



*Shri Someshwar Shikshan Prasarak Mandal's*

**Sharadchandra Pawar College of Engineering &**

**Technology, Someshwarnagar Tal – Baramati, Dist – Pune 412 306**  
(Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra &  
Affiliated to Savitribai Phule Pune University, Id.no.PU/PN.Engg./445/2012)

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**GREEN CAMPUS AND ENVIRONMENT POLICY**

**to**

**Sharadchandra Pawar College of Engineering and Technology,  
Someshwarnagar-412306.**

**VISION:** Sharadchandra Pawar college of engineering and Technology(SPCOET) vision is 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 eco-friendly.

**Mission:**

- To bring awareness among the students about the hazards spoiling the environment.
- To help the students and staff understand each individual's responsibility to take an initiative to save the environment.
- To help students take small steps in saving the environment.
- To take the lead in redefining its environmental culture and developing new ways by creating sustainable solutions to environmental, social and economic needs of the mankind.

**Objectives:**

- To encourage students and staff to keep environment clean.
- To educate students and staff to create awareness amongst public.



- To make students understand the importance of environment and its problem areas.
- To sensitize the students to minimize the use of polluting product.
- To motivate students to adopt environment friendly practices which include paper bags, save electricity, etc.
- To take necessary steps to protect the environment.

**Outcomes:**

- Awareness is created about the hazards that are spoiling the environment.
- Students and staff realize their individual responsibilities to save the environment.

**GREEN AND ENVIRONMENT POLICY**

SPCOET is a quality conscious institute about green and environmental issues.. It protects its own environment with its green campus initiatives and maintains a pollution free green and clean campus. Environment development is its basic work with the educational policies implemented on the campus. The Institution is committed to managing its campus in accordance with responsibilities towards promoting sustainable environment. These responsibilities can be demonstrated within the following areas

- Green Environment and Clean Campus .
- Tree Plantation Drive
- Solid Waste Management .
- E -Waste Management .
- Liquid Waste Management .
- Water Conservation and Management.
- Energy Use and Conservation.
- Restricted Use of Automobiles.
- Ban on Single-use Plastics on the Campus.
- Display Boards on College Campus.
- Green Audit.

**Green Environment and Clean Campus:** The students are given strict instructions to maintain the campus clean. Several Quotes related to the importance of clean and green environment are displayed on the campus. A gardener and full time adequate support staff are appointed for the maintenance of litter free clean and Green Campus.

**Tree Plantation Drive:** Every year institute conduct tree plantation drive under NSS programme. In the institute campus more than 300 trees are planted.



**Solid Waste Management:** The institute main focus is that minimal waste is generated in the campus. Solid waste is segregated as bio degradable and non-degradable and handed over to Grampanchayat Waghawadi, Someshwarnagar as a part of Swachh Bharat initiative. All Departments and classrooms are provided with dustbins for dry wastage disposal. Segregation of waste into dry and wet waste from the separately allotted dustbins is done in strategic locations for maintaining the Campus clean. Use of sanitary disposal machine is one of the best practices adopted by the college towards eco-friendly disposal mechanisms.

**E -Waste Management:** With the proliferation of electronics also comes the challenge of their proper disposal. The institute is grappling with ways to efficiently and cost-effectively handle the issue of electronic waste, or e-waste, on campus. The college adopts most scientific and eco-friendly e-waste disposal mechanisms such as AMC is maintained to periodically review the effective functioning of CPU's and Monitors and expert recommendations are followed to dispose the same in the market. All Electronic waste CPU's, Hard disks, Laboratory Equipment scrap is sent periodically to the market for sale. The institution has a contract for approved E-Waste Management and Disposal facility in order to dispose E-waste in scientific manner. Obsolete workable computers, printers and other equipment discarded by departments are sold as scrap. The cartridges of printers are refilled outside the college campus.

**Liquid Waste Management:** Students are made aware that conserving water is equivalent to conserving their future. Drinking water from the tap, and refilling bottle as often as the students need is one of the best practice followed by institute. Disposable bottles are not allowed. In house - plumbers attend promptly to fix leakages and wastage of water.

**Water Conservation and Management:**

Entire distribution system is well supervised by the college administration to ensure that there are no leakages and wastages of water through Leakages in the pipelines and the water-taps etc. Regular cleaning of the water tanks is regulated by the administrative staff of the college. All the stakeholders of the college are well-educated to use water economically and efficiently Adopting following measures in campus reduce water consumption:

- Rain water harvesting.
- Change of taps which are either more water efficient or sensor based taps.
- Use of recycled water for watering plants, trees etc.
- Display of water management instructions / alerts at prominent / relevant locations in the campus.

**Energy Use and Conservation:**

A.) Use of CFL/LED Bulbs/ slim tubes fittings in College: Principal's Office, Office of IQAC, Administrative Office, Library, Classrooms, Language Lab, Computer Labs, Science Lab, Departmental Offices, and all classrooms have energy efficient bulbs/tubes to save and conserve energy.



**PRINCIPAL**

Sharadchandra Pawar College of Engineering & Technology  
Someshwarnagar, Tal. Baramati, Dist. Pune (Pin : 412 306)



**SUPREME**  
Electrical Energy and  
Consultancy Services



## CERTIFICATE

This is to certify that "Supreme Electrical Energy and Consultancy Services, LLP", Pune has conducted **Green Audit** of "Sharadchandra Pawar College of Engineering and Technology, Someshwarnagr" Campus. It has been observed that the campus not only have implemented various Green measures in the campus for wellbeing of staff and students but also has separate Green policy of the campus which helps to maintain healthy environmental balance.



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## **Energy Policy**

to

### **Sharadchandra Pawar College of Engineering and Technology, Someshwarnagar-412306.**

**Preamble:** Energy is one of the most imperative aspects of country's technological progress. Efficient use of energy and its saving is essential for sustainable development. The process of energy saving is referred to as **energy management**. Thus, the process of planning energy saving measures, monitoring energy utilization, controlling and conserving energy in a building is termed as **energy management**. It involves (i) measuring the current energy consumption and formulating strategies and means to save energy, (ii) finding opportunities to save and analyzing the amount of energy that can be saved, (iii) taking action to save energy like replacing tube lights with LED's and finally (iv) gauging the effectiveness of the **energy management**. **Energy conservation awareness is important at all levels to involve all stake holders in effective energy management programme. Engineering institute can play a significant role in creating energy awareness among staff, students and parents for optimum utilization of energy to bring energy conservation idea into reality.** Energy management is the systematic process of maintaining and improving energy efficiency and reducing energy waste to bring significant economic and environmental benefits.

#### **Objectives of Energy Management:**

##### **1. Supply Side Objectives:**

- To formulate energy strategies, plan energy supply on short term, mid-term and long term basis and to ensure adequate supply of various forms of secondary (usable) energy to various consumers in the allocated geographical zone with minimum cost and minimum environmental pollution, to regulate energy flow.

##### **2. End Use Type Objective :**



- To select optimum energy forms for consumption and to optimize energy consumption of each form of energy for reducing energy costs and for improving productivity, standard of living and environment.

#### **Energy Management Principles:**

- Reduce, reuse and recycle.
- Use low investment but effective technologies.
- Fuel Substitution.
- Use of renewable Technology.
- Procure energy at lowest cost.
- Use energy at highest possible efficiency.

#### **Institute Energy Management structure:**

There is energy management cell at institute level headed by **Dr. Sanjay A. Deokar, who is BEE Certified Energy Manager and Energy Auditor**. It also includes two staff members from Electrical Engineering Department.

**Electrical Supply System:** Electrical Supply to campus is through 11KV HT supply express feeder from MSEDCL overhead line with 400KW sanction load .Energy consumption is measured by utility using TOD meter.

**Backup Power Supply:** Backup power supply arrangement is done using 40 KVA DG set.

**Reactive Power management:** Reactive power management is carried out using detuned APFC panel at substation level to maintain unity power factor.

Energy Policy of Sharadchandra Pawar College of Engineering and Technology is as below:



## ENERGY POLICY

Sharadchandra Pawar College of Engineering and Technology is one of the leading Engineering Institute in the rural area offering engineering education at UG level is playing very important role in economy development by providing skilled and Quality engineering professionals.

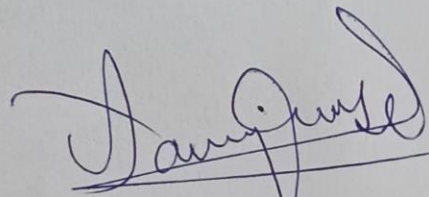
### Our Mission:

- Minimize energy consumption in the institute by implementing various energy conservation measures (ECO's), using maximum day light and natural ventilation.
- Conducting energy conservation awareness program.
- Installation of energy efficient devices.

### Plan to Achieve:

- Manage efficiently utilization of energy resources by use of cleaner and more efficient technologies.
- Train faculties , students and parents to make institute the pace setter in the area of energy
- Promote awareness related with energy conservation among various sections of society.
- Enrich our experience on energy conservation by exchange of ideas with other organizations.
- Motivate faculties to obtain BEE certifications like Energy Managers and Energy Auditors.
- Awareness about renewable Energy resources among staff, students and parents.



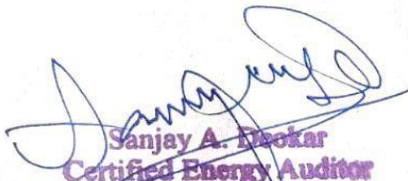
  
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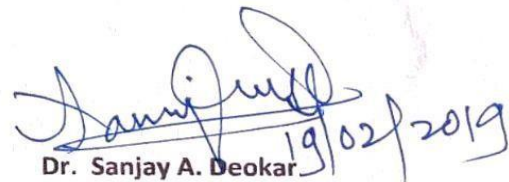
**SUPREME**  
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Consultancy Services

## CERTIFICATE

This is to certify that "Supreme Electrical Energy and Consultancy Services, LLP", Pune has conducted **Energy Audit** of "Sharadchandra Pawar College of Engineering and Technology, Someshwarnagar-412306". It has been observed that the campus has separate **Energy efficiency policy**. The Campus not only have implemented various Energy Efficiency measures to conserve electrical energy but also planning for installation of 100 kW Roof top Solar PV net metering system in the campus.

  
Sanjay A. Deokar  
Certified Energy Auditor  
R. No. EA:4494



  
Dr. Sanjay A. Deokar  
19/02/2019

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