



Dr. Babasaheb Ambedkar Marathwada University,
Chhatrapati Sambhajinagar

BEST PRACTICE-02

**University for Sustainable
Environmental Responsibility by Green
Initiatives**

2018-19 to 2022-23



OBJECTIVES

- 
- Establishing a green ecosystem
 - Enhancing campus aesthetics
 - Developing a sustainable model
 - Conserving biodiversity
 - Implementing water conservation practices
 - Creating income opportunities
 - Promoting green consumption, solar energy usage, biogas production, and encouraging water and soil conservation through rainwater harvesting

THE CONTEXT



In the realm of green practices, higher education institutions are increasingly prioritizing environmental responsibility and sustainability. Leading by example, they not only reduce their environmental impact but also inspire communities to pursue constructive transformations towards sustainability. Amidst urbanization, population density, fragile environments, and climate crises, universities serve as models for environmental stewardship. The university fulfils its social obligation by providing green spaces, addressing environmental pollution, promoting a healthier urban environment and sustainability.

THE PRACTICE



The lush green campus of the University is spread over 723 acres at its main campus and its satellite campus at Dharashiv. Over 51636 trees were planted with a specific purpose. It includes plantation of 7335 plants under dryland horticulture for greenery, setting a demonstration unit for land use as well as sustainable income generation and training. Plantation of 44311 plants increased green cover, aesthetics and supported biodiversity.

EVIDENCE OF SUCCESS

Name of plant	Numbers	Area (Acres)	Income generated in Rs.
A. Horticultural plantation			
Tamarind	1540	33.37	2,53,000.00
Amla	945	23.62	33,100.00
Mango	1325	21.19	13,08,000.00
Custard apple	3000	12.00	1,10,510.00
Sapota	415	10.37	2,19,140.00
Coconut	100	1.00	--
Total (A)	7325	101.55	19,21,750.00
B. Plantation and Gardening			
Nala side plantation	2800	41.03	--
Barren land plantation	1700	4.00	--
Miyawaki forest	13000	4.60	--
Gardens	3800	40.00	--
Botanical garden	4045	41.03	--
Roadside plantation	7800	6.00	--
Teak plantation	916	1.00	--
Babul	10250	3.00	--
Total (B)	44311	140.66	
Total (A+B)	51636	239.21	

EVIDENCE OF SUCCESS

Effectiveness of our green efforts includes:

Regular environmental audits ensure accountability.

Energy and water conservation efforts significantly reduce utility bills.

Energy generation through 100KW solar power plant, with 6,91,282 KWh transferred to the grid.

Sustainable waste management, including biogas plants.

Promotion of eco-friendly transportation options like battery cars and bicycles.

Energy efficiency measures: LED lighting, energy-efficient fans, five-star inverter ACs, and Optimum Power Consumption Policy.

Integration of green pedagogy into the curriculum, offering numerous courses on environmental awareness.

Direct benefits accounted:

Net O₂ production : 11680 Kg/day

Net Carbon sequestered : 18224 Kg/day



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