

Pune District Education Association's Annasaheb Magar Mahavidyalaya Hadapsar, Pune- 411028

Affiliated to Savitribai Phule Pune University, Pune



Self Study Report: 2024 (4th Cycle)



Criterion7 - Institutional Values and Best Practices

Key Indicator - 7.1 Institutional Values and Social Responsibilities

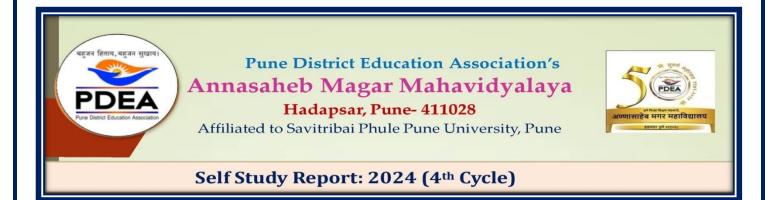
Metric: 7.1.2(QnM)

- The Institution has facilities and initiatives for
- 1.Alternate sources of energy and energy conservation measures
- 2.Management of various types of degradable and non-degradable waste
- 3.Water conservation
- 4.Green campus initiatives
- 5.Disabled-friendly, barrier free environment.

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BENGALURU

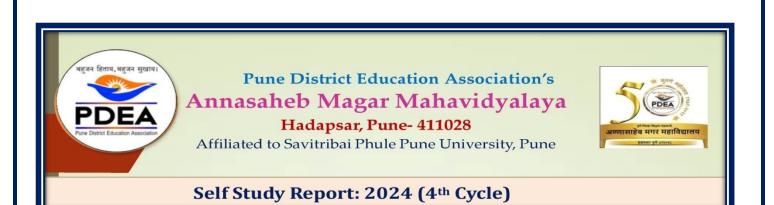
Page 1



Metric 7.1.2 (QnM): Geo-tagged photographs/Video of the facilities Index

Sr. No.	Particular	link
1	Video of the facilities in campus	https://youtu.be/j_kEdDTjy7s?si =v29LmILcaHkBiFYF

Sr. No.	Particular	Page No.
1.	Alternate sources of energy	
a.	Installation of roof top Grid tied captive Solar panel	8-8
b.	Layout of Solar panel	9-10
с.	Installation of lamps Based on solar energy	11-11
d.	Installation of solar water heater in college	12-12
e.	Installation of solar water heater in college hostel	13-13
f.	Use of LED bulbs in college.	14-17
2	Management of degradable and Non- Biodegradable waste	
a	Solid (Biodegradable) Waste Management	
i	Solid wet waste and dry waste sorting bins	20-20



Metric 7.1.2 (QnM) Geo-tagged photographs of the facilities Index

Sr. No.	Particular	Page No.
ii	Separated bins for paper, Plastic, waste	21-23
	collection	
iii	Preparation of Vermi-compost in college	24-26
	campus	
iv	Availability of excess Vermi- compost to	27-27
	stakeholders	
V	Use of Vermi compost to garden plants	28-28
b	Liquid waste management	
i	Installation of Effluent Treatment Plant	30-30
с	Plastic waste management	
i	Plastic awareness banners are placed in the campus.	31-31
ii	Separate plastic bins are placed in the campus.	32-32



Metric 7.1.2 (QnM) Geo-tagged photographs of the facilities Index

Sr. No.	Particular	Page No.
d	E- waste Management	
i	E-Waste bins are placed in college campus	33-33
ii	E- Waste collected from staff and students	34-35
e	Biomedical waste management	
i	Installation of sanitary napkin wending machine in college	37-38
ii	Installation of sanitary napkin destroyer machine in college	39-40
iii	Installation of sanitary napkin wending machine in college ladies hostel	41-41
iv	Use of autoclave for decontaminating the microbial waste	42-44
3	Water conservation	
а	Rain Water Harvesting (RWH) units	47-49
b	Rainwater Harvesting through Bore Well Recharge	50-50
С	Terrace rain water harvesting pipes	51-52

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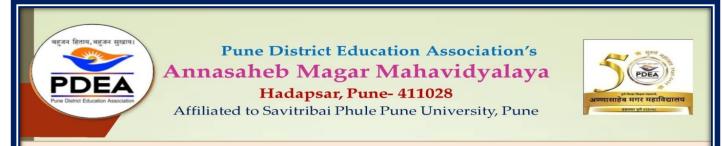
Metric 7.1.2 (QnM) Geo-tagged photographs of the facilities Index

Sr. No.	Particular	Page No.
d	Reuse of water to garden plants	53-54
e	Maintenance of water tank and distribution system in the campus.	55-57
4.	Green campus initiatives	
а	Restricted entry of automobiles	60-60
b	Use of bicycles and Battery-powered vehicles	61-62
с	E- Charging station for battery powered vehicles	63-64
d	Pedestrian-friendly pathways	65-65
e	Landscaping and Botanical garden	66-68
f	Reuse of plastic	69-70
5	Disabled-Friendly, Barrier Free Environment	
а	Ramps for easy access to classrooms.	73-74
b	Disabled-friendly restroom	75-75
С	Wheelchair for handicapped student	76-76
Criterion VII Page		



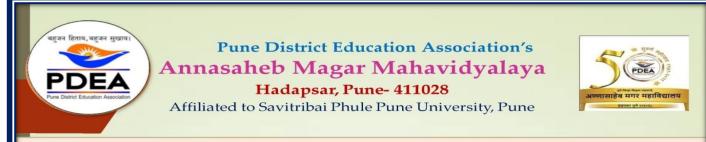
1. Alternate sources of energy and energy conservation measures

Criterion VII



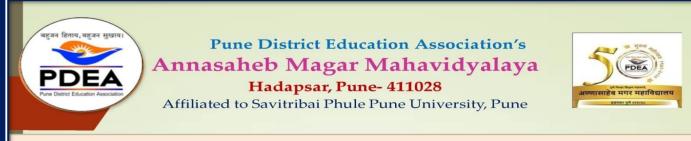
Alternate sources of energy and energy conservation measures

Sr. No.	Particulars
1.	Installation of Rooftop Grid Tied Captive Solar PV Plant
2.	Layout of solar panel
3.	Installation of Lamps based on solar energy.
4.	Installation of Solar Water Heater in college campus
5.	Installation of Solar Water Heater in College Hostel
6.	Use of LED bulbs in college



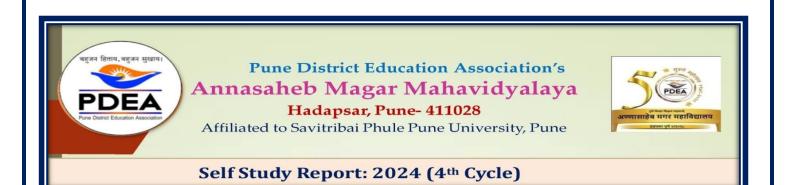
Rooftop Grid Tied Captive Solar PV Plant





Layout of solar panel





Layout of solar panel



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Installed Lamps in campus based on solar energy





Installation Solar Water Heater in college campus



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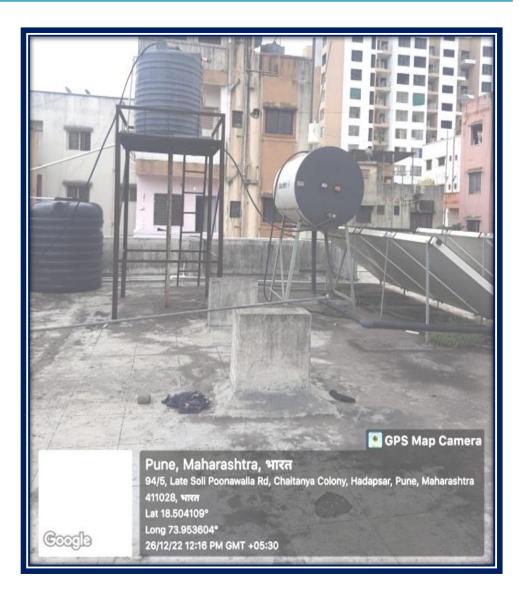


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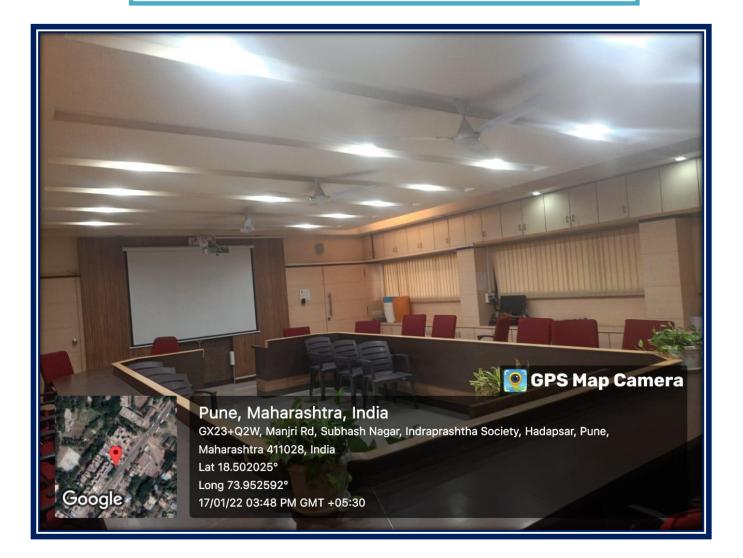
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Installation of Solar Water Heater in College Hostel

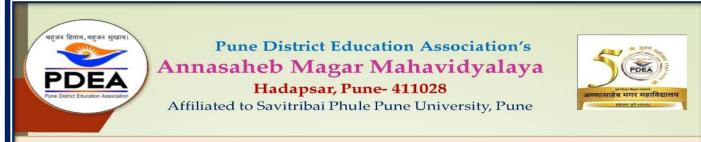




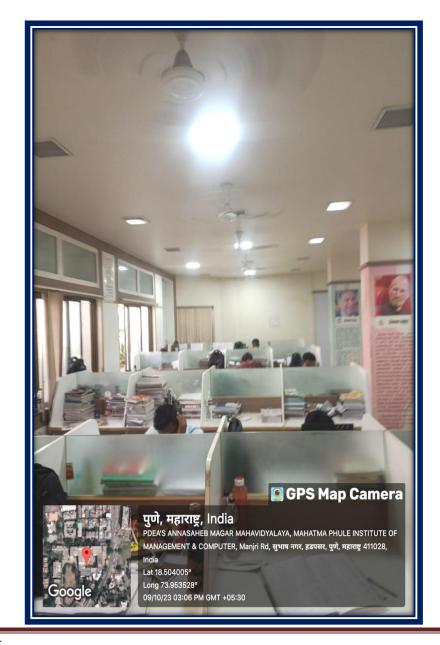
Use of LED bulbs in Conference hall



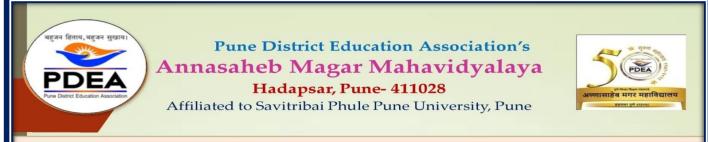
Criterion VII



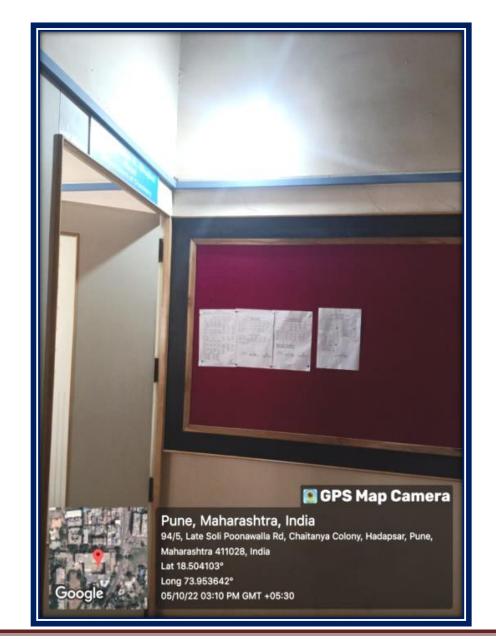
Use of LED bulbs in library



Criterion VII



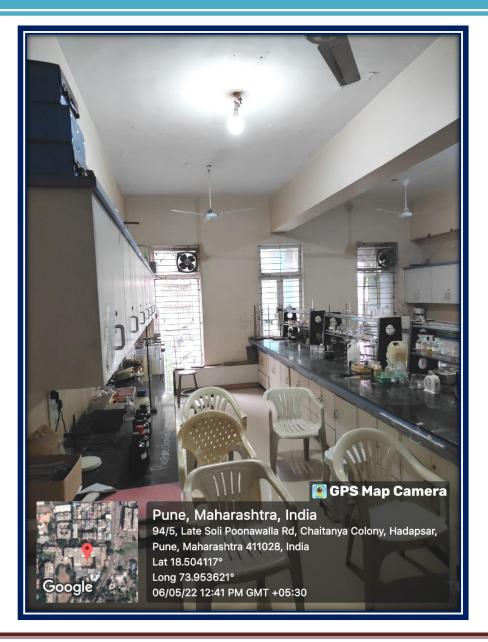
Use of LED bulbs in Chemistry HOD cabin



Criterion VII



Use of LED bulbs in Chemistry laboratory



Criterion VII





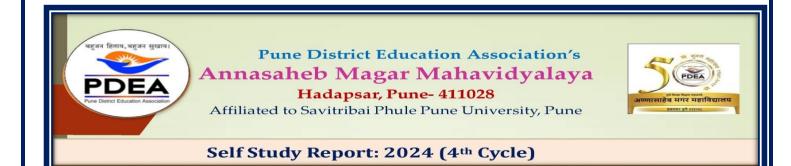
Criterion VII



Solid waste management

Sr. No.	Particulars
1.	Solid wet waste and dry waste sorting bins
2.	Separated bins for paper, Plastic, waste collection
3.	Preparation of Vermi-compost in college campus
4.	Use of Vermi compost to garden plants
5.	Available Excess Vermi- compost made to stakeholders

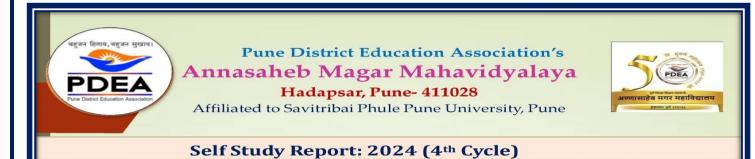
Criterion VII



Solid wet waste and dry waste sorting bins



Criterion VII



Solid wet waste and dry waste sorting bins



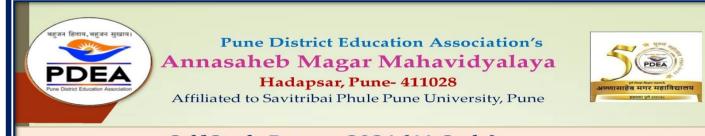
Criterion VII



Separated bins for paper, Plastic waste collection

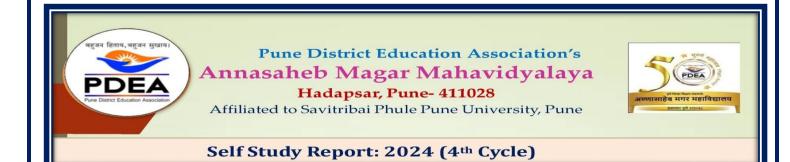
Plastic Dustbin





Separated bins for paper, Plastic waste collection Paper Dustbin





Preparation of Vermi-compost in college campus

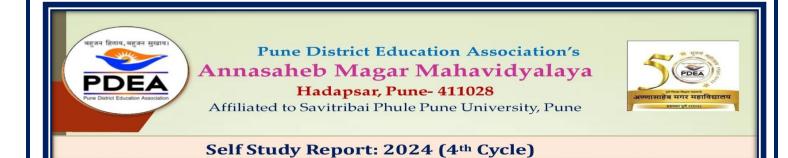


Criterion VII



Preparation of Vermi-compost in college campus

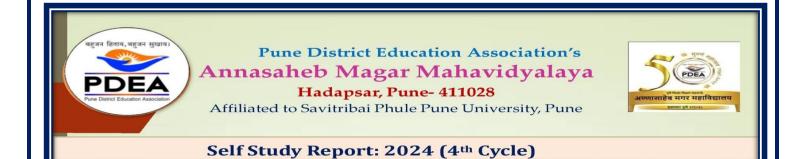




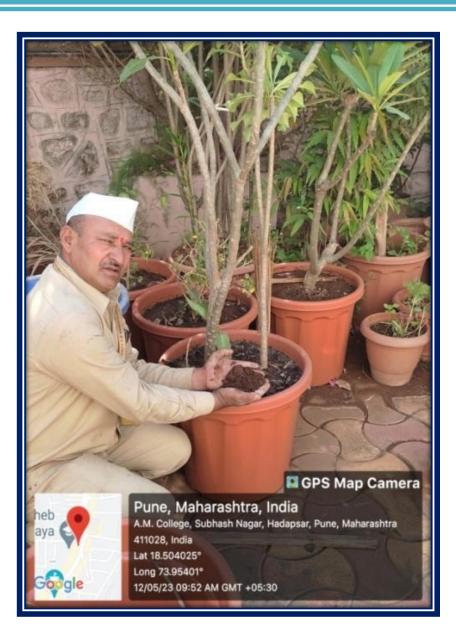
Preparation of Vermi-compost in college campus



Criterion VII



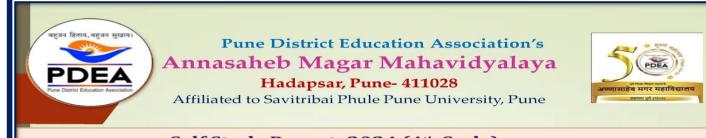
Use of Vermi compost to garden plants





Availability of excess Vermi- compost to stakeholders (2022)





Effluent treatment plant (ETP)





Plastic Waste Management

Sr. No.	Particulars
1.	Plastic waste awareness banners are placed in the campus.
2.	Separate plastic bins are placed in the campus.



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Plastic waste awareness banners are placed in the campus



Criterion VII



Separate plastic bins are placed in the campus.





E- Waste Management



Criterion VII



E- Waste collected from staff and students





E- Waste collected from staff and students







e. Biomedical waste management

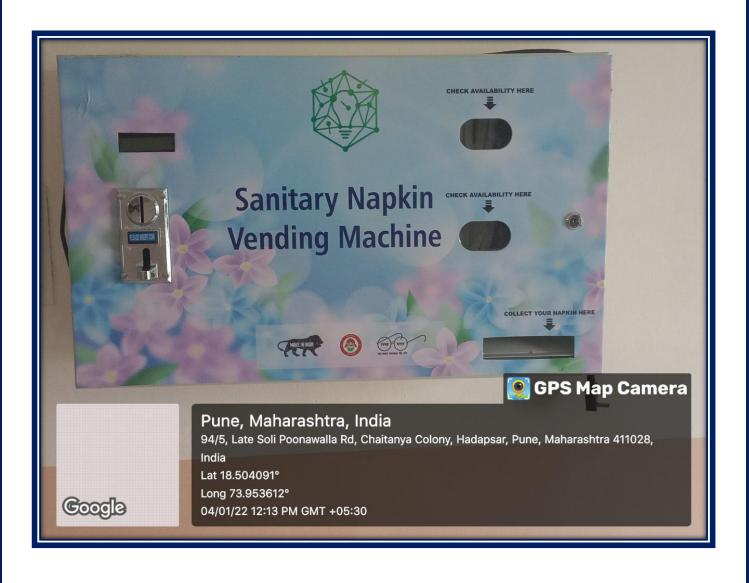
Sr. No.	Particulars
i	Installation of sanitary napkin wending machines in college
ii	Installation of sanitary napkin destroyer machines in college
iii	Installation of sanitary napkin wending machine in college ladies hostel
iv	Use of autoclave for decontaminating the microbial waste

Criterion VII

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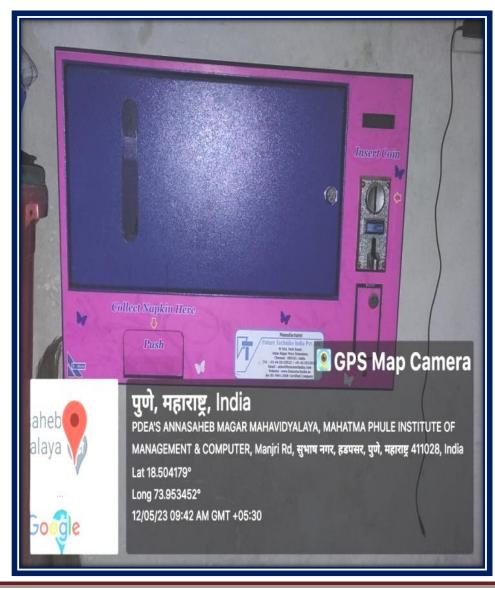


Sanitary napkin wending machine in college campus





Sanitary napkin wending machine in college campus







Sanitary napkin destroyer machine in college campus







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Sanitary napkin wending machine in college ladies hostel



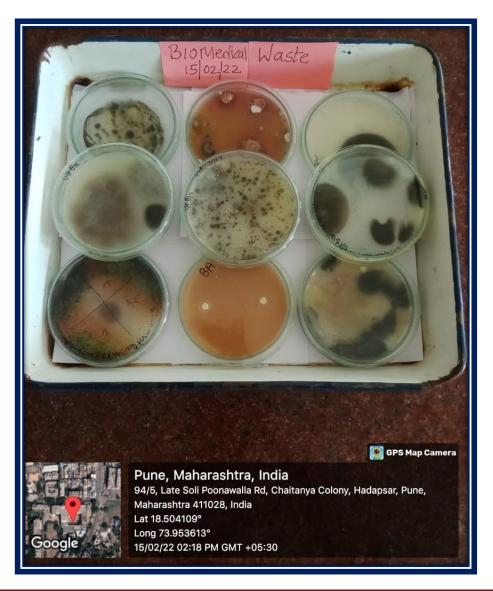




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Biomedical waste management by Microbiology Department

Biomedical waste collection



Criterion VII





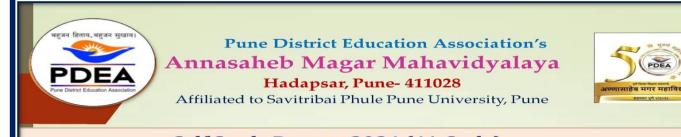
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Biomedical waste management by Microbiology Department

Decontamination of biomedical waste using autoclave



Criterion VII

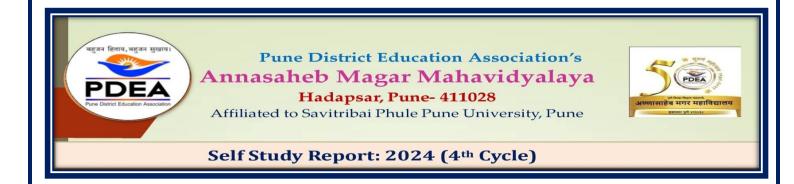


Biomedical waste management by Microbiology Department

Biomedical waste ready for disposal



Criterion VII





Criterion VII

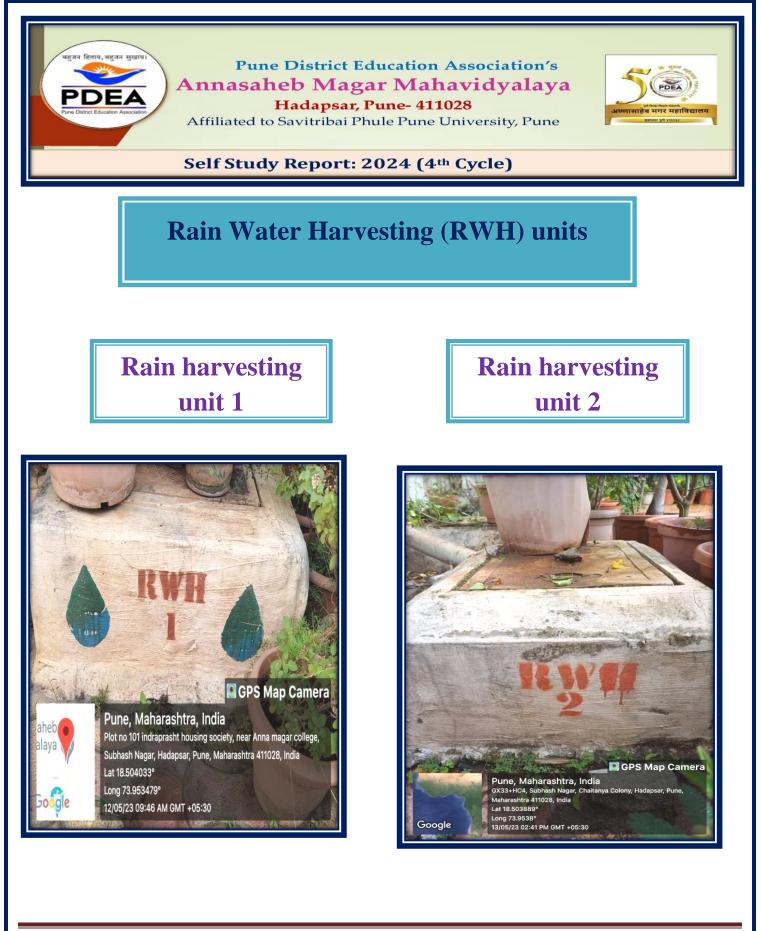


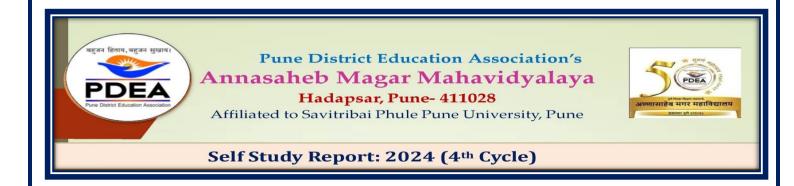


3. Water conservation

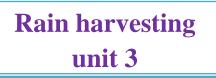
Sr.No	Title of activities
1.	Rain Water Harvesting (RWH) units
2.	Rainwater Harvesting through Bore Well Recharge
3.	Terrace rain water harvesting pipes
4.	Reuse of water to garden plants
5.	Maintenance of water tank and distribution system in the campus

Criterion VII



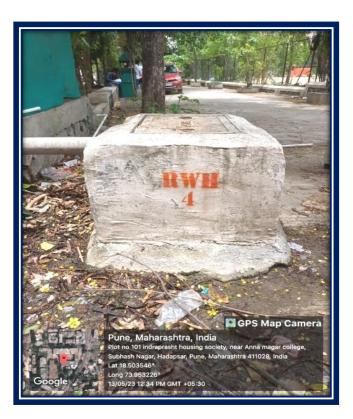


Rain Water Harvesting (RWH) units









Criterion VII





Rainwater Harvesting through Bore Well Recharge







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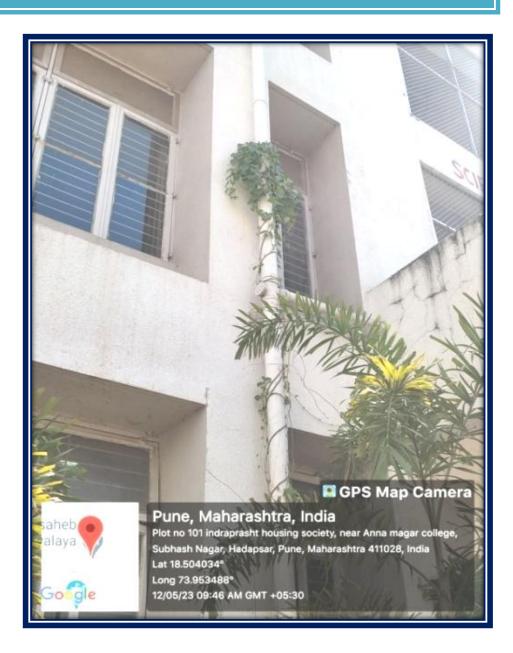
Terrace rain water harvesting pipes







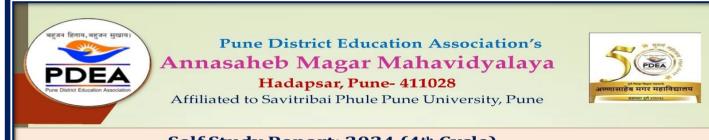
Terrace rain water harvesting pipes





Reuse of water to garden plants





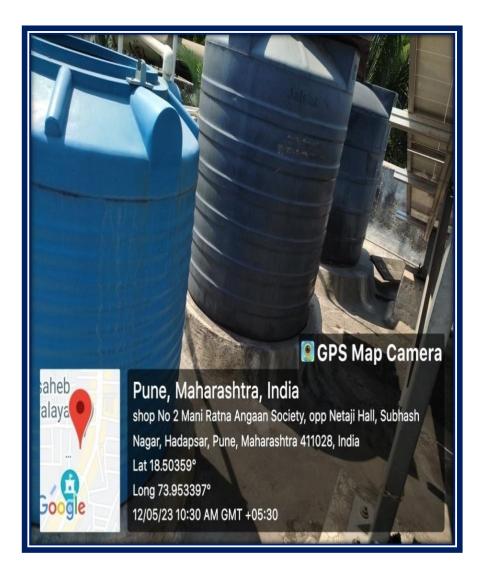
Reuse of water to garden plants



Criterion VII



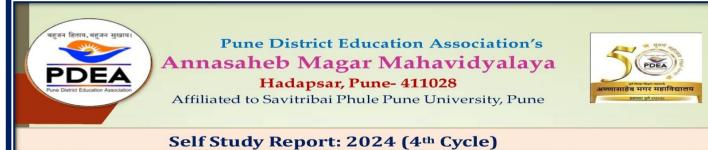
Maintenance of water tank in the campus





Distribution of Water





Distribution of Water



Criterion VII



4. Green campus initiatives

Criterion VII



4. Green campus initiatives

Sr.No	Title of activities
a	Restricted entry of automobiles
b	Use of bicycles and Battery-powered vehicles
С	E- Charging station for battery powered vehicles
d	Pedestrian-friendly pathways
e	Landscaping and Botanical garden
f	Reuse of plastic





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Restricted entry of automobiles



Criterion VII





Use of bicycles



Criterion VII

PDE



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Use of Electric vehicles

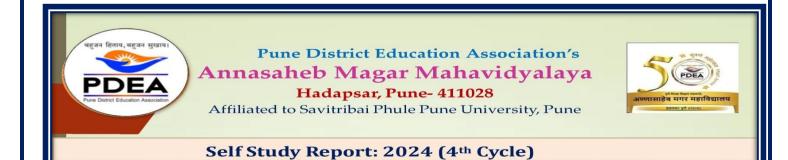




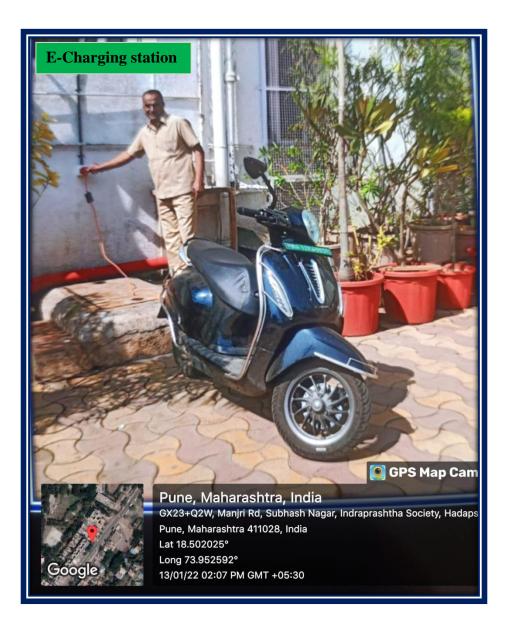
Criterion VII

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E- Charging station for battery powered vehicles





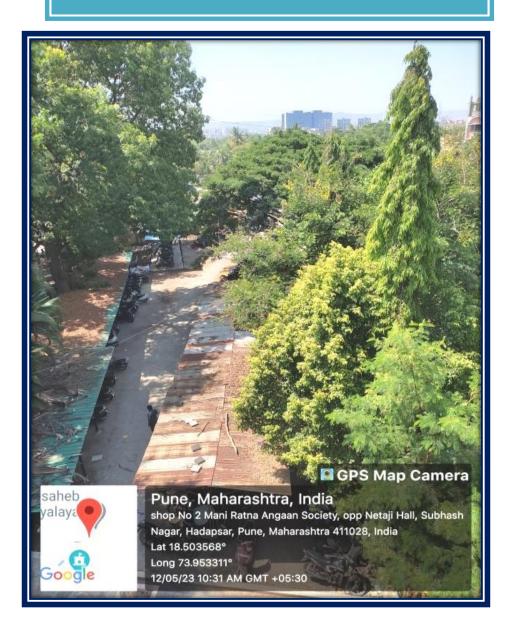
E- Charging station for battery powered vehicles



Criterion VII



Pedestrian-friendly pathways





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Landscaping



Criterion VII





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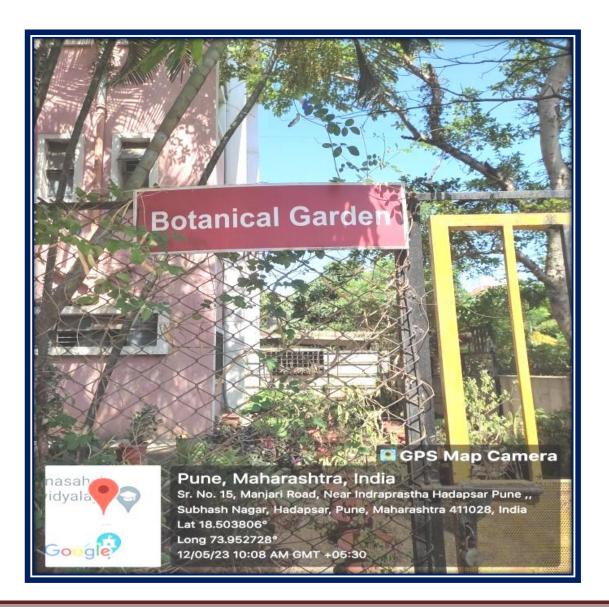
Landscaping



Criterion VII



Botanical garden



Criterion VII





Reuse of plastic

Watering devices for plants made by Environmental science students from collected plastics



Criterion VII



Reuse of plastic

Feeding and Watering devices for birds made by Zoology students from collected plastics





5. Disabled-Friendly, Barrier Free Environment

Criterion VII





5. Disabled-Friendly, Barrier Free Environment

Sr. No	Title of activities
а.	Ramps for easy access to classrooms
b.	Disabled-friendly restroom
с.	Wheelchair for handicapped student



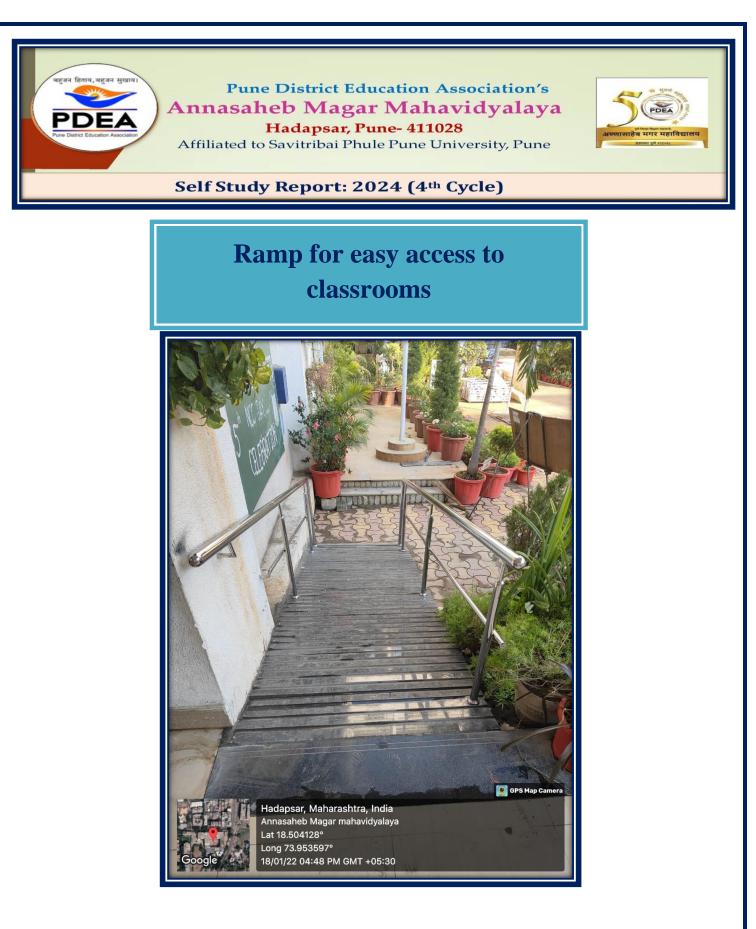


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Ramp for easy access to classrooms



Criterion VII





Restroom for Disabled-friendly





Wheel chair for handicapped student

