

### Karmveer Vitthal Ramji Shinde Shikshan Sanstha's

### SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ

DIST. KOLHAPUR (MAHARASHTRA) 4165002

.....

### **Criterion VII**

### INSTITUTIONAL VALUES AND BEST PRACTICES

### **DVV** Clarification

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

- 1. Policy documents of the institution.
- 2. Geo tagged photographs of the facilities with caption.
- 3. Bills for the purchase of equipments.
- 4. Brief report of the facilities.
- 5. Circulars, reports.
- 6. Ramps / rails/lift/wheel chair/signage board/restroom/ software with specific requirement of Divyangjan for their use.







# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **ENVIRONMENT POLICY**

The main aspect of this environmental policy is to ensure that the institute operates in a sustainable manner, minimizes its environmental impact and promotes awareness and education on environmental issues within the institute community.

### **POLICY STATEMENT**

Our institute has been aware of environmental issues since its establishment. Our institution has 12.50 acres of area, out of which the majority of area is covered with green canopy and acts as an environmental stabilizer. To protect our environment, the institute has implemented the Environment policy in a systematic manner including with every aspect of the institute. All the Departments (including NSS, NCC) prominently take part in environment awareness programs, activities in each academic year.

The institute has established an environment committee and designed an 'Environment Policy' for protection and creating an eco-friendly campus.

### **OBJECTIVES AND MISSION**

- To increases awareness among stakeholders about the conservation of Natural resources.
  - To organize activities related to environmental protection in every department.
  - To promote environmental awareness programs through NSS and NCC.
  - Organize workshops, seminars and lectures to raise environmental awareness in the local community surrounding the institute.
  - To encourage students to participate in competitions and programs related to environmental issues.
  - Establish a Nature club and green corner in the institute.
  - Reduce and control air pollution by promoting the use of eco-friendly vehicles or implementing a "No Vehicle Day" once a month.

- Guide students in environment-related projects such as Apiculture and vermicomposting.
- Install LED bulbs and tubes throughout the campus for energy conservation.
- Discuss environmental issues with municipal corporations, government bodies and NGOs. 2
- To conduct energy and green audits regularly to monitor energy use.
- Implement solar panels to conserve electricity.
- Label all plants in the campus for easy identification.
- Manage the disposal of e-waste, solid waste and liquid waste generated by the campus.
- Implement sustainable rainwater harvesting within the institute.
- Encourage students and faculty members to study the flora and fauna of the campus.
- Promote a "Plastic HatavMohim" (plastic removal campaign).
- To organize exhibitions and best practices related to environmental awareness.
- To conduct cleanliness campaigns in various areas with the help of NSS and NCC units.
- To develop a plant nursery in the institute and propagates plantlets in the society.
- To conduct tree plantation programs in different areas.
- Establish a visually appealing botanical garden within the institute.
- To arrange botanical tours, jungle safaris, tracking programs and camps for studying and conserving the environment.

Hence, our institute is committed to protecting the environment, promoting sustainability and reducing our environmental impact. We will continually review our environmental performance and strive to improve our practices. We will also encourage the institute community to actively participate in environmental initiatives and contribute to a more sustainable future







# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

\_\_\_\_

### 7.1.2: The Institution has facilities and initiative for:

### 1. Alternate Sources of Energy and Energy conservation measures:

### **Solar Power Energy Facilities:**

Sr.No	Facilities Available	Remark	Description
1	Solar Power Plant	Yes	College has installed Total1000 Watt.
1	Solai I Owel I lain	168	Rooftop Solar Power Plants to harness the
			solar energy
2	Solar Water Heater	Yes	College has installed Ladies Hostel Rooftop
			Solar Water Heater Plants to harness the
			solar energy Water
3	Wheeling to the Grid	Yes	Excess solar energy generated by rooftop
			solar modules are exported to the grid of
			electricity distribution utility.
4	Sensor Based Energy	Yes	Installed timer-basedcontrol panel to Physics
	Conservation		lab, Principal Cabin, Administrative Office
5	Use of LED Bulbs	Yes	College adopted energy efficient lighting
			including L.E.D. based Bulbs and tube lights
			etc. to Promote energy efficiency.







DIST. KOLHAPUR (MAHARASHTRA) 4165002

### 1. The Institution has Facilities For alternate sources of energy and conservation

### **Solar Energy Panels on the roof of Cultural Hall**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **Solar Panel Control Meter**













### **Wheeling to the Grid Panel**







PRINCIPAL
Shivraj College of Arts, Commerce &
D.S. Kadam Sofence College,
GADHINGLAJ (Dist Kolhapur)



DIST. KOLHAPUR (MAHARASHTRA) 4165002

**Solar Bulbs** : 1. Principal Cabin

2. Administrative Office











DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **Solar Water Heater on The Ladies Hostel**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **Use of LED bulbs and Power efficient equipment:**

### Our College use of LED bulbs

- 1. Principal Cabin
- 2. Library
- 3. Computer laboratory
- 4. IQAC Room
- 5. Counselling Cell
- 6. Guest Room
- 7. Meeting Hall





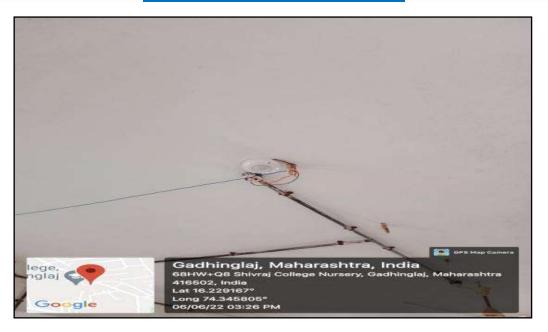






DIST. KOLHAPUR (MAHARASHTRA) 4165002

### Sensor based Light on off system

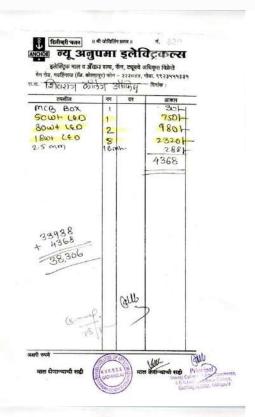




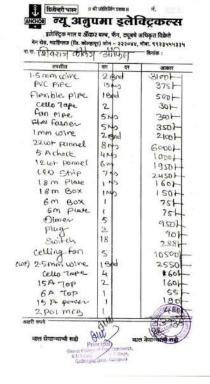
PRINCIPAL
Shivraj College of Arts, Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kohapur)

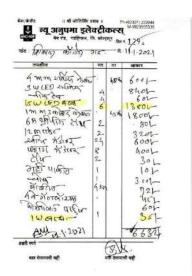
### **Alternate Sources of Energy and Energy conservation measures bills:**





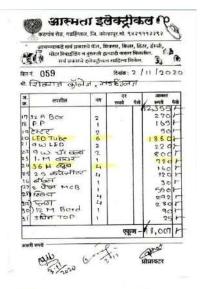
R. B. S.	Shipping T, Though	GSTIN N		ERPRIS	SES	
Comparison   Com			a Dieta Ra	9920123	- Contraction	
Description of Science   Description of Scie	The Principal, Stiving Comps Colleges Del Holosov #1000				MACKE NO.	See
OVER CHI Date   Decision Scale PV Part   Mark   M	GSTW No-				\$6/201920/95	9-2419
10000 Color Text   10000 State Pic Pearl   100	the state of the s	HSN CODE	any	Limite	AATE	4000
Taronte Yalas ADD COST 2 PA ADD SOST 2 PA 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000	10wat T-LED bulb	**	276	pos	190.00	6,00,000.0
ADR COST 2 (%)  ADR COST 2 (%)  ADR COST 2 (%)  1000 0 0 1 (%)	Yonar					8.05,836.2
METS 31  MET	ADD 0057 2.5% ADD 8057 2.5% ADD 0057 6% ADD 9057 6% ADD 9057 9%					15000 0 15000 0 3,146,40 3,146,40 13,805 12
The state   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100	PT LEX Long time Thromand Server Turbhild and Many Server Lexified to server Server To The Contraction The Contraction of Tables and Tables Server To The Contraction of Tables and Tables				Pay	800 -





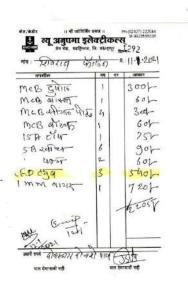






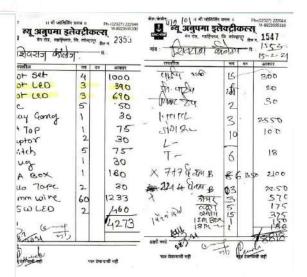






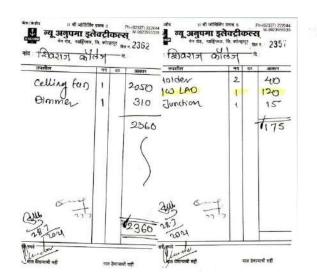






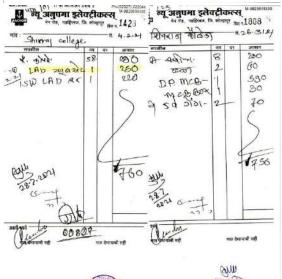






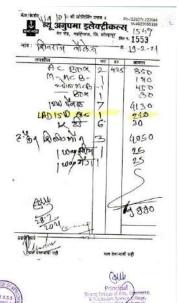










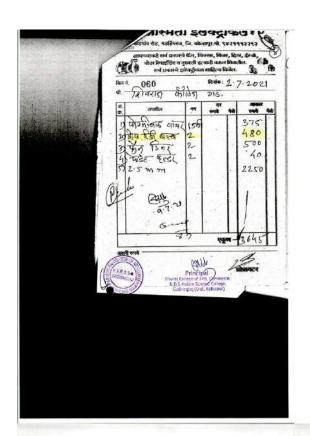


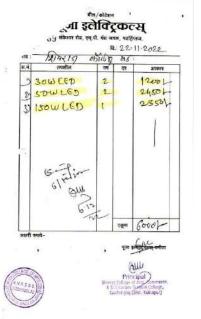












कितीवही चलन । भी जोतिर्वित साल । भं. व्यू अवुधमा इलेक्ट्रिकल्स इलेक्ट्रिक पात व अँका राष्ट्र, ट्यूबरे जीवकृत विकेते नेत्र पेड, पाडिक्का (कि. गोकापुर) जोन - २२२०५४, गोस. १९२३५५४३३५ पा.स. व्यक्ति कार्

15 wt parmet 2830 180 50 45 Adapter 3m plake. 3m Surface 5 A Connector 30 15 A power sox 3 450 15 WOH SLITFACE FOR 43 2360 ISWI LED 660 Capaciter 160 Crompton fun 1550 3600 Tube 70 12m place 180 12m surfu 130 S.S. LAV Orient Gire 4600 Inlet outlet pie 550 Gizer Coil 480 2.5 mm wire 2550 Playible pire L 6,925 10) 21715 7 16935 7 SSS75+

क्षितीचरी चलन ॥ वी जीतिरिंग प्रथम ॥ वं. १००१ व्यापन

इसेन्द्रिक मात व ऑकार बस्य, कंन, ट्यूबरे अधिकृत विक्रेत गंग रोज, प्रवर्कितान (हि. बोन्हासून) मोन - २२२०४४, मोबा. ९२२४५५४३५ ग.ता. जिस्सान (केंप्रेड) स्थाता अस्ति। क्रियंक : 6-10-22

तपशील	91	ttA	आकार
2000+ Tube	17N	g ·	39104
1807 LED	2	10	5804
4 way Gong	1		150
Cobin	12		241
to mm wive	2.50		625 H
Switch ziva	11		1764
plug-	8	- 1	360
3 way Gong	1	- 4	35
25mm pipe	35		-1028E
25 mm Bend	12		180
25 mm T	30		210
Cello Toupe	7	- 1	1054
1.5 mm wire	sand		49501
LED check			150
4 way mes sox	2		1604
20AMCB	6	1	780
HOM MCB	1		1304
.2 m punchan	2		3201-
250 m cable to	100	- 1	not
Dimmer	5		9504
15 A Switch A.P.		- 1	4001
1514 pluy A.P	4	- 1	561-1
Counting party	37	1	2340
Angle Holder	22		660

He said the principal short form of the control of





#### कार्यालयीन टिपणी

संदर्भ – एल.ई.डी.बल्ब व वायर खरेदी बील देणेस मंजूरी मिळणेबाबत.

सविनय सादर,

आपल्या महाविद्यालयामध्ये लाईट फिटींग करणेसाटी वायर व एल.ई.डी. बल्य श्री.दत्त इलेक्ट्रिकल्स, गडहिंग्लज यांचेकडून खरेटी केले असून सदर साहित्याचे बॉल रक्कम रुपये ३००० 🖈 इतके झाले आहे. तरी सदर बील देणेस मंजूरी मिळावी ही विनंती.

सविनय सादर, कि के कनिष्ट लिपीक







chequeno 137536 तर ०4021201g Buch









्रितीब्री पतन ॥ श्रे भोतिक्ष प्रवर ॥ नं. ४३० क्राताका न्यू अनुपमा इलेक्ट्रिकल्स

इलेक्ट्रिक माल व ॲंक्टर बल्ब, फॅन, ट्यूबर्व अधिकृत विकेते मेन रोठ, गठकिंगल (जि. कोल्हावूर) योग – २२२०४४, योबा, ९९२३५५५३३५

नर दर

2 16mm

SOL-

9801

2881

4368

ण.ण. जिल्हान क्रीलेन ऑफिस

BOWH LED

180+ LED

॥ श्री गळानन प्रसप्त ॥

नेपाता : १२३-१५ शेट्टी इलोक्ट्रिकल्स् रगापीच्य गाता रं. १- घटाने ग्रेट, गर्वास्त्वर, १९६९-२ (वि. कोलाप्) इलेक्ट्रिक ग्राहित्वाचे शैतसेत व किस्तोज विकेरे

तपशील	नग	दर	रपवे पैर
21W LED Tubese	1	350	350
loow food light	1 1 3	2900	2900
36 W Tellie	8	45	360
Dectabric chock	6	180	1080
Streighph	2	10	20
23/60 Glass wire	1 (6)	820	820
Electronic Chock	2-	180	360
Tube starter	4	21	60
power plote + box	2	180	360
36 w Tube	6	50	300
Dechrose chick Tubestand	45	100	1200

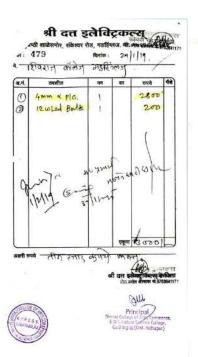












प्राा इतेक्ट्रिक्ट्स्
प्राा इतेक्ट्रिक्ट्स्
विकार 190 विभाग की. एव. में में बावक, नोहिंक्या विकार विकार की. एव. में में बावक, नोहिंक्या विकार विकार की. एव. में में बावक, नोहिंक्या विकार विकार की. एवं की कार्य विकार की. प्राप्त की. अ 3 3901 390 वर्ष की की. अ 3 3901 390 वर्ष की कार्य के कार







दिनांक - 17/01/2019 (

#### कार्यालयीन टिप्पणी

संदर्भ :- एल.ई.डी.बल्ब व वायर खरेदी बीलास मंजुरी मिळगेबाबत....

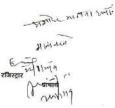
वरील विषयास अनुसरुन महाविद्यालयामध्ये रात्रीच्यावेळी स्टेजच्या बांपकामाकरीता एल.इ.डी. धव्य य यायर खरेदी खर्च हिंदहुम्मी इलेक्ट्रीकरूस यांचे बीलाप्रमाणे रा 1130/—(हम्प्ये एक हजार एकशेहे तीस फक्त) होते. तरी सदर बील देणेस मान्यता मिळाबी, ही विनती.

पूढील आदेशासाठी सादर

\_ Come

....



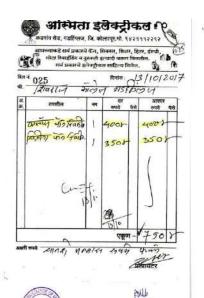




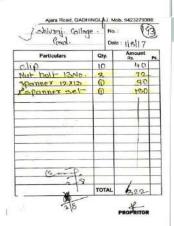




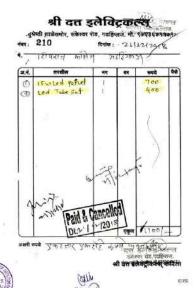


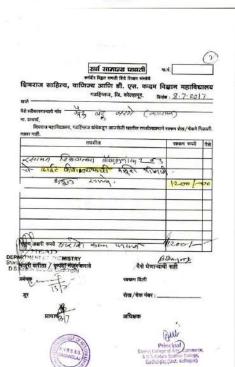




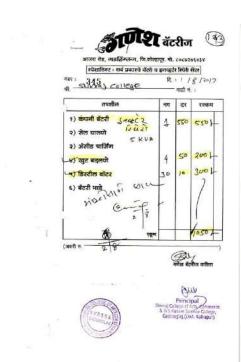


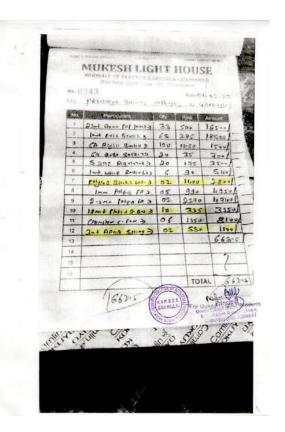














PRINCIPAL
Shivraj College of Arts, Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kolhapur)



DIST. KOLHAPUR (MAHARASHTRA) 4165002

### 2. <u>Management of the various types of degradable and non-degradablewaste</u>

To maintain clean and green campus has been the top agenda of our institute. College has a green campus and gives priority to keep the campus clean and ecofriendly. The solid waste management is classified as degradable and non-degradable wastes. For the degradable solid waste management, we have open composting and Vermin composting unit. Solid waste is collected in dustbins kept at several places. The leaf litter, twigs of the plants used for practical in Botany department are collected and subjected to composting. Vermicompost is harvested and used for plants as manure in campus garden. Non degradable waste contains building debris, plastic, glass, metal scrap etc. Recyclable plastic, glass waste, metal scrap is sold to scrap merchant and Building debris is used for land filling in the campus.

E-waste management- E-waste generated is collected and stored in the store room. All collected waste has been sold to authorized vender.

Waste recycling system - No

Hazardous chemicals and radioactive waste management – No

Radioactive waste is generated in the campus.

### Waste Management Facility

Sr. No	Available Facility	Remark
1	Solid waste management	Yes
2	Biomedical waste management	No
3	E-waste management	Yes







DIST. KOLHAPUR (MAHARASHTRA) 4165002

2. Describe the facilities in the institution for the management of the following types of degradable and non – degradablewaste:

**<u>A) Solid Waste Management</u>: Use of Dustbin in Institute** 











DIST. KOLHAPUR (MAHARASHTRA) 4165002



### **Use of Dustbin in College Campus**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **Vermicompost Plant**





### **Vermicompost Plant**







DIST. KOLHAPUR (MAHARASHTRA) 4165002

### E) E- Waste Management

### **E-Waste Collection Bin**













### E-waste being given to Gadhinglaj Municipal Corporation E-waste Collection Centre







# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

-----

### E- Waste Management MOU

### ShivarajCollege,Gadhinglaj&Akrishvam Recyclers, Surat

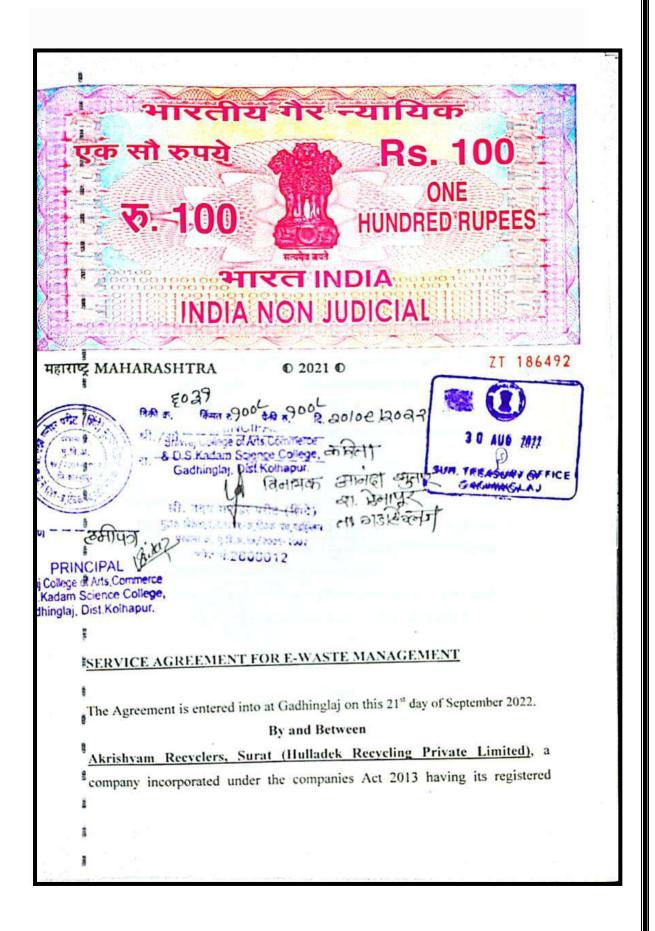
By and Between

Akrishyam Recyclers, Surat (Hulladek Recycling Private Limited),

AND

Shivraj College of Arts, Commerce and D.S. Kadam Science College,
Gadhinglaj, Dist- Kolhapur, Maharashtra – 416502

Agreement Period - 21-09-2022 to 20-09-2027



office at A15 Viraj Campus, Punagam Canal Road, Surat, Gujarat, India thereinafter referred to as First Party which expression shall unless contrary to and or repugnant to the context mean and include its successors representative and permitted assigns through Mr. Hardik Gurav to enter into and sign this Agreement for and on behalf of the First Party.

#### AND

Shivraj College of Arts, Commerce and D.S. Kadam Science College, Gadhinglaj, Dist- Kolhapur ,Maharashtra – 416502 there in after referred to as Second Party which expression shall unless contrary to and or repugnant to the context mean and include its successors representative and permitted assigns through Principal, Shivraj College of Arts, Commerce and D.S. Kadam Science College, Gadhinglaj to enter into and sign this Agreement for and on behalf of the Second Party.

- A.) First party is a registered Producer Responsibility Organization (PRO) vide the Registration No. <u>B-29016(12)/ (PRO)/18/WM-III Division</u> dated <u>12.11.2018</u> valid up to <u>12.11.2023</u> and is authorized to undertake activities prescribed for Producer Responsibility Organizations.
- B.) The Second Party in compliance of E-waste Management Rules, 2016 desires to have services for management of their Electronic Waste except liquid waste.

Now being that the second party is a client, this Agreement witnesses the following terms & conditions to be performed by both the parties to the Agreement.

The First Party has agreed to pick up, transport, carry and recycle/dispose
of the E-waste from the Second Party as per the norms prescribed by the
Government Authorities from time to time.

- The First Party has agreed to make available Utilization Certificate confirming that E-waste provided by the Second Party to the First Party has been recycled/disposed of as per the norms prescribed by the Government Authorities withing 60 days of the pickup the E-waste.
- The Second Party will sign required documents to acknowledge that Ewaste has been handed over to the First Party.
- 3. This agreement will be in force for a period of <u>Five (05) years</u> (21.09.2022 20.09.2027) from the date of execution of this Agreement and can be renewed at the end of every period by mutual consent.
- The Second Party is expected to generate minimum 100 kgs of E-waste annually during each contractual term.
- 5. The First Party Shall install an" <u>E-waste Collection Bin" of Size "1 meter(L)x0.9meter (D) x 0.8 meter (W)" at location as may be prescribed by the second party.</u>
- 6. The Second Party has agreed to pay an 'agreement fee' of №4,500 /- + 18%GST annually to the first party as fee for the contract. Total of № 22,500 /- + 18%GST to be paid one time in advance. Rent for 5 years of the E-waste Bin and Awareness Session included.
- 7. The Second Party will accumulate all E-waste and inform to the first party once reasonable volume (approx. 100 kgs minimum) has accumulated. The pickups confirmed by the Second Party will be carried out on a priority basis within Five days from the date of request.
- 8. The Second Party has agreed to handover the E-waste items, the details of which are mentioned here below to the First Party on "as in where is basis". The First Party will dispose of such equipment and specifically agreed that they will charge the second party.
- The Second Party has agreed to handover the E-waste, the details of which are mentioned here below to The First Party on "as in where is basis".

- 10. The First Party will pay in case of the E-waste after inspection. Any money payable/receivable by the First Party will be identified and settled by 7<sup>th</sup> of preceding month for the current month or the subsequent month as may be mutually decided from time to time. Applicable GST on such items will be additional.
- 11. The Second Party's responsibility will cease once electronic waste has been handed over to the First Party. Thereafter, no liability would accrue to the Second Party on account of e-waste.
- 12. The renewal of the contract is non-chargeable at the end of the tenure/period and the documentation formalities shall be done by the First Party within 30-45 days prior to the date of agreement termination.
- Records & data of the e-waste material procured will be maintained and transparently shared by the First Party.
- The First Party shall provide compliance documents such as <u>Form- 6</u> (<u>manifest</u>) and <u>Recycling Certificate</u> required as per government norms.
- The Second Party has agreed that the general waste such as <u>municipal</u> solid waste will not be included in the E-waste.
- 16. It is clearly agreed that all the E-waste procured by or in the possession of the Second Party will be exclusively managed by the First Party as per the term and conditions specified above. In case of such activity, an annual penalty of Rs. 5000 will be charged on a pro rata basis.
- 17. The First Party shall conduct an 'Awareness Sessions' at the premises suggested by and in collaboration with the 'Second Party' for generating awareness about the benefits and process of e-waste recycling.
- 18. Either party can terminate this Agreement by giving 45 days written notice in advance to the other party citing reasonable grounds for such action. However, the other party is not entitled to claim any compensation for such premature termination if with reasonable sufficient grounds.

M/s. Akrishyam Recycles

Authorized Signatory (Mr. Hardik Gurav) Second Party

College of Arts, Commerce And

D.S. Kadam Seign of Arts Administration of the College of Arts of the

Principal, Shivraj College of Arts, Commerce and D.S. Kadam Science College, Gadhinglaj

Witness

2) Mr. Rayindow B. Klut. Prisant



### Agreement of Akrishvam Recyclers, Surat



PRINCIPAL
Shivraj College of Arts, Commerce &
D. S. Kadrum Science College,
GADHINGLAJ (Dist Kolhapur)



### KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

### 3. Water Conservation.

### 3. Water conservation facilities available in the Institution

### 1. Rain water harvesting

Due to rapid increase demand for water among fast growing human population, there lies a great opportunity of harvesting rainwater to meet the scarcity of water and avoid destruction of the normal groundwater level. Rainwater harvesting is an important environment friendly approach. Rainwater and run-off water, stored in a planned way, can save the earth from soil erosion and flood and recharge the aquifers to increase the groundwater level. Rainwater harvesting is ecofriendly and economical.

#### Practice: -

In our campus of the Institute, rainwater harvesting system has been installed near the college canteen, Department of Chemistry and Gymnasium. The roof runoff water is collected through network of pipe lines and stored in the tanks. There are three tanks in the campus where the roof runoff water is stored. The total capacity of storage is 2000 lit. The remaining roof runoff water is allowed to infiltrate in the ground for recharge. The stored water is used for gardening.

### 2. Bore well recharge

In the institute, there is a bore well near entrance gate. The bore well fulfills the daily requirement of water on the campus including lady's hostel. The roof runoff water is collected through network of pipe lines and recharged in scientific way near bore well to increase the ground water level.

#### 3. Construction of tank

The institute has constructed tank in the campus to collect and surface runoff water during rainy season. It helps to increase the ground water level on the campus.

### 4. Maintenance of water and distribution system in the campus

Water tanks are maintained regularly. The water from bore well lifted to tanks placed on roof and is distributed through network of pipelines to all over the campus. The generated waste water is used for the gardening.

### • Rain water harvesting











PRINCIPAL
Shivraj College of Arts Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kolhapur)

### **Waste water Maintenance in the campus:**







PRINCIPAL
Shivraj College of Arts commerce &
D.S.Kadam Science College,
GADHINGLAJ (Dist Kolhapur)

### **Bore well Recharge**







PRINCIPAL
Shivaj College of Arts, Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kohapur)

### **Maintenance of water bodies and distribution System in college campus:**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **4.Green Campus initiatives:**

Green Campus Initiatives

Sr.No	Facility	Remark
1	Restricted entry of automobiles	Yes
2	Use of Bicycles /Use of Battery Powered Vehicles	Yes
3	Pedestrian Friendly Patha ways	Yes
4	Landscaping with trees and plants	Yes



PRINCIPAL
Shivraj College of Arts Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kolhapur)



DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### Restricted entry of Automobiles ..... NO ENTRY BOARD



#### Parking: Outside the Campus Outside Automobiles.









DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Battery Powered Vechicles use our Staff**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Use of Bicycles for student**













# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Pedestrian Friendly Pathway**







PRINCIPAL
Shivraj College of Arta, Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist. Kothapur)



# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

\_\_\_\_\_

#### Landscaping











#### Shivraj College of Arts, Commerce & D. S. Kadam Science College, Gadhinglaj.

#### **Green Campus:**

Since establishment of institute, we are aware of making the institute campus full-fledged with plants. The Institution is having 14 acres of campus out of that majority of area is covered with green canopy. At the frontage of institute large sized avenue trees like Shirish, Gulmohar, Kashid, Suru plants are growing from many years as environmental stabilizer. The eco-friendly institute campus is associated with rich flora of trees, shrubs, herbs, palms and climbers and some interesting fauna. There are many socio-economically valuable plants grown in the campus. The Institute along with the Department of Botany, actively focuses on the conservation of wild, endemic and endangered plants in our region. Most of the trees are naturally grown and some of the trees, shrubs and palms are planted obviously to control pollution and for the beautification of the campus. Row of Royal palms was planted from the main entrance gate of the campus, which gives a royal look that added one feather to the cap of the Institute. Incidentally some part of the campus is covered with rich wild herbal flora which includes medicinal plants. Number of the activities regarding the environment protection was carried out along the curriculum of the institute.

Obviously, this dense green flora is associated with some local fauna, mostly beautiful and colorful butterflies, beetles, bees, ants and caterpillars etc. Some varieties of migrating birds like cranes are landing in the campus in late rainy season and giving extra beautification to the campus. On the other hand, varieties of birds like woodpecker, owls, sparrows, pigeons, parrots, dove, eagle, bulbul etc. are regularly visiting in search of food. In view of recent demand on biodiversity conservation, the entire bio rich campus was scanned to collect information of some flora and fauna in the form of data. Interestingly more than 150 plant species of trees, shrubs, wild herbs and some birds, small animals and insects were present in institute campus. Institute management is regularly taking traditional care (sprinkler and drip irrigation) for the conservation of campus flora and fauna.

Campus flora consists of 264 trees, 89 shrubs, 62 palms, 10 climbers and a continuous belt of small herbs belonging to various families of angiosperms, gymnosperms and pteridophytes. Most of

the trees are old and tall with thick, green canopy which is suitable for the growth of the lower group plants like lichens, bryophytes and different types of mushrooms on the bark of the trees in late rainy season. Along with wild plant species, different varieties of species and some exotic species are also grown on campus. There are 65 tree species, 17 shrub species, 10 climber species, 8 palm species, 2 aquatic species and approximately 120 herbal species among these 45 species were weeds.

Mostly Department of Botany try to conserve wild or endemic plants like Adansoniadigitata, Albigealabak, Artocarpusheterophyllus, Bauhinia purpurea, Buteamonosperma, Calophylluminophyllum, Careyaarborea, Casuarinaequisetifolia, Caryotaurens, Salaciachinensis, Sennasiamea, Tectonagrandis, Tamarindusindica, Syzygiumcumini, Santalum album. Psidiumguajava, Pongamiapinnata, Oroxylumindicum, Mangiferaindica, Magnolia champaca etc. instead of exotic plants.

Many medicinally important plants were conserved in institute campus like Justiciaadhatoda, Aloe vera, Ocimumtenueiflorum, Trachyspermumammi, Cissusquadrangularis, Boerhaviadiffusa, Santalum album, Cymbopogoncitratus, Bryophyllumpinnatum, Phyllanthusemblica, Tinosporacordifolia, Achyranthesaspera, Asparagus racemosus etc.

Many ornamental plants like Lagerstroemia speciosa, Hibiscus rosa-sinensis, Erythrinasuberosa, Delonixregia, Couroupitaguianensis, Bauhinia variegata, Buteamonosperma, Callistemon citrinus, Rosa indicaetc. were enriched by the aesthetic beauty of our campus.

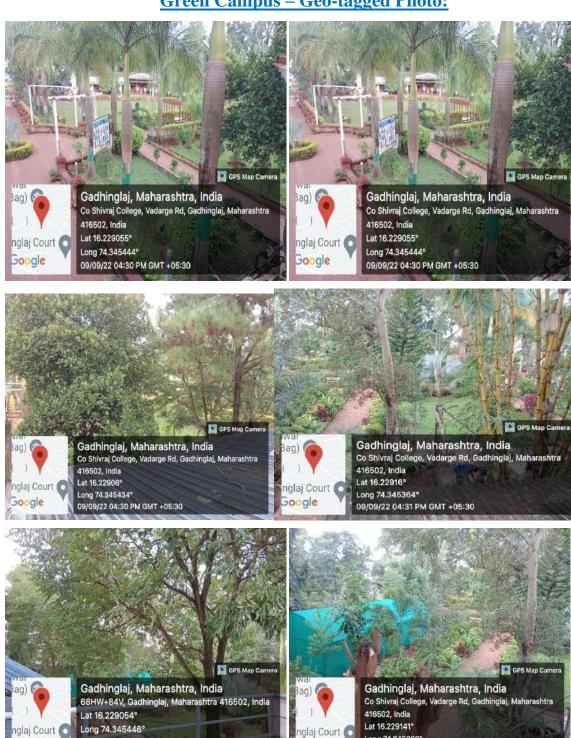
Our institute develops a shade net for cultivation of ornamental flowering plants and medicinal plants. There are 74 different plant species of ornamental, medicinal, wild vegetables, sugarcane varieties etc.

As per green campus concerns, The Institute is focused fully involved in the development of plant nursery along with the Botany Department. The main aim of the plant nursery is to multiply different types of tree species plantlets and distribute to students and society to plant and to conserve the environment. Every year before the rainy season our institute develops many plantlets of SyzigiumCumini, Pongameapinnata,Arthocarpusheterophyllus, Mangiferaindica etc. and hand them over to the society.

Recently the institute developed a Rock Garden at the entrance of the institute which adds a new feather on the hat of the institute. This rock garden is more beautiful and aesthetic due to small sized flowering plants arranged in between big sized rocks.

The institute has two important plants i.e., Pinus tree and Indian Rubber Tree which is the main strength of the institute. These trees add more oxygen to the institute environment. Along with that the institute and Zoology department actively participated in apiculture program which encouraged farmers for agriculture practice.

#### **Green Campus – Geo-tagged Photo:**



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

Boogle

Long 74.345389°

09/09/22 04:31 PM GMT +05:30

oogle

#### **Water Falls**



#### **Lawn**



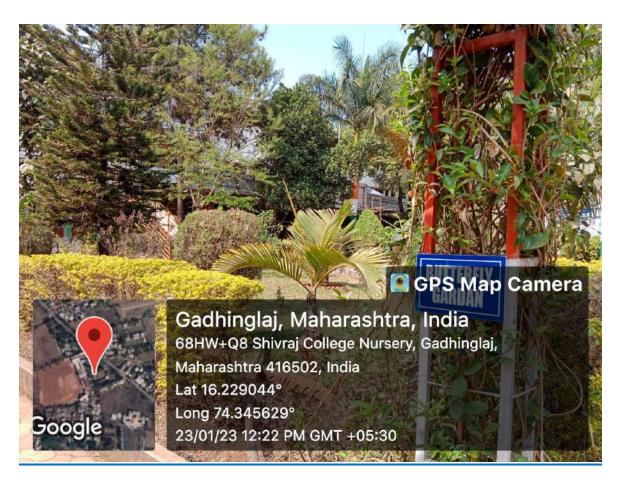
#### **Garden:**



#### **Rock Garden**



**Butterfly Garden** 



#### **Botonical Green House**



#### **Nursery**









DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### 7.1.2 Internal Quality Assurance System (IQAC)

#### BRIEF REPORT OF THE FACILITIES PROVIDED BY THE INSTITUTE

#### ALTERNATIVE SOURCES OF ENERGY AND ENERGY CONSERVATION:

Shivraj College Gadhinglaj utilizes several alternate sources of energy and implements energy conservation measures, such as a solar power plant, solar water heater, wheeling to the grid, sensor-based energy conservation and use of LED bulbs.

#### WASTE MANAGEMENT:

The institute has a waste management system in place to manage both degradable and non-degradable wastes. We have a composting unit and vermicomposting unit for degradable solid waste management. The compost manure and vermicomposting are harvested and used for plants in the campus garden, while non-degradable waste is sold to a scrap merchant. E-waste generated is collected and sold to authorized vendors.

#### • WATER CONSERVATION:

Shivraj College Gadhinglaj implements several water conservation measures to reduce water usage. It includes rainwater harvesting and bore well recharge. The roof runoff water is collected in tanks and used for the garden. The runoff water is also used for bore well recharge to increase the ground water level.

#### • GREEN CAMPUS INITIATIVES:

The institute is committed to sustainability and has implemented green campus initiatives. These initiatives include restricted entry of automobiles, use of bicycles, battery-powered vehicles, pedestrian-friendly pathways and landscaping with trees and plants. The eco-friendly campus is associated with a rich flora of trees, shrubs, herbs, palms and climbers. Over 150 plant species are grown on the campus, some of which are planted to control pollution. The institute also tries to conserve wild endemic plants, medicinal plants and ornamental plants. We have developed a plant nursery and a rock garden was recently developed to enhance the garden's aesthetic value.







DIST. KOLHAPUR (MAHARASHTRA) 4165002

### <u>Disabled – friendly, barrier free environment:</u>

**Disable – Friendly Facility** 

Sr.No	Facility	Remark
1	Ramp	Yes
2	Commode	Yes
3	Screen reading software and audio software	Yes
4	Wheel Chair	Yes
5	Direction Sign	Yes
6	Righter	Yes
7	ExtraLecture	Yes
8	Extra Exam Time	Yes







### Shivraj College of Arts, Commerce & D. S. Kadam Science College, Gadhinglaj.



The institute has taken several initiatives to make the campus "Divyang Friendly". The main objective is to give equal opportunity & right to participate in the self development activities. The details of the policy are as follows -

- To maintain a separate record of Divyang students.
- Special treatment is given during the admission process.
- Special provision of concession in admission fee, Examination fee & Bus Traveling Pass, Book bank facility.
- Celebration of "Divyang Day" on 3rd December.
- To make available reading material in pdf format to blind student.
- To provide separate human assistance like reader, writer during examination to Divyang.
- Provision of wheelchair & walker are made available in the college campus.
- Provision of Ramp







Celebration of "Divyang Day" on 3rd December. Separate human assistance, reader, and writer.

Provision of wheelchair.







DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **Divyng Facilities**

#### **Wheel Chair**











#### KarmveerVitthalRamjiShindeShikshanSanstha's

### SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ

DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Ramps**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### Classrooms







### KarmveerVitthalRamjiShindeShikshanSanstha's

### SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ

DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### Departments / Lab











DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### Library





#### **Reading Room**











DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Administrative Office**









DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Gents Toilet**











#### Karmveer Vitthal Ramji Shinde Shikshan Sanstha'sSHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE **COLLEGE, GADHINGLAJ** DIST. KOLHAPUR (MAHARASHTRA) 4165002











DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Exam -Divyang Suvidha**











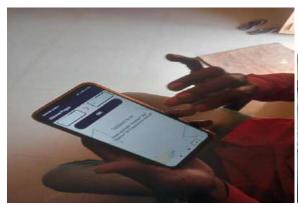
PRINCIPAL
Shivraj College of Arta Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kolhapur)



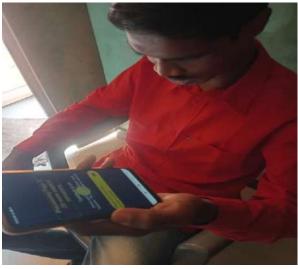
# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

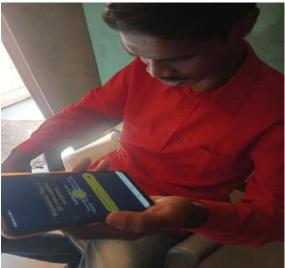
......

#### SCREEN READING SOFTWARE AND AUDIO SOFTWARE











PRINCIPAL
Shivraj College of Arta-Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kolhapur)



# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

-----

### 7.1.2 ( 5) : Details of the Software procured for providing the assistance $\frac{1}{2}$

In the institute, we have only one blind student MadhavNaik who is studying in B. A. II. College library provides him reading material in pdf format and also installed a KIBO and Insta - Reader Software to his mobile phone. Through these software he can easily study by hearing the reading material in pdf format. This practice has been working for last 2 years.







DIST. KOLHAPUR (MAHARASHTRA) 4165002

### **Celebration of National Divyan Day: 3<sup>rd</sup> December 2019**









PRINCIPAL
Shivraj College of Arta, Commerce &
D.S. Kadam Science College,
GADHINGLAJ (Dist Kolhapur)



# KarmveerVitthalRamjiShindeShikshanSanstha's SHIVRAJ COLLEGE OF ARTS, COMMERCE AND D. S. KADAM SCIENCE COLLEGE, GADHINGLAJ DIST. KOLHAPUR (MAHARASHTRA) 4165002

#### **Brief Report**

#### •DISABLED-FRIENDLY, BARRIER-FREE ENVIRONMENT:

Shivraj College Gadhinglaj has implemented several measures to ensure that the campus is accessible to individuals with disabilities. These measures include installing wheelchair ramps, providing wheelchairs, screen reading software, directional signs and audio software. The institute provides readers and writers during examinations for divyang students. We have taken several initiatives to make the campus divyang-friendly, with the main objective of giving equal opportunities and rights to participate in self-development activities.



