

#### 7.1.2. The Institution facilities and initiatives.

#### **INDEX**

7.1.2.	Alternate sources of energy and energy conservation measures	
	I.Solar energy	2-21
	II.Sensor-based energy conservation	
	III.Use of LED bulbs/ power efficient equipment	
	2. Management of the various types of degradable a degradable waste	nd non-
	I.Liquid waste management	
	II.E-waste management	
	III.Waste recycling system	22-39
	m. waste recycling system	22-39
	3. Water conservation	
	I. Rain water harvesting	
	II.Bore well /Open well recharge	40-46
	III.Construction of tanks and bunds	40-40
	IV.Waste water recycling	
	4. Green campus initiatives	
	I.Restricted entry of automobiles .	
	II.Use of battery vehicles .	
	III. Ban on use of plastic.	47-57
	IV. Landscaping with trees and plants.	
	5.Disabled-friendly, barrier free environment.	
	I.Built environment with ramp.	50 61
	II.Disabled friendly washrooms	58-61





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#### A.Y 2022-23

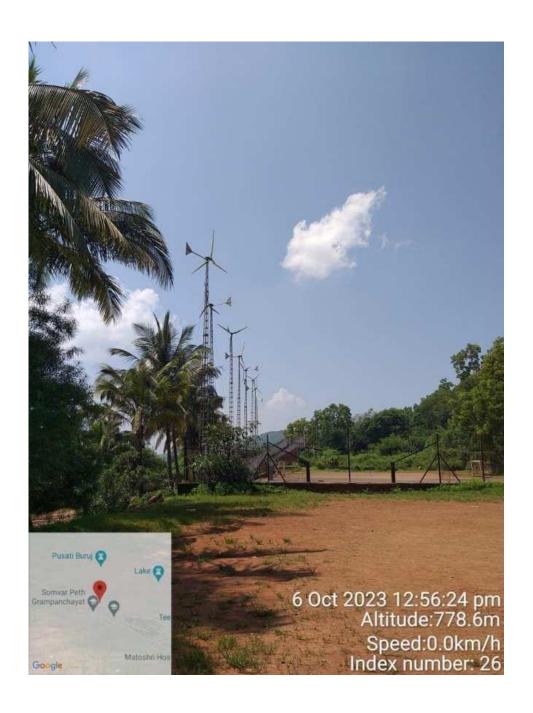
Use of Solar Energy







#### **Use of Wind Energy**







#### Sensor Based Street Light







#### **Power House**





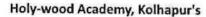














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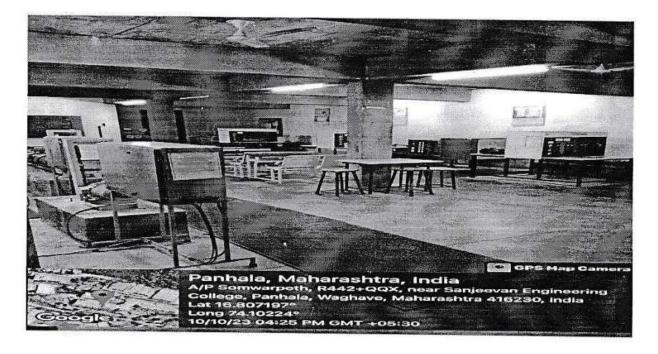
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#### 3. Use of LED Bulbs

A.Y 2022-23



#### 3.1 Light Load Calculation

- > Total light load connected in the institution = 42420 Watt
- ➤ LED load connected in the institution = 34270Watt
- ➤ Light load other than LED =8150 Watt
- Percentage of Led lights in the institution out of total light load = (34270/42120) \*100

= 80.28%

Mr. D. S. Bhosale

Head of the Department Electrical Engineering Sanjeevan Engg. & Tech. Institute Somwar Peth, Panhala - 416 201 Principal

Dr. S.N.Jain

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#### 7.1.2 Alternative Energy initiatives such as:

#### 1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Power Requirement met by Renewable energy sources	Total Power requirement	Renewable energy sources	Renewable energy generated and used	Energy Supplied to the grid
Generated 90000 KWH		Solar & Wind Hybrid	installed	NIL
and Remaining Installation under process	559392KWH	Solar PV panel	Installation Under Process	NIL

#### 7.1.2: Alternative Energy Sources:

A] Present energy generation by renewable energy sources:

1) solar power plant capacity: 70 kW

II) Hybrid (Solar + Wind) power plant capacity: 50 kW

Total Capacity: 70kW + 50kW = 120 kW

Total Energy generation by both plants from 1't Apr 2022 to 31th March 2023 is 90000 KWH

Total Energy requirement from 1't Apr 2022 to 31th March 2023 is KWH

Percentage of energy met by the renewable energy sources as per same year Energy requirement

: (90000KWH/559392KWH) \* 100

=16.08%

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#### B) Proposed energy generation by renewable energy sources

I. Solar power plant proposed capacity: 182 kW

Approximately power generation by same plant is 196560 KWH

Total power will be generated by the whole renewable sources in a year is 326160 kWh

Percentage of energy will be met by the renewable energy sources

= (326160KWH/559329KWH) \* 100

=58.31%

SETI Campus Monthly Demands / Units Data

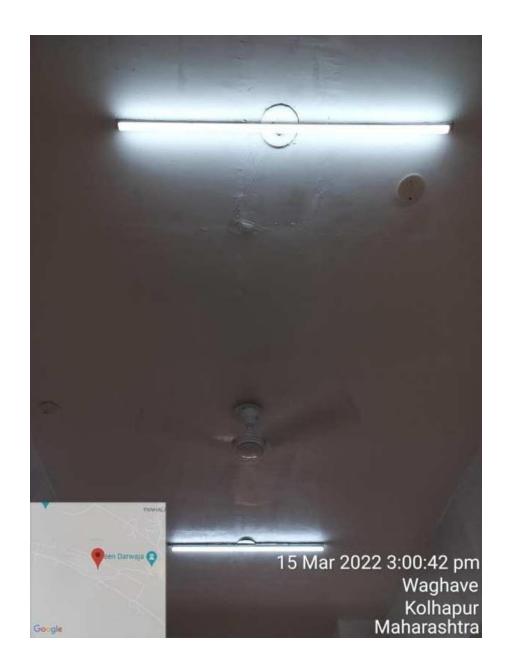
Sr.No.	Month /Period	Max Demand IN KVA	Power Factor	Total No.of Unit
1	Apr-22	156	0.996	38,749
2	May-22	156	0.992	30,616
3	Jun-22	156	0.994	38,508
4	Jul-22	156	0.998	61,325
5	Aug-22	156	0.996	55,957
6	Sep-22	156	0.992	42,201
7	Oct-22	156	0.993	43,564
8	Nov-22	156	0.995	43,284
9	Dec-22	156	0.993	53,421
10	Jan-23	156	0.996	50,340
11	Feb-23	156	0.996	49,726
12	Mar-23	156	0.996	51701
		Average Value in KVA=156	0.995	Annual Unit Consumed During period of APR 2022 To Mar 2023 =559392 units

Maintenance Incharge

Sanjeevan Engg. & Tech. Institute Somwar Peth, Panhala - 416 201 Head of the Department
Electrical Engineering
Sanjeevan Engg. & Tech. Institute

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## **LED**







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#### Use of LED Bulbs



#### **Light Load Calculation**

- Total light load connected in the institution = 46500 Watt
- ➤ LED load connected in the institution = 32300 Watt
- Light load other than LED = 14200 Watt
- ➤ Percentage of Led lights in the institution out of total light load = (32300/46500) \*100

= 69.46%

HOD

Mr. P.P Kulkarni , dead Electrical Exgingering Dept.) SANSEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA TIMBER Peth, Tal.Panhala, Dist.Kohapur 416 201 MAHARASHTRA INDIA Principal

Frind Day Johan Vanarotti
Sanjeevan Engineering & Testing Dor Metified Sanjeevan Peth, Panhala, Dist. Kolhapur. (416 201)

Prind Day John Vanarotti
Sanjeevan Dor Metified Sanjeevan Dorski Singel Nativar Jain Dosanjeevan



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Phone: 02328 - 235241, 235493 Fax: 02328 - 235241 Mobile: 9545451966, 9545453831

Website: www.seti.edu.in / setipanhala@gmail.com

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7.1.2 Alternate Energy initiatives such as:

A.Y 2020-21

 Percentage of annual power requirement of the Institution met by the renewable energy sources

Power Requirement met by Renewable energy sources	Total Power requirement	Renewable energy sources	Renewable energy generated and used	Energy Supplied to the grid
Generated 50228 KWH and Remaining	629708 KWH	Solar PV panel	Installation Under Process	NIL
Installation under process		Solar & Wind Hybrid	Installed	NIL

7.1.2: Alternative Energy Sources:

A] SETI Max. Load demand = 1.73\*415\*236

= 170 KVA

(Measured using power meter installed on DG set)

B] SETI Solar PV and wind solar hybrid system capacity share =300 KVA

Average campus Max. Load demand for last 3 years = 146 KVA

Campus Solar PV plant capacity and wind solar hybrid system = 300 KVA

Hence SETI Solar PV and wind solar hybrid system capacity share = (170/146) \* 300 = 349 KVA

Percentage of annual power requirement of the institutions met by the renewable energy sources = (349KVA)/(170KVA) \*100

205%

We have excess generation due to that in feature we have increased campus load demand for that application given to MSEDCL

Increased campus load = 300KW

Increased campus load = 240KVA

SETI Max. Load demand = 240KVA

Hence SETI Solar PV and wind solar hybrid system capacity share = (240/349) \* 300 = 206 KVA

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Percentage of annual power requirement of the institutions met by the renewable energy sources = (206KVA)/(240KVA) \*100

86%

7.1.2.1 Annual power requirement met by the renewable energy sources (in KWH)

50228 KWH and remaining solar Plant installation is in process

7.1.2.2 Total annual power requirement (in KWH)

Form table, total units consumed in campus from 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020 = **579480 KWH** 

Energy consumed by campus renewable energy sources from 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020 = 50228 KWH

Hence units consumed from  $1^{st}$  July 2019 to  $30^{th}$  June 2020 by SETI = (579480 KWH + 50228 KWH) = 629708 KWH

Campus Max. load demand during above period = 146 KVA

SETI Max. load demand during above period = 164 KVA





## **Electricity Consumption**

S/r	Month/Period	Max Demand in KVA	Power Factor	Total No. of Unit
1	14-Apr-14	135	1.00	43082
2	14-May-14	94	1.00	29198
3	14-Jun-14	90	1.00	29512
4	14-Jul-14	134	1.00	49250
5	14-Aug-14	157	1.00	52582
6	14-Sep-14	134	1.00	46606
7	14-0ct-14	130	1.00	43698
8	14-Nov-14	118	1.00	46262
9	14-Dec-14	135	1.00	51360
10	14-Jan-15	140	1.00	50160
11	14-Feb-15	129	1.00	49316
12	14-Mar-15	136	1.00	49006
13	14-Apr-15	117	1.00	42614
14	14-May-15	95	1.00	29214
15	14-Jun-15	98	1.00	28304
16	14-Jul-15	141	1.00	51242
17	14-Aug-15	149	1.00	56808
18	14-Sep-15	160	1.00	37828
19	14-0ct-15	148	1.00	56644
20	14-Nov-15	139	1.00	36248
21	14-Dec-15	136	1.00	55564
22	14-Jan-16	142	1.00	51892
23	14-Feb-16	158	1.00	58996
24	14-Mar-16	167	1.00	59530
25	14-Apr-16	125	1.00	43704
26	14-May-16	125	1.00	31264
27	14-Jun-16	131	1.00	38172
28	14-Jul-16	163	1.00	67302
29	14-Aug-16	163	1.00	69342
30	14-Sep-16	159	1.00	50228
31	14-0ct-16	175	1.00	60200
32	14-Nov-16	150	1.00	51820
33	14-Dec-16	152	1.00	64274
34	14-Jan-17	165	1.00	63514
35	14-Feb-17	165	1.00	59924
36	14-Mar-17	159	1.00	62926
37	14-Apr-17	131	1.00	46832
38	14-May-17	131	1.00	30674
39	14-Jun-17	139	1.00	37772
40	14-Jul-17	168	1.00	66292
41	14-Aug-17	170	1.00	58230
42	14-Sep-17	184	1.00	64836
43	14-0ct-17	189	1.00	46796
44	14-Nov-17	151	1.00	58148
45	14-Dec-17	144	1.00	61434
46	14-Jan-18	155	1.00	Signature Not Verific
47	14-Feb-18	142	1.00	NATVARJAIN JAIN.  5333 - OSANJEEV
48	14-Mar-18	142	1.00	56970
49	14-Anr-18	142	1.00	42336

50	14-May-18	152	1.00	15612
51	14-Jun-18	145	1.00	39195
52	14-Jul-18	146	1.00	69669
53	14-Aug-18	146	1.00	65910
54	14-Sep-18	130	1.00	43947
55	14-Oct-18	136	1.00	66465
56	14-Nov-18	121	0.95	40164
57	14-Dec-18	131	0.98	57858
58	14-Jan-19	134	0.98	51429
59	14-Feb-19	132	0.98	44484
60	14-Mar-19	131	0.98	50190
61	14-Apr-19	106	0.98	40350
62	14-May-19	85	0.97	23238
63	14-Jun-19	114	0.98	33768
64	14-Jul-19	164	0.98	63534
65	14-Aug-19	137	0.98	61145
66	14-Sep-19	138	0.98	42722
67	14-0ct-19	143	0.98	54804
68	14-Nov-19	135	0.98	46067
69	14-Dec-19	131	0.98	59469
70	14-Jan-20	133	0.98	59087
71	14-Feb-20	131	0.98	56772
72	14-Mar-20	118	0.98	38177
73	14-Apr-20	41	0.93	14007
74	14-May-20	132	0.93	35758
75	14-Jun-20	132	0.94	14170
/3	11-jun 20	Average Value =128 KVA july 2019 to june2020	Power Factor= 1	Annual Unit Consumed during period ofjuly 2019 to june2020 =578480

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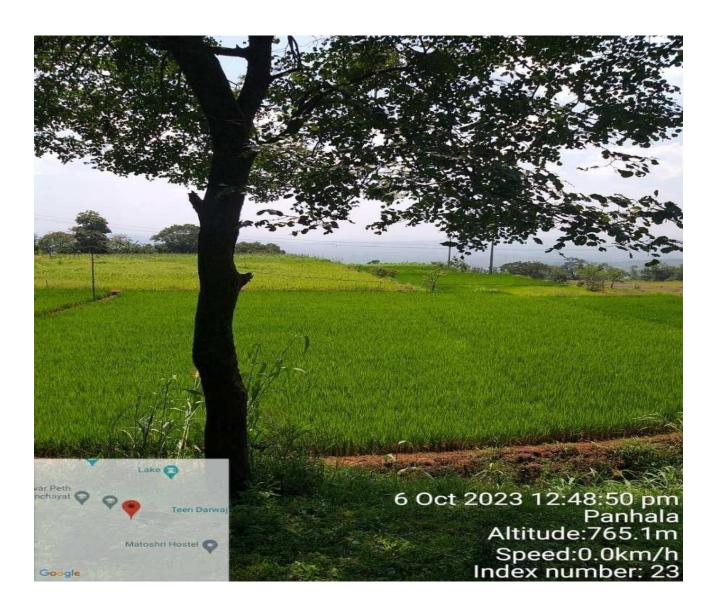


#### 1) Waste water recycling.

The waste water collected from the campus is taken to farm near the campus where horse feed is cultivated.







Photograph – Waste water conveyed to horse feed farm





10

Date - 15/09/2022

The Principal

SET Panhala

Sub: Regarding Scrap Material

Respected sir

1.

As per discussion with Hon Chairman Sit and Hon Principal Sit Desktops from Central Computing Facility and other department have problem related to motherboard, hard disk and Smps. These desktops are non repairable and need to write off from Deadstock register

50, permit us to write-off these desktops and other material

Separate list attached herewith.

Thanking You

Someded to Sanchin

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Bucommerched

SYSTEM ANALYST Sanjeevan Engg. & Tech, Institute Somwar Peth, Panhala Diet Kolheget (MS)

Signature Not Verified

#### Holy-wood Academy's

### Sanjeevan Engineering and Technology Institute, Panahala



#### **EQUIPMENT LIST**

#### HP-PRO-3090, DELL-360, DELL-380, INSPIRON, HP Z200. HP-3330 ALL DEPARTMENTS DEAD MACHINES NON REPAIRABLE

Sr. No	The state of the s	Oty.	Rate/Ro	Remar
-	Cabinets			
1	Cabinet 350/380	_		
2	Cabinet Hp-3099	_		1
3	Cabinet -Z-200	215	08	1
4	Inspiron		60	Dead
_ 5	(HP-3330			
6	other Cabinet			
	Total	7	17280	
	Monitors	1 1		
1	Dell/HP/Lenovo	140	50	
	Total		7000	Dead
			7000	
	Network Switch			
- 2	Dlink /Asus/Trendent	111	109	
1	Total		1100	Dead
			1100	
	Motheboards			
	Dell/HP/Asus	128	90	
1	Dell/HP	190	130	
	Total	318	36220	Dead
	1		30220	
	SMPS			
1	HP/DELL	166	70	
•	Total	166	1162C	Dead
	Mouse			
1	HP/DELL	60	5	W W
	Total	60	300	Dead
-	HDD			
	WD/Segate	12	08	
1	Total	12	960	Dead
		1	700	-
	Projectors			
	Motsubhishi/Epson	5	100	
2	Total	5	500	Dead
		1	300	
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	HP	3	200	
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SAHJEEVAHENG MISTITUTE PAREALA GATE No.: 2

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12.00 1 13.09-2022

1. MH- "SCA 5472

Revived cash Rs. 75,580/-

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## HOLY-WOOD ACADEMY'S



# SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Somawarpeth, Panhala.

Receipt No. 1493

## MISCELLANEOUS RECEIPT

Mr. / Miss. Malik Scrup	Kol	Date: 1511-2120.72
class Branch :		
Particulars	Algorithm (Control	Amount (Rs.)
Admission form Fee		
I-Card Fee		
Bonafide / Certificate Fee		
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Consultancy Fee		
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To

Date: - 23/11/2022

The Principal

SETI, Panhala

Sub:- .Regarding Dead monitors.

Respected sir

As per discussion with Hon Chairman Sir and Hon Principal Sir Monitors received from all departments have problem related screen and dead condition. These Monitors are non repairable and need to write off from Deadstock register.

So, permit us to write-off these monitors .

Separate list attached herewith .

Thanking You

Signature Not Verified
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SANJEEV NATVAR
NATVAR JAIN, CHESANJEEVAN
CHESANJEEVAN

#### Holy-wood Academy's Sanjeevan Engineering and Technology Institute, Panahala



6

#### **EQUIPMENT LIST**

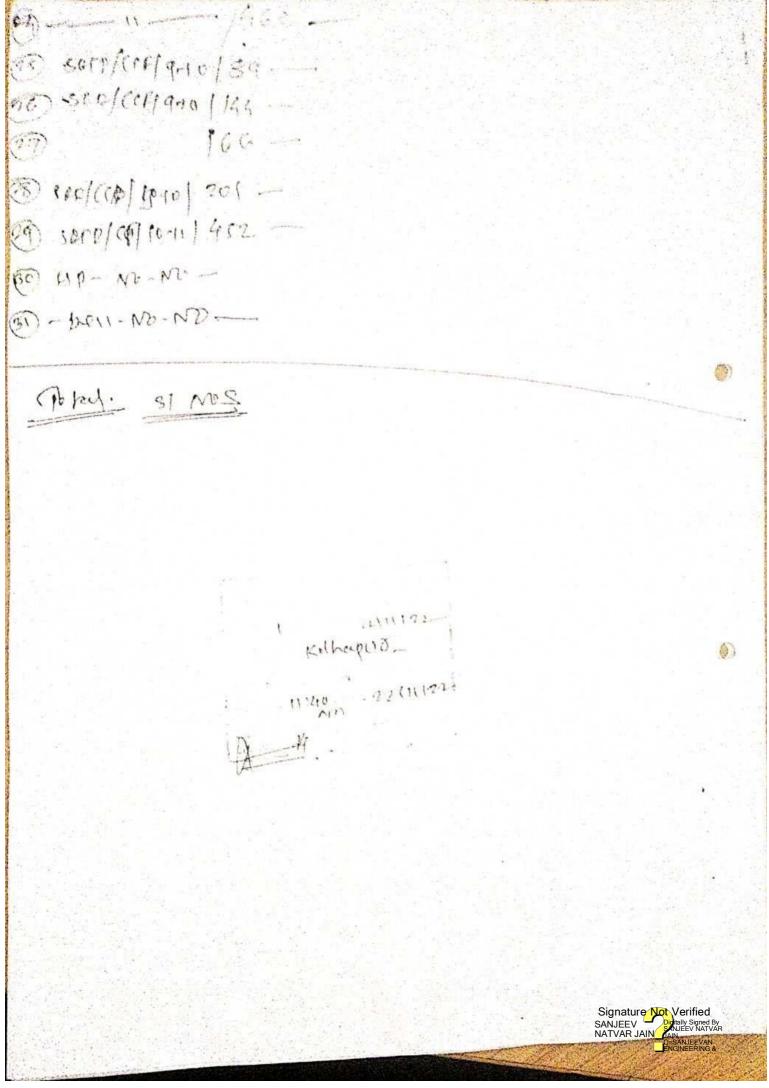
#### MONITORS ALL DEPARTMENTS DEAD MACHINES NON REPAIRABLE

Sr. No.	Particulars	Qty.	Remark
	DELL	29	NOT WORKING
1	SETI/COM/10-11/433	1	NOT WORKING
2	SETI/COM/10-11/471	1	NOT WORKING
3	SETI/COM/10-11/460	1	NOT WORKING
4	SETI/COM/10-11/481	1	NOT WORKING
5	SETI/COM/10-11/467	1	NOT WORKING
6	SETI/COM/10-11/415	1	NOT WORKING
7	SETI/COM/10-11/464	1	NOT WORKING
8	SETI/COM/10-11/451	1	NOT WORKING
9	SETI/COM/10-11/465	1	NOT WORKING
10	SETI/COM/10-11/480	1	NOT WORKING
11	SETI/COM/10-11/485	1	NOT WORKING
12	SETI/COM/10-11/419	1	NOT WORKING
13	SETI/COM/10-11/466	1	NOT WORKING
14	SETI/COM/10-11/452	1	NOT WORKING
15	SETI/COM/09-10/08	1	NOT WORKING
16	SETI/COM/09-10/57	1	NOT WORKING
17	SETI/COM/09-10/73	1	NOT WORKING
18	SETI/COM/09-10/44	1	NOT WORKING
19	SETI/COM/09-10/66	1	NOT WORKING
20	SETI/COM/09-10/89	1	NOT WORKING
21	SETI/COM/09-10/NO	1	NOT WORKING
22	SETI/COM/09-10/NO	1	NOT WORKING
	LENOVO		
23	SETI/COM/15-16/110	1	NOT WORKING
24	SETI/COM/15-16/105	1	NOT WORKING
25	SETI/COM/15-16/85	1	NOT WORKING
26	SETI/COM/15-16/174	1	NOT WORKING
27	SETI/COM/15-16/135	1	NOT WORKING
28	SETI/COM/15-16/109	1	NOT WORKING
29	SETI/COM/15-16/NO	1	NOT WORKING
	HP	1	NOT WORKING
30	SETI/CCF/09-10/201	1	NOT WORKING
31	HP NO NUMBER	1	NOT WORKING

Non working Monthers / Soup sold, 1001- year- NOS-Bulker : 22/11/22

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	그 그림이 되는데 아이들이 가게 되었다. 그 모에 하는 것이 모든데 되어 하는데 그를 하는데 그를 하는데 그리고 하는데 하는데 그렇게 되었다면 하는데 없었다면 하는데 없다. 그리고 하는데 그렇게 다 그리고 하는데 그렇게 되었다면 그렇게 되었다면 하는데 그렇게 되었다면 그렇게 그렇게 그렇게 되었다면 그렇게
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## Holy-wood Academy, Kolhapur's

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दिनांक ៖ 03/08/2022

मा . सहसचिव सो , यांना सादर



आपल्या महाविद्यालयातील विविध विभागाकडे असणारी स्क्रॅप रद्दी आपल्या पुर्व परवानगीने श्री संजय मेनसागरे यांना पुढील प्रमाणे देत आहोत.

			Total	36876.00
1	मिक्स रही	1756kg	21.00	36876.00
Sr. No	Material	Qty	Rate	Total

तरी वरीलप्रमाणे स्क्रॅप रही देणेसाठी मंजूरी मिळावी हि विनंती.

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PRINCIPAL

Sanjeevan Engg. & Jack Jostifute Somwar Peth, Panatona Jain

# Holy-Wood Academy's

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# SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City Somwar Peth-Injole Panhala, Tal. Panhala, Dist. Kothapur Pin-416 201 (Maharashtra) Phone 0231 2686600 21 Fax 0231 2686629

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www.enicdu.n Email nancipal@setredu.in / office@setredu.in

टिनांक ३ 17/05/2023

मा . प्राचार्यसाो, यांना सादर

आपल्या महाविद्यालयानील विविध विभागाकंड असणार्ग स्क्रॅप रही आपल्या पुर्व पग्वानगीने श्री संजय मनसागरं यांना पुढील प्रमाणे देन आहीत .

Sr. No	Material	Qty	Rate	Total
1	मिक्स रही	743kg	18.84	14000.00
			Total	14000.00

तरी वरीलप्रमाणे स्क्रॅप रही दंणेसाठी मंजूरी मिळावी हि विनंती.

Signature Not



## Holy-Wood Academy's SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE, PANHALA

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Receipt No. 1523

Holy-wood Academy's

## Sanjeevan Engineering & Technology Institute

Somwarpeth-Injole, Panhala

## MISCELLANEOUS RECEIPT

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Iranc	Class	
No.	Particulars	Amount (Rs.)
1	Admission Form fee	
2	I-Card Fee	
3	Bonafide / Certificate Fee	
4	TC/LC Fee	
5	Library Fee	
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Sanjeevan Engg. & Tech. Institute Somwar Peth, Panhala - 416 201





# SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth-Injole, Panhala, Tal. Panhala, Dist. Kolhapur- 416 201 Phone: 0231 - 2686623 / 24 / 28 Fax: 02328 - 235241 Mobile: 9545451966, 9545453831

■ Approved By AICTE - New Delhi ■ Recognized by Govt. of Maharashtra & DTE ■ Affiliated to Shivaji University, Kolhapur

EN 6315

दिनांक ៖ 15/02/2021

Solid waste management

मा - सहसचिव साो , यांना सादर

आपल्या महाविद्यालयातील विविध विभागाकडे असणारी स्क्रॅप रही आपल्या पुर्व परवानगीने श्री संजय मेनसागरे यांना पुढील प्रमाणे देत आहोत .

Sr. No	Material	Qty	Rate	Total
1	पेपर/पुस्तक रद्दी	1095kg	10.00	10950.00
			Total	10950.00

तरी वरीलप्रमाणे स्क्रॅप रद्दी देणेसाठी मंजूरी मिळावी हि विनंती.

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## HOLY-WOOD ACADEMY'S



## SANJEEVAN ENGINEERING & TECHNOLOGY INSTITUTE

Somawarpeth, Panhala.

## 1348 MISCELLANEOUS RECEIPT

Receipt No.  Received the amount from  Mr. / Miss. Shri Santay  class Branch:	Date:/7/3/2021
class Branch :	Amount (Rs.)
Admission form Fee  I-Card Fee Bonafide / Certificate Fee  TC / LC Fee Library Fee Department Breakage Consultancy Fee Other Fee  Paper, Raddi	10950/-
COST INSTITUTE IN	Total Rs. 10950/-
Inword Ten Thousand	Avine Hundred

Authoriesed Signatory A.c. Dept.





### Rain water harvesting structure and utilization in campus

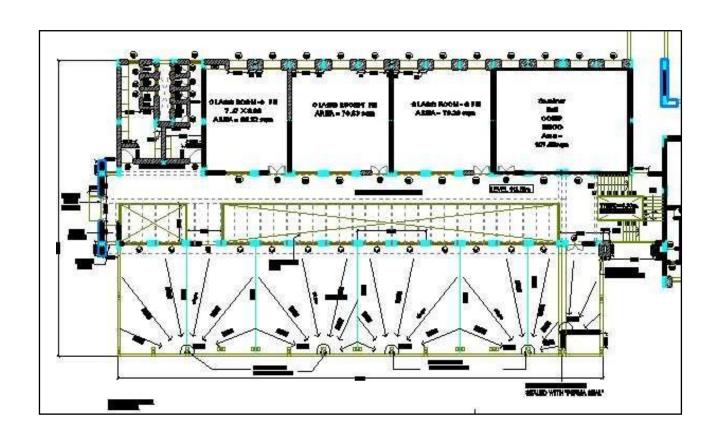
Sanjeevan engineering and technology institute Panhala is practicing the green initiative by taking various activities. One of the practices is to recharge ground water by rain water harvesting. Institute divide the total campus in building as A, B, C, D. Among them building A has facilitated with rain water harvesting unit. Detail of the scheme shown in the picture below.

### Rainwater harvesting pipe chamber





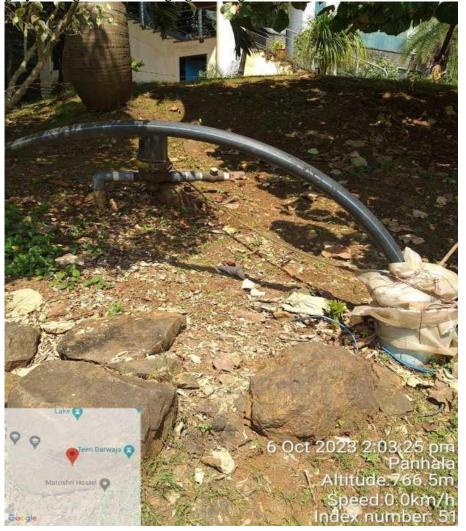
## Rain water harvesting scheme layout



## 1) Bore well recharging

The water from the roof top of the A campus building is collected and feed to 2 bore wells

near to building by aiming water recharging in the ground.



Photograph: Bore well water recharging.

## 2) Waste water recycling.

The waste water collected from the campus is taken to farm near the campus where horse feed is cultivated.





Photograph – Waste water conveyed to horse feed farm



#### 1) Maintenance of the water bodies and distributed system-

For daily water use Sanjeevan engineering and technology institute Panhala, takes the fresh water from near river and 3 in campus bore wells. Initially the water is collected in overheat concrete tank of 1,00,000 liter from where it is distributed in campus. For drinking water institute installed 3000 lit/hr capacity reverse osmosis (RO) plant for assuring the quality water. Periodic cleaning and maintenance of the water distribution system is carried out by the maintenance department.











SANJEEVAN

ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

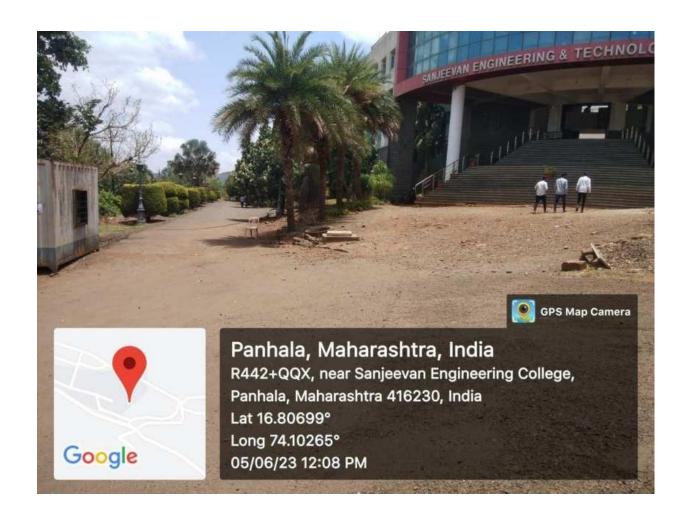
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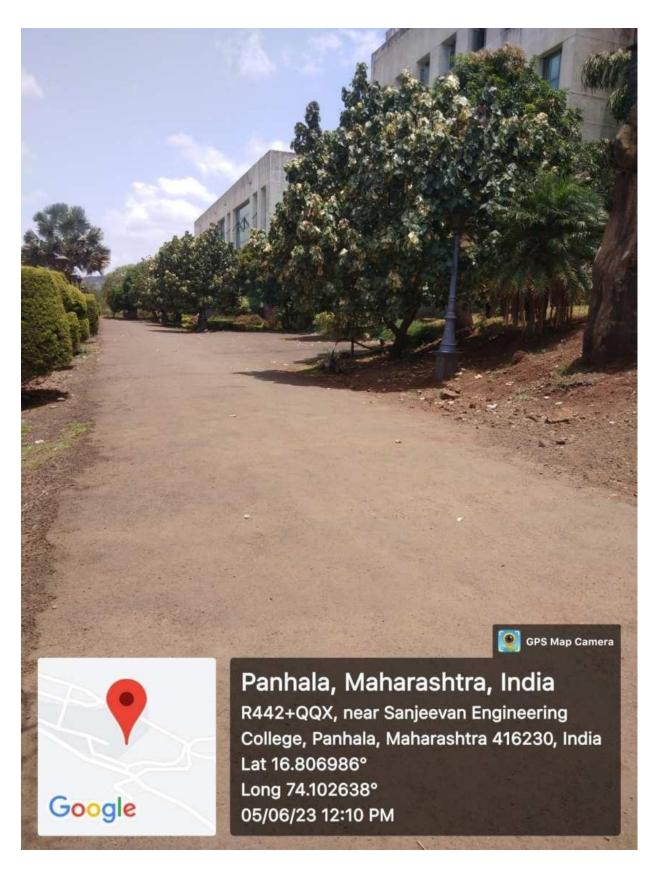
Pin-416 201 (Maharashtra) Phone: 9146999500

O Approved By AICTE, New Delhi O Recognized by Govt. of Maharashtra & DTE O Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad

### Restricted entry of automobile



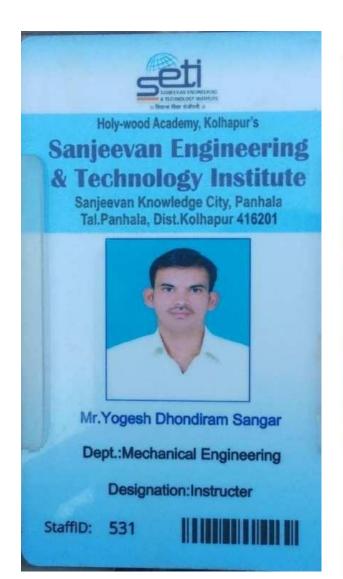






### Use of Battery powered vehicles







### Ban of Plastic







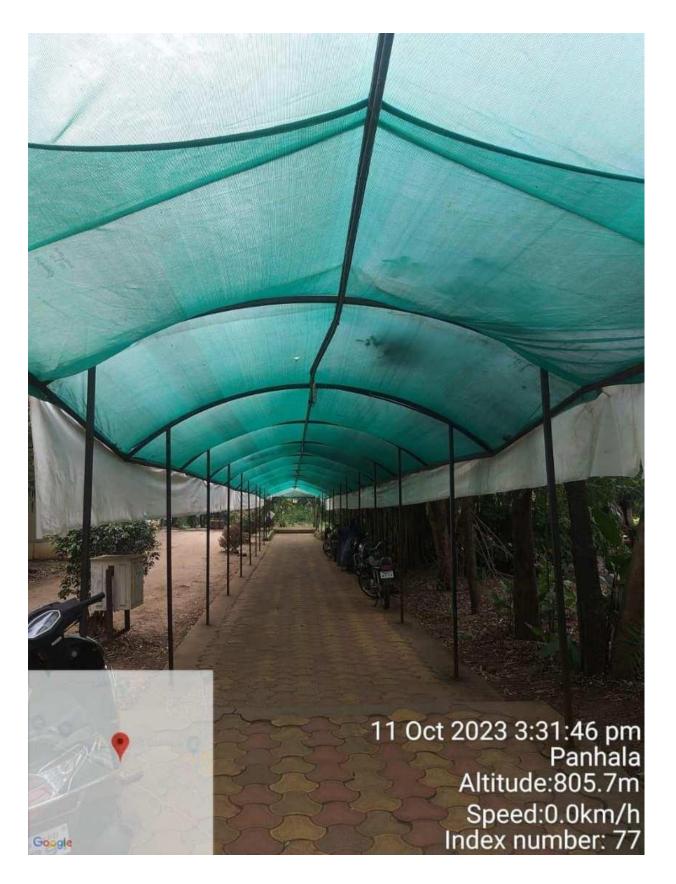


## **Landscaping With Tree and Plants**



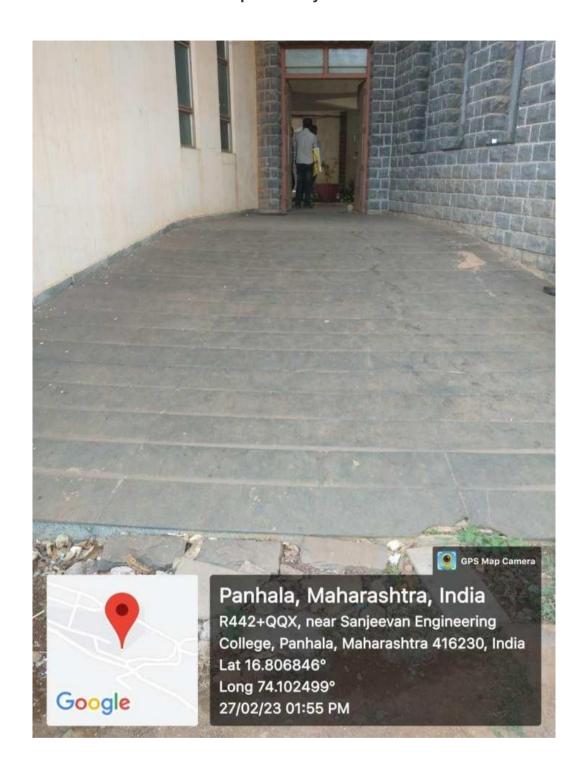


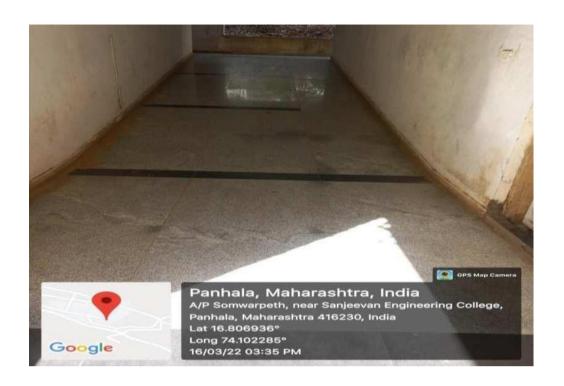






1. Built environment with ramps for easy access to classrooms.





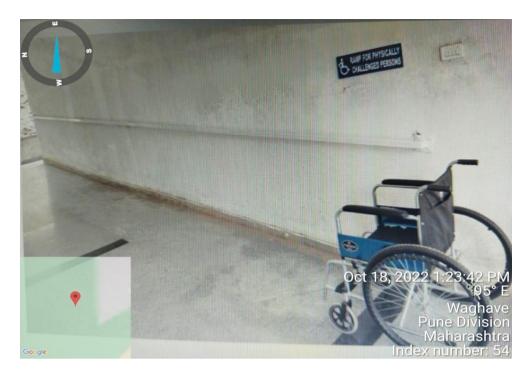




### 2. washroom







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3. Scriber facility is available at the institute for the examination purpose