



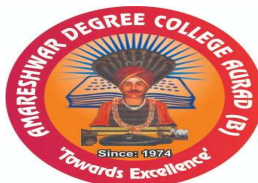
AMARESHWAR ARTS AND COMMERCE DEGREE COLLEGE AURAD(B) – 58326

Affiliated by Gulbarga University Kalaburagi (E-mail: adcab1979@gmail.com)

Brief Report on Campus Facilities and Environmental Measures

A. Energy Management and Conservation

- 1. Solar Power Implementation:** AMARESHWAR ARTS AND COMMERCE DEGREE COLLEGE AURAD(B), has installed a 5.00 kW solar rooftop system. This grid-connected solar plant ensures a consistent power supply by generating electricity throughout daylight hours. Any excess energy produced is redirected to the grid, providing the institution with a credit on its electricity bills and reducing overall energy expenses. When solar output is insufficient, the system seamlessly switches to grid power.
- 2. Energy Conservation with Sensors:** The campus is equipped with sensor-based lighting systems that automatically deactivate lights when areas are unoccupied, which helps in conserving energy. Additionally, sensor-controlled water supply systems regulate the operation of motors based on water levels in overhead tanks, optimizing water usage.
- 3. Adoption of LED Lighting and Efficient Equipment:** To enhance energy efficiency, the college uses LED bulbs across various areas, including administrative offices, departments, the playground, AV Hall, auditorium, seminar hall, canteen, staff rooms, classrooms, and laboratories.



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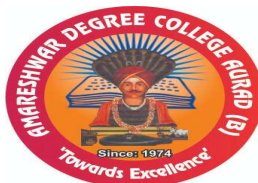
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B. Waste Management Strategies

- 1. Solid Waste Management:** The college implements a thorough waste management protocol. Biodegradable waste, such as food and canteen waste, is separately collected and disposed of correctly. Non-biodegradable waste is managed through the municipal waste collection system. The college ensures effective waste segregation with designated personnel responsible for regular cleaning and waste collection.
- 2. Electronic Waste (E-Waste) Management:** The college manages e-waste, including outdated lab instruments, computers, and other electronic devices, by securely storing unusable items and handing them over to MS Graphics Pvt. Ltd., Bidar, for proper disposal.

C. Water Conservation Practices

- 1. Rainwater Harvesting:** The college has set up a rainwater harvesting system, featuring a collection pit and rooftop collection system. The harvested rainwater is used to recharge open wells, which helps alleviate freshwater shortages. Regular inspections of taps and pipes are conducted to prevent water wastage.
- 2. Groundwater Recharge:** The campus is equipped with a bore well and an open well, primarily utilized for groundwater recharge. The rainwater harvesting system supports this by directing harvested rainwater to recharge pits.



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3. Water Distribution and Maintenance: A well-maintained network of pipes and storage tanks ensures efficient water distribution across the campus. A dedicated gardening maintenance committee monitors the system for leaks and ensures water is used economically.

D. Green Campus Initiatives

- 1. Restriction on Automobiles:** To enhance safety, fuel efficiency, and minimize environmental pollution, the college promotes the use of public transportation over personal vehicles.
- 2. Pedestrian Pathways:** The campus is designed with well-marked pedestrian pathways, and parking facilities are provided at the main entrance to ensure smooth movement for students and staff.
- 3. Plastic Ban:** The campus strictly prohibits single-use plastics. Awareness programs and training sessions are conducted to educate the community about the ban. Alternatives such as steel glasses replace plastic cups in the canteen, and the use of reusable bottles is encouraged.
- 4. Landscaping and Greenery:** The campus features extensive landscaping with trees and plants, which enhances the environment by providing shade and reducing pollution. Skilled gardeners are employed to maintain the greenery and ensure the campus remains aesthetically pleasing.



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E. Accessibility and Barrier-Free Environment

- 1. Ramps:** Ramps are strategically placed across the campus to facilitate easy access for individuals with disabilities, ensuring that all campus facilities are accessible.
- 2. Accessible Restrooms:** Disabled-friendly restrooms are available throughout the campus, equipped with user-friendly fittings, grab bars, and non-slip surfaces to provide comfortable and accessible facilities.
- 3. Inclusive Signage:** The campus includes clear and compliant signage, such as tactile paths, display boards, and safety indicators, to ensure clarity and safety, particularly in emergency situations.


PRINCIPAL
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