



**Kopergaon Taluka Education Society's  
K.J. Somaiya Arts, Commerce and Science College,  
Kopergaon**

**Criterion 7- Institutional Values and Best Practices**

**7.1: Institutional Values and Social Responsibilities**

7.1.3: Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion and sustainability activities

**Action Taken Reports and  
Achievement Report as Clean and Green  
Campus Initiatives**

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## Action Taken Report on Clean and Green Campus Initiatives

Our K.J. Somaiya College of Arts, Commerce and Science, Kopergaon is dedicated and committed to fostering a culture of sustainability and environmental stewardship by reducing its environmental impact through a variety of green campus initiatives. Through a combination of energy conservation measures, waste management practices, sustainable transportation options, educational programs and community partnerships, the College strives to lead by example in promoting a greener future.

As per the 'Policy and Procedures of Green Campus, Environment and Energy Usage' of Internal Quality Assurance Cell (IQAC), we strive to create a greener, healthier and more sustainable campus environment for present and future generations. College has implemented green campus initiatives and taken the necessary action towards creating clean, green, pollution free and healthy environment as follows.

### **Alternate source of Energy and Energy Conservation:**

- Two on grid photovoltaic solar power systems of 10KW capacity of each are installed on Library building roof top which is connected in grid of MSEDCL through NET metering. A total of 50% power requirement of the College is met by the 20KW photovoltaic solar power system.
- Solar water heater system is installed on roof top of Boys and Girls hostel building.
- Energy-efficient lighting systems are used in the College office, class rooms and laboratories and across the campus with the use of LED bulbs and tubes.
- The staff and students are instructed to switch off the lights, fans and electricity when not in use and everyone taken care of it. Awareness campaigns are conducted for promoting energy conservation practices among students and staff.
- Regular energy audit of the College campus is carried out to identify areas for improvement in energy usage and efficiency.

### **Solid Waste Management:**

- Colour-coded dust bins are used in the campus for segregating waste into dry and wet categories at source.
- Vermicomposting unit is utilized for organic waste disposal and to produce nutrient rich organic manure.
- Awareness campaigns are conducted to minimize plastic usage with the 4 'R' principles: Refuse, Reduce, Reuse and Recycle.





- Waste segregation dust bins are regularly monitored and maintained.
- Chemistry practical are performed on micro scale and by adopting green methods to avoid the excess use of chemicals and also to minimize the waste generation.

#### **Water Conservation:**

- Water-saving fixtures are installed in ladies common rooms, toilets and hostel bathrooms.
- Awareness campaigns are conducted for promoting responsible water usage to stakeholders.
- Rainwater harvesting systems are built to supplement water supply for gardening and landscaping.
- Bore wells are recharged with the after harvesting excess rain water.

#### **Green Spaces Development:**

- Regular plantation drives are organized to increase green cover on campus.
- Existing green spaces are maintained through regular watering, pruning and cleaning.
- Vermicomposting unit is installed which utilize organic waste for enriching soil and fertilizing green areas.

#### **Transportation Initiatives:**

- We encouraged the students and staff for use of public transportation.
- Cycle rally is organized for the promotion of use of bi-cycle and there is also provision for bicycle stand with racks in the College campus.

#### **Cleanliness Drives:**

- The College campus cleaning is a daily routine practice and it is monitored by the respective staff.
- The washroom cleaning agency is appointed for daily cleaning and their work is monitored by the concern staff.
- Regular cleanliness drives is organized in the college campus with the involvement of NSS, NCC students.
- College made collaboration with local civic authorities for waste collection and disposal beyond campus boundaries.

#### **Educational Programs and Awareness:**

- A course on Environmental Awareness for the students is incorporated into the curriculum and successfully conducted across all disciplines.



- Workshops, seminars and guest lectures on environmental topics are organized and conducted at the College.
- Students of NSS and NCC are actively participated in the activities for environmental sustainability and activism.
- Earth Day and World Environment Day are celebrated regularly for student participation in National and International initiatives.

All the initiatives outlined above are successfully implemented and are actively monitored and managed in the campus. Regular feedback mechanism is in place to evaluate the effectiveness of these initiatives and make necessary adjustments.

  
Coordinator  
IQAC, K. J. Somaiya College  
Kopargaon, Dist. A.Nagar



  
Principal  
K. J. Somaiya College of Arts  
Commerce & Science, Kopargaon



## Achievement Report of Clean and Green Campus Initiatives

The Clean and Green College Campus initiative was launched with the aim of fostering sustainability, promoting environmental awareness and creating a healthier campus environment. Through concerted efforts and collaborative actions, the K.J. Somaiya College of Arts, Commerce and Science, Kopergaon has made significant strides in achieving its goals. As per the policy and procedures of Green Campus, Environment and Energy usage of Internal Quality Assurance Cell, we strive to create a greener, healthier and more sustainable campus environment for present and future generations. This report highlights the achievements of the Clean and Green Campus program.

### Alternate energy and Energy Conservation:

- The reduction in the college campus carbon footprint is achieved through installation of solar panels to harness renewable energy
- Implementation of energy-efficient lighting systems and appliances across campus buildings resulted into significant energy savings.
- A total of 50% power requirement of the College is met by the 20KW solar power system.
- Introduction of energy conservation awareness programs encouraged students and staff for responsible energy usage.

### Solid Waste Management:

- Implementation of a comprehensive waste management system resulted into separation of dry and wet waste at source.
- There is considerable reduction in waste occurred through Vermicomposting initiatives. Solid organic waste is utilized using Vermicomposting unit for enriching soil and fertilizing plants and green areas.
- Students are well aware to minimize plastic usage using 4 'R' principles and by avoiding use of non-recyclable plastic, the generation of plastic waste is notable reduced.

### Water Conservation:

- Reduction in water consumption is achieved through awareness campaigns and behavioural changes.
- Implementation of water-saving measures and installation of water-saving fixtures in campus helped to reduce daily water requirement of the campus.



- Water requirement for gardening, landscaping and for overall campus is fulfilled with rain water harvesting system. So the water is available in the campus throughout the year for irrigation and domestic purpose.
- Bore wells are recharged with the excess harvested rain water.


#### **Green Spaces Development:**

- Green spaces and green cover on campus is considerable increased with tree plantation drive.
- The neat and clean college campus provides healthier environment for students and staff.
- All the plants in the campus are tagged with their common names as well scientific names.
- Vermin compost produced using Vermicomposting unit is utilized for enriching soil and fertilizing plants and green areas.
- Establishment of green spaces and Botanical Garden helped to promote plant diversity in campus.

#### **Community Engagement:**

- Cleaning drive is helped to inculcate social responsibility among the students.
- Collaborating with local communities, our students are actively involved for environmental clean-up drives and awareness campaigns.

Through concerted efforts and proactive measures, the College has made significant progress in reducing its environmental impact and promoting a healthier, greener campus environment. Moving forward, the college remains committed to advancing its sustainability goals and serving as a model for environmental stewardship in the community. The Clean and Green Campus initiatives have significantly fostered a culture of sustainability and environmental responsibility within the stakeholders of our College.

  
Co ordinator  
IQAC, K. J. Somaiya College  
Kopargaon, Dist. A.Nagar



  
Principal  
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