



SATPUDA EDUCATION SOCIETY, JALGAON JAMOD'S

# Arts & Commerce College

Warwat Bakal Tq. Sangrampur Dist - Buldhana (M.S.)

NAAC Reaccredited with 'B' Grade

- Principal -

**Dr. Shriram Yerankar**

M.A., M.Phil, Ph.D.  
9423722316

College Code : 327

- President -

**Shri. Krushnarao Ingle**

(Ex. M.L.A.)  
07266-221449

Website : [www.acscwb.co.in](http://www.acscwb.co.in)

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## Criterion VII: Institutional Values & Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### Session-2023-2024

Metric No.		Content / File Description	Document Link
7.1.3		<p>The facilities in the Institution for the management of the following types of degradable and non-degradable waste.</p> <ul style="list-style-type: none"><li>• Solid waste management</li><li>• Liquid waste management</li><li>• Biomedical waste management</li><li>• E-waste management</li><li>• Waste recycling system</li><li>• Hazardous chemicals and radioactive waste management</li></ul>	

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## CERTIFICATE

This is to certify that the documents attached as supporting documents for Criterion VII: Institutional Values and Best Practices are verified from the college record and found to be correct to the best of my knowledge.



**Principal**

**Arts & Commerce College  
Warvat Bakal Dist. Buldhana**

## **Clean and Green Campus Policy**

### **ARTS & COMMERCE COLLEGE, WARWAT BAKAL DIST- BULDANA**

## **Clean and Green Campus Policy Document**

### **About College**

The Satpuda Education Society, Jalgaon (Jamod), founded the Arts & Commerce College in 1994. In Maharashtra's Buldana district, the college is located at the base of the Satpuda mountains, which are dispersed to the north. The majority of the population in this area is employed in agriculture. In Sangrampur Tahsil, there was no senior college prior to the establishment of this college. This region's students were denied access to higher education. Satpuda Education Society founded this college with a broad objective and a clear goal in mind: to meet the higher education needs of this area.

The administration built a separate structure for the college in under five years. The society established a junior college in the faculty of science in 2003 and a senior science and commerce college in 2009 in response to the need for science education. Undergraduate students studying in the streams of arts, commerce, and science are educated by the college. The college successfully completed the first cycle of NAAC accreditation in 2016 and received a "B" grade. The coordination between teaching and non-teaching staff is excellent at our college. Our team works hard and ensures that the college's goals and objectives are met. Our young and tenacious teachers instruct and mentor the pupils who travel from the remote highland area.

### **The Clean and Green Campus Policy**

The college's Green Campus Policy is to create a clean and green campus where ecologically responsible behaviour is encouraged through education and other means both on campus and off campus. By fostering environmental ethics among the faculty and staff, it also gives the institution a chance to take the lead in reinventing its environmental culture.

### **Mission**

To instill environmental awareness in society and actively engage in efforts to defend the planet earth against nefarious human incursions in order to ensure a sustainable, pollution-free, and healthy future.



## Objectives

- To increase awareness of the value of frequently using environmentally friendly goods and services. to inculcate the value of cleanliness in maintaining a healthy lifestyle.
- To raise public awareness of environmental issues through the organisation of events, rallies, clean-up drives, seminars, workshops, presentations, tree planting drives, wildlife photography competitions, rangoli competitions, essay competitions, bird watching programmes, excursions, study tours, guest lectures, and talks, among other activities.
- To raise awareness among students and faculty about speaking out against harmful practises that harm the environment and to encourage such practises throughout society.

## Initiatives Taken to Implement the Clean and Green Campus Policy

The Institution is committed to managing its campus in accordance with its Clean and Green Campus Policy by establishing the following infrastructure and carrying out the following activities:

- **Landscaping with Trees and Plants**
- **Ban on Single-Use Plastic**
- **14 KV. Solar Plant in the College**
- **Use of LED Bulbs/Tubes and Power Efficient Equipments**
- **Rainwater Harvesting**
- **Paperless Office and Communication**
- **Solid Waste Management**
- **Water Management**
- **Display Boards to Promote Environmental Sensibility on College Campus**
- **Observance of Days to protect and Nurture Environment**
- **The Green, Environmental and Energy Audit**

### **Landscaping with Trees and Plants**

According to the Arts & Commerce College's Warwat Bakal's Clean and Green Policy, the college works to grow several plant kinds of trees, as well as ornamental and medicinal varieties, both inside and outside the campus. The campus is kept clean, litter-free, and green by volunteers from NSS and Class 4 staff. The Department of Botany is responsible for caring for and maintaining the College Botanical Garden and the Vermicompost Unit. The college's NSS and NCC Units often organise tree-planting campaigns, which usually take place in the month of July.

### **Ban on Single-Use Plastic**

Single-use plastics are completely prohibited in classrooms, laboratories, the canteen, and all other areas of the Arts & Commerce College, Warwat Bakal campus. In order to progressively reduce the use of plastics on campus, the college provides environmentally friendly alternatives including stainless steel, washable, and reusable tumblers at all water units and requires the canteen to serve exclusively in stainless steel or paper plates, glasses, and cups.

### **14 kV Solar Plant in the College**

In April 2023, the institution installed a 14 kV solar energy plant on one of its buildings. Since the commissioning of these solar plants, the MSEDCL's electricity bills have significantly decreased. The MSEDCL's power grid is connected to the solar panels' energy output, and the MSEDCL has subsidised the college's electricity needs by supplying the system with the power generated by the solar panels.

### **Rainwater Harvesting**

The college ensures rainfall conservation by collecting rainwater. More than five acres make up our facility. Rainfall in the area ranges from 90 to 110 cm on average. All the rainwater will be wasted in the neighbouring village. The institute and the governing body decided to store and gather this rainwater on campus as a result. We therefore constructed a water absorption hole that is 30 feet deep and 14 feet in diameter in the southeast corner of the campus. South East-sloping slopes are present naturally. All of the rainwater consequently streams into the pit to be collected. The extra water from the hole is emptied into the nearby river.

### **Paperless Office and Communication**

The college has a policy to use e-communication for the majority of official and academic communications in order to reduce the consumption of paper. Digitization significantly reduces the use of paper. To save paper waste, blank papers with one side are used. What's App groups have been formed based on classes, departments, and committees, which has decreased the need for paper in announcements and circulars. Additionally, by implementing Google Classrooms, where references, notes, syllabi, question banks, and study material are shared on the e-platform, the college has eliminated the heavy use of paper. E-assignments are now being



accepted by some departments as well.

### **Solid waste Management**

Solid waste needs to be disposed of to prevent unneeded accumulation. Waste material is sorted out for secure disposal. Waste is composted via vermicomposting and bio composting. The decomposition of dead plant matter and other trash occurs during vermicomposting. Waste that is complex is reduced to a simpler form. Composting is a sustainable practise. It transforms a vast array of wastes into beneficial agricultural nutrients. A great source of humus and plant nutrients, compost enhances the biophysical characteristics of the soil and the level of organic matter. We have taken action to manage the waste that has been gathered on college property.

Our institute employs a skilled approach to solid waste management. Garbage containers hold all of the solid garbage produced on campus. Waste from the departmental rooms and the canteen is also composted.

The college has adopted the practise of printing on both sides of the page to save paper usage; however, we mostly use electronic resources since we support paperless communication. Dustbins are available in every department, lab, and classroom for the disposal of dry waste. In key areas across the college, designated dustbins are used to segregate waste into dry and wet categories.

### **Vermicompost Unit**

Vermicompost Unit is established in the Botanical Garden of the Department of Botany. The students of the department actively involve themselves to run this unit. The organic waste material is collected from the college campus by the students to deposit it in the special vermicompost pit. Using cow dung, Earthworms the soil mixture is made with appropriate proportions. With the help of students this mixture is installed in the tank and watered properly for 4-8 weeks.

### **Water Management**

A different set of distribution pipes provides water for all other uses. There is plenty of water in the college's well. Pumps are used to transfer groundwater from the wells into elevated service reservoirs and storage tanks spread throughout the campus. A network of well-built pipes is used to disperse the water.

The college administration closely monitors the whole distribution system to prevent water leaks and wastage at water taps, pipelines, and other points of use. The college's administrative staff controls how frequently the water tanks are cleaned. Every college stakeholder is knowledgeable about how to use water wisely and effectively. Apart from carrying out Cleanliness Drives, Awareness Campaigns, the College NSS volunteers also render the services for ground water recharge in the adopted villages during the NSS Special Camps.

### **Display Boards to Promote Environmental Sensibility on College Campus**

Various boards including Quotes that promote environmental awareness and ethics including air-pollution control, plastic-free campus, conservation of energy, recycling of resources, tree plantation, Nature conservation, etc. are displayed for all the stakeholders of the college.

### **Observance of Days to Protect and Nurture Environment**

The organization of various events like Rallies, Awareness Campaigns, Cleanliness Drives, Tree Plantation Drives, Wildlife Week, Rangoli Competitions, Essay Competitions, Excursions, Study Tours, Guest Lectures, Talks, etc. on the occasion of various days like- 'International Day for the Preservation of the Ozone Layer' (16 September), 'World Environment Day' (05 June), 'Wildlife Week' (02 to 08 October), 'World Wetland Day' (02 February), 'World Sparrow Day' (20 March), Mahatma Gandhi Jayanti (02 October), 'Army Day' (15 January) 'Bird Week' in first week of November, etc. ensures to create awareness among young students and public about various environment related problems and conservation of Nature and natural resources in the surrounding area and educating on how to live a Eco- friendly life.

### **The Green, Environmental and Energy Audit**

The Green, Environmental and Energy Audit of the college is done by Nutan Urja Solutions, Pune.



## Green Audit Certificate

### Nutan Urja Solutions

A 703, Balaji Witefield, Near Sunni's World,  
Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: [nutanurja.solutions@gmail.com](mailto:nutanurja.solutions@gmail.com)

Date: 11/08/2024

#### CERTIFICATE

This is to certify that we have conducted Green Audit at Arts & Commerce College Warwat Bakal, Buldana for the year 2023–24.

#### The college is zero energy building.

The College has already adopted **Green** practices like:

- Installation of Rain Water Harvesting system
- Installation of Bio composting pit
- Usage of Energy Efficient LED
- Usage of Energy Efficient BEE STAR Rated equipment
- College has installed 12kW Solar PV system

We appreciate the support of Management, involvement of faculty members and students in the process of making the campus Green.

Nutan Urja Solutions,



K G Bhatwadekar,

Certified Energy Auditor,

EA - 22428



# Environmental Audit Certificate

## Nutan Urja Solutions

A 703, Balaji Witefield, Near Sunni's World,

Sus Road, Sus, Pune 411 021

Phone: 83568 18381. Email: [nutanurja.solutions@gmail.com](mailto:nutanurja.solutions@gmail.com)

Date: 11/08/2024

### CERTIFICATE

This is to certify that we have conducted Environmental Audit at Arts & Commerce College Warwat Bakal, Buldana in the year 2022-23.

**The college is zero energy building.**

The College has already adopted following projects for making the campus **Energy Efficient**.

- Installation of Bio Composting Pit
- Installation of Rain Water Harvesting System

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

Nutan Urja Solutions,

*K G Bhatwadekar*

K G Bhatwadekar,  
Certified Energy Auditor,  
EA – 22428

