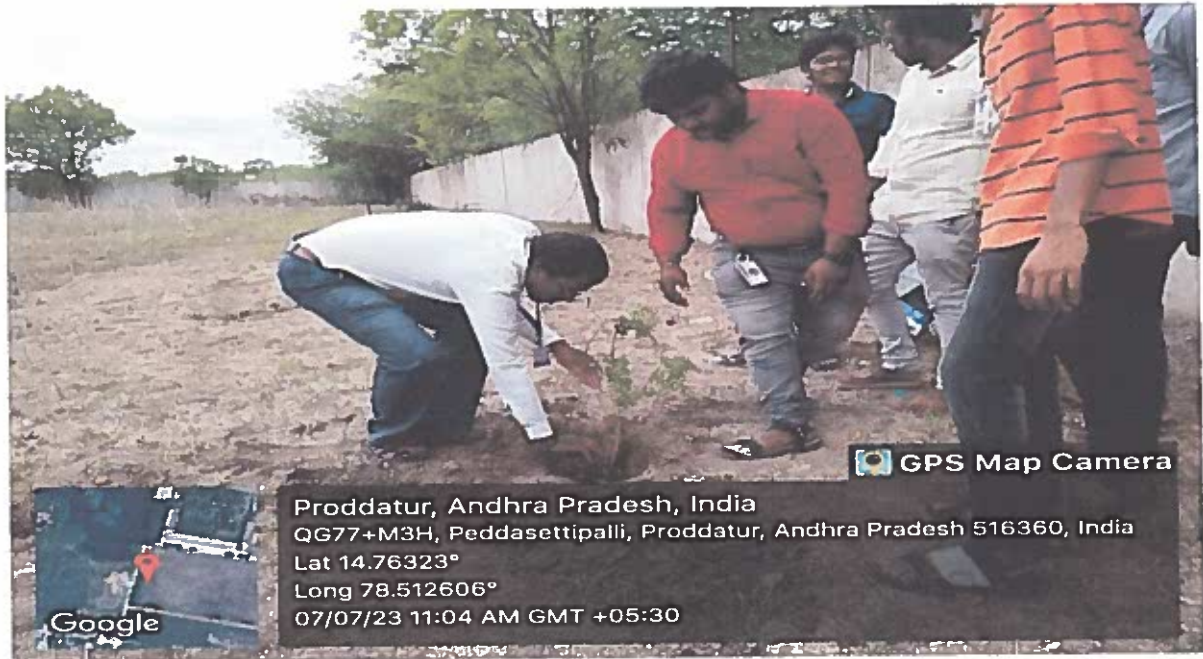




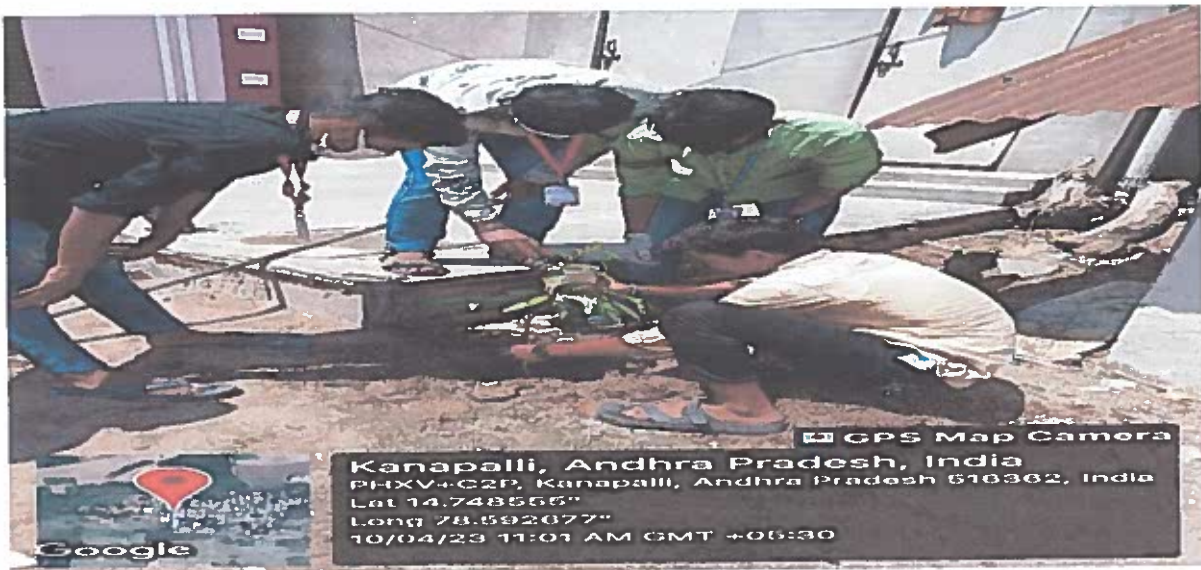
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**TREE PLANTATION Program at Peddasettipalli**



**TREE PLANTATION Program at Kanapalli**

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## A Report on TREE PLANTATION

The NSS unit On 15-03-2022 of Vaaagdevi Institute of Technology and Science College successfully completed the event of Tree Plantation under the National Service Scheme at college campus. NSS candidates identified appropriate place for plantation of Herbal Drug plants and prepared it for plantation. They also made the identification card of the plants. The event was began with the welcoming of guest Honorable G.Govardhan, Principal at Peddasettipalli . Welcome speech has been given by Programme Officer Mr.G.Ramanjaneya Reddy . In the guest speech.S.D.Govardhan said, Trees are the foremost source for producing the oxygen in environment, they help to reduce the level of CO2. As we all know that the whole world is facing the problem of global warming and to recover from such problem planting the trees and also the herbal plants is become one of the most important aspects today. NSS candidates also committed themselves to nourish and maintain the allocated plant.

Date of the Event: 15-03 -2022  
Name of the Event: Tree Plantation  
Venue: Peddasetipalli and kanapalli  
No. of Particiants:30  
Organized by: NSS unit-VITS

  
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## SAY NO PLASTIC DRIVE



Students create an awareness to the villagers about the problems faced while using the plastic after that they cleaned the plastic in village surroundings.

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## A Report on SAY NO TO PLASTIC

The NSS UNIT of the college is organized "Say no to plastic at Peddasetipalli" on 18-03 2022. The campaign was carried out in one of the adopted village of Peddasetipalli. The objective of the campaign was to create awareness about the hazard of polythene bags. The campaign was named 'Say No to Plastic' with the theme "I Educate and Support". Banners bearing this slogan were displayed at various places in the locality. The NSS Students of VITS divided themselves into groups of four. Each group visited the people in their homes. People were told how the use of polythene bags pollutes the environment. They were also educated that polythene was not biodegradable and that these bags could choke the sewers. They could also spoil the fertility of the soil. Shopkeepers in the locality were requested to give up the use of polythene carry-bags. [ People showed great interest in the campaign. Many of them promised never to use polythene bags in future. The campaign was a great success. Everyone in the locality praised the initiation undertaken by VITS for their good work. Last but not the least, free reusable bags were distributed to all the participants and people of the village.

Date of the Event: 18-03 2022  
Name of the Event: Say no to plastic  
Venue: Peddasetipalli  
No. of Participants: 50  
Organized by: NSS unit-VITS

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## A Report on Bio-Diversity at Seshachalam Forset

Vaagdevi Institute of Technology And Sciences National Service Scheme has conducted Bio-Diversity programme.

Mr.K.Karthik,BIRD Man of Tirupati was the chief guest for the programme and he interacted with students and explained the importance of Bio- Diversity, it is the variety of different types of life found on the earth. Our planet is now in the middle of the sixth mass extinction of species, the worst since the loss of the dinosaurs 65 million years ago.

Today's generation has a special responsibility in relation to the environment. Students along with Mr.Karthik went to forest and were divided into several groups and walked into the forest to explore common tailor birds, common mynas, white-browed bulbuls, treepeeps etc. Bird man Karthik said we have listed at least 200 species of birds found in and around the world.

The NSS program officer and students actively participated in the above program and got experience regarding Bio-Diversity.

Date of the Event: 07-04-2022 to 08-04-2022

Name of the Event: Bio-Diversity at Seshachalam Forset

Resource Person: Mr.K.Karthik,BIRD Man.

Venue: Seshachalam Forset

No. of Participants: 30

Organized by: NSS unit-VITS

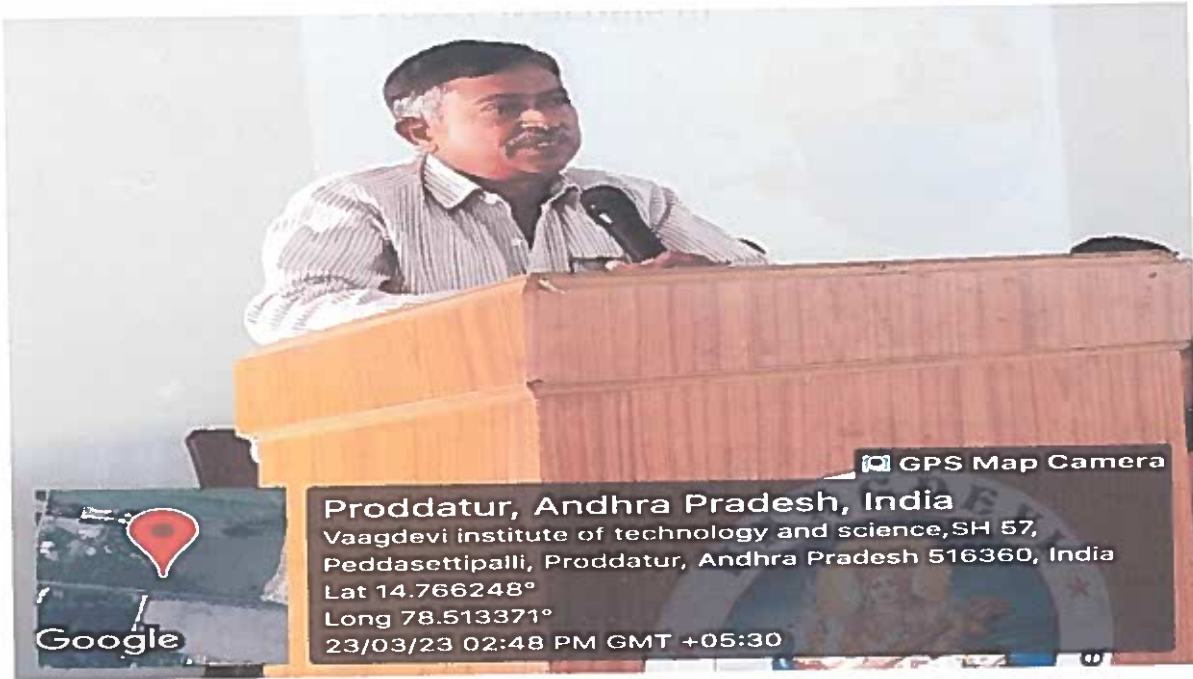
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Students and guest discussing about the bio-diversity conditions and reaserch



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## **Report on School Cleaning programme MPP school, Kothapeta**

**“Maintain Cleanliness-Keep away from diseases”**

The National Service Scheme of Vaagdevi Institute of Technology and science organized a mass cleaning activity at Kothapeta village on 16-11-2020. During the village survey it was observed that the school area was polluted with the open garbage system and filled by the wastage Around 50 student's volunteers were take part in the cleaning activity. Our volunteers actively take part in the cleaning activity with proper protection. The school head Smt. Suneetha appreciated the great work carried out by the volunteers. The NSS volunteers played a vital role in making this camp success with their dedication in serving people, they directed people in all needy way.

Date of the event: 16-11-2020 Name of the event: School Cleaning programme MPP School  
,Kothapeta

Resource Person : Smt. Suneetha, School head

Venue:Kothapeta Village

No. of Participants:50

Organized by:VITS NSS unit

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**School Cleaning programme MPP school, Kothapeta**



**Cleaning Schools surroundings**



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## A Report on Tree Plantation

"Adding Green to Your Life"

National Service Scheme aims to instilling the idea of social welfare in students, and to provide service to society without bias. In this regard, The National Service Scheme of Vaagdevi Institute of Technology And Sciences has Successfully organized a Tree Plantation Program.

With an aim to showcase awareness towards environment so that our next generation can get air for free. Around 30 volunteers of NSS actively participated

Sri K S Nanjundappa, DSP, Proddatur officiated as chief guest for this program.

Speaking on this occasion he said everyone needs the oxygen for their life and trees are the foremost source of oxygen as tree helps to reduce the level of CO<sub>2</sub>. he initiates the tree plantation program along with the students

The NSS program officer and volunteers have made arrangements for the successful organization of tree plantation

Date of the event: 31/07/2019

Name of the event: Tree plantation

Venue: VITS - Campus

No. of Participants: 30

Organized by: NSS VITS



Honorable guest DSP sir Describing about the importance of plantation program

*D. Siddeshwar*  
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A Report on  
**FARMING BY THE STUDENTS**  
"Adding Green to Your Life"

The National Service Scheme of Vaagdevi Institute of Technology And Sciences has conducted Visiting to know about "Organic Farming" on 23-12-2019 at Peddasettipalli Village in Association with Rythu Barosa Kendram. The purpose of the camp is to create awareness about natural farming to the students.

The NSS Volunteers met the farmers of the village, they taught us what the exact meaning of organic Farming is. In general words, Organic Farming is defined as which involves the cultivation of plants and rearing of animals in natural ways. This process involves the use of biological materials, avoiding synthetic substances to maintain soil fertility and ecological balance thereby minimizing pollution and wastage.

The NSS volunteers played a vital role in making this camp success with their dedication in serving people, they directed people in all needy way.

Date of the event: 23-12-2019

Name of the event: Farming by the students

Venue: Peddasettipalli Village

No. of Participants:30

Organized by: VITS NSS unit & Farmers, Peddasettipalli.



Farming by students with NSS Committee

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## A Report on Cleaning Program at MPP School Peddasettipalli

Theme: "Cleanliness is next to Godliness"

The VITS, NSS Unit conducted a Cleaning Program at MPP School, peddasettipalli under the supervision of NSS program officer and the supreme guidance of college Principal Dr. G.Jadeshwar Reddy

Cleaning Camp began with the inaugural program. The Principal of MPP school was the inaugurator of the program

The volunteers cleaned the class rooms and school premises under Swachh Bharath Abhiyan Program. Students collected the waste in and around the school. The NSS Volunteers interacted with school students and informed them regarding the importance of cleanliness.

Date of the Event: 18-12-2018

Name of the Event: Cleaning Program at MPP School, Peddasettipalli

Resource Person: The Principal, MPP school

Venue: MPP School, Peddasettipalli

No. of Participants: 40

Organized by: NSS unit-VITS

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**Massive Cleaning activity at MPP SCHOOL surroundings**

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## **A Report on Built a road from Village to Graveyard**

Theme: "Community Development"

The NSS unit of Vaagdevi Institute of Technology And Sciences conducted road construction programme at Pottipadu village. The villagers approach the NSS unit and informed that there is no proper transportation to the burial ground they asked help from NSS volunteers to construct the road. The NSS volunteers along with programme officer visited the Pottipadu village and saw the possibilities to construct the road.

The NSS volunteers and villagers collected the material in and around the village like sand, gravel and stones etc, by using all these they construct a path from village to burial ground.

The villagers convey their heartfelt thanks to the volunteers NSS unit and management of the college.

Date of the Event: 15-03-2018

Name of the Event: Formation of road from Village to Burial ground

Resource Person:

Venue: Pottipadu village

No. of Participants:50

Organized by: NSS unit-VITS

  
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nss volunteer are performing Swachh Bharath Program at Pottipadu Village

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## **A Report on Tree Plantation**

Theme: "Each one Plant One"

Tree Plantation programme was organized at Vaagdevi Institute Of Technology And sciencethrough National service unit on 17/04/2018. As we all know that the whole world is facing the problem of global warming and to recover from such problem planting the tress has become one of the most important aspects of today.

The principal, the NSS programme officer and NSS volunteers planted the plant samplings in college premises principal

The Prinicipal Dr.G.Jagadeeshwar reddy explained about the tress and the importance of plantation.

Date of the Event: 17/04/2019

Name of the Event: Tree Plantation

Resource Person: Dr.K. Jaya Chandra

Venue: VITS Campus

No. of Particiants:30

Organized by: NSS unit-VITS

  
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## **A Report on Swachh Bharat Programme at Pottipadu**

Theme: "Keep your Village Clean"

The VITS, NSS Unit has conducted Swachh Bharat Programme in Pottipadu village.

The students of NSS unit after reaching the respective village all the volunteers are divided into groups to make the task easier and so as to ensure that the volunteers covered the most of the village premises volunteer eagerly cleaned the surroundings and identified the problems regarding cleanliness in the village.

Volunteers cleaned the village roads removed dust heaps and they attempted to create awareness on cleanliness and hygiene. Volunteers encouraged villagers to keep their streets neatly.

Date of the Event: 17-03-2018

Name of the Event: Swachh Bharat Programme at Pottipadu Village.

Resource Person:

Venue: Pottipadu village

No. of Participants: 50

Organized by: NSS unit-VITS

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NSS volunteers visited the village to discuss about community development

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NSS volunteer participated in plantaion program and samplings in college premises

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