

## **5.2 Special Initiatives Taken for following:**

### **5.2.1 Energy Conservation:**

#### **A) Digital and paperless practice :**

The college has increasingly adopted digital and paperless practices, especially during the admission process, to promote efficiency and sustainability. Online application forms, digital document submission, e-notices, and automated data management systems have significantly reduced the use of paper and minimized administrative workload. These initiatives not only streamline admissions for students and staff but also contribute to conserving energy within the campus. By reducing printing, photocopying, and physical storage needs, the college decreases electricity consumption and lowers its overall carbon footprint. Through these eco-friendly measures, the institution demonstrates its commitment to environmental conservation and a greener future.

#### **B) Student and staff awareness :**

The college actively promotes awareness among students and staff about the benefits of adopting digital and paperless practices. Through orientations, workshops, and regular digital communication, everyone is encouraged to use online platforms for submitting assignments, accessing notices, and sharing information. This shift not only reduces paper usage but also fosters a culture of environmental responsibility within the campus. By understanding how small actions—such as opting for e-resources, using cloud storage, and limiting printouts—can conserve energy and protect natural resources, both students and staff become active participants in sustainability efforts. Such awareness initiatives strengthen the institution's commitment to creating an environmentally conscious and energy-efficient learning environment.

#### **C) Use of cycles as mode of transportation by the staff :**

Government College Solan encourages its staff members to use bicycles as a preferred mode of transportation, promoting a strong culture of energy conservation and environmental responsibility on campus. Many faculty and staff commute to the college on cycles, significantly reducing fuel consumption and carbon emissions. This simple yet impactful practice not only supports a cleaner and healthier environment but also inspires students to adopt sustainable habits. By promoting cycling, the college contributes to energy savings, reduces traffic congestion, and fosters a greener, more eco-friendly campus atmosphere.



#### **D) Use of Solar Energy:**

The institution promotes energy conservation and the use of alternate energy sources by installing solar panels on the campus. In addition, energy-efficient measures such as LED bulbs and tube lights have been implemented to reduce electricity consumption and encourage sustainable practices.



## Solar Light and LED





## Energy Efficiency of Electrical Appliances



## Girls Hostel Solar Lights

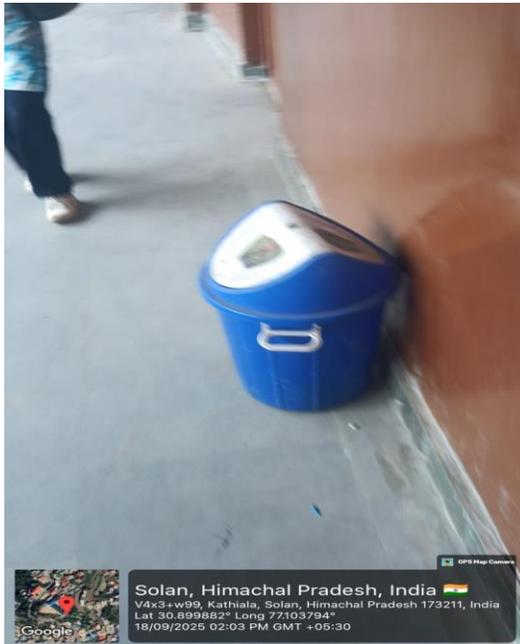
### 5.2.2 Solid Waste Segregation

Government College Solan is committed to minimizing its negative impact on the environment by focusing on waste reduction, recycling, and responsible disposal. The institution follows a systematic approach to ensure that used materials are reused wherever possible, thereby conserving natural resources. For effective management, waste is categorized into three main types:

- Solid Waste
- Liquid Waste
- E-Waste

#### Solid Waste Management:

Solid waste in the college is generated through routine activities, which include paper, plastic, glass, metal, and food waste. To ensure efficiency, waste is segregated at the source itself. Each block is supervised by an administrative in-charge who oversees the collection process at scheduled intervals. Sweepers on every floor are responsible for collecting, cleaning, and sorting the waste into designated dustbins (Green, Blue, and Red), provided on each floor. This systematic segregation facilitates recycling and eco-friendly disposal, helping the college maintain a cleaner and greener campus.



A Vermicompost Pit has been established near the staff residential area to process organic waste into nutrient-rich compost. This vermicompost is then utilized as natural manure for gardening, promoting eco-friendly practices within the campus. In addition, the college has partnered with an authorized vendor who is responsible for collecting waste from designated points. The vendor ensures proper segregation, recycling, and disposal of waste in government-approved landfills, thereby supporting sustainable and responsible waste management.



### **Liquid Waste:**

The liquid waste generated by the college can be broadly classified into two categories:

1. Sewage Waste
2. Effluent Waste from laboratories, laundry, and the cafeteria

### **E-Waste Management:**

Waste in the form of used papers generated by electronic equipment such as Computers, Printers, Fax and Photocopy machines are recycled and reused as far as possible. The e-waste generated from hardware which cannot be reused or recycled is being disposed off centrally through Sahni Enterprises in solan.

### 5.2.3 Rain Water Harvesting

Rainwater harvesting is a sustainable practice that involves collecting and storing rainwater for future use instead of allowing it to flow away. It is a simple yet effective method of water conservation that helps recharge groundwater and provides an alternative source of water for activities such as gardening and toilet flushing. This practice plays a vital role in sustainable water management. At our college, a fully functional rainwater harvesting system has been established. A storage tank has been constructed to collect rainwater, which is efficiently utilized for gardening and other non-potable purposes, thereby reducing the dependence on conventional water sources and promoting eco-friendly practices on campus.

The rainwater harvesting tank becomes especially useful during periods of water scarcity. The stored rainwater is channelled for daily campus needs reducing dependence on external water supply. This system ensures uninterrupted water availability even when the municipal supply is limited. By utilizing naturally collected rainwater, the college conserves resources and promotes sustainable water management on campus.

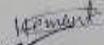
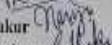


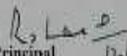
#### **5.2.4 Plastic Free Campus**

The college has been actively involved in encouraging no plastic use in college campus. Though the Himachal Pradesh state has policy of not using polythene bags across the state. The campus has too initiated the Green Audit Policy where steps have been taken to make the students aware of the harmful effects of plastic has on the health and due nonbiodegradable material the havoc it is creating on our planet. Awareness programs are held along with use of steel bottles and lunch box to the students. The college canteen has been directed to use paper disposable material only.

### OFFICE ORDER

As per the requirement of NAAC Accreditation procedure, every college should have a Green Audit Committee to formulate an environment policy and to monitor its adherence to environmental friendly ways of functioning. A committee with the following members is hereby constituted by the undersigned.

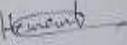
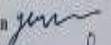
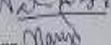
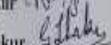
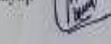
Convener: Dr. Hemant Shandil   
Members: Dr. Yogesh Jain   
Dr. Anil Thakur   
Dr. Nek Ram   
Aarti Negi   
Dr. Manju Thakur   
Dr. Geetika Thakur   
Dr. Ramesh Kashyap 

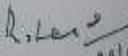
  
Principal 12/10/2022  
Govt. College Solan

### GOVT. COLLEGE SOLAN ENVIRONMENT POLICY

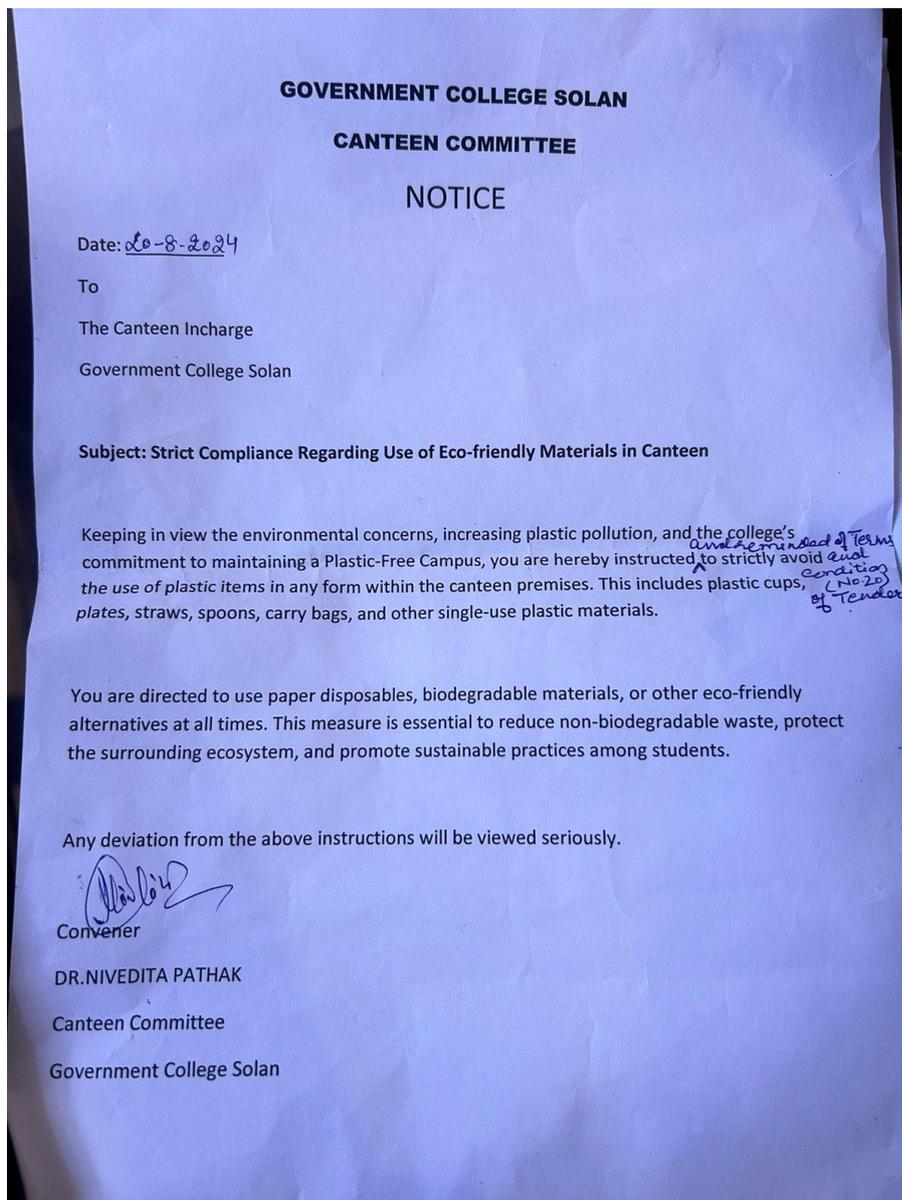
In order to work in environment friendly manner, Govt College Solan aims to focus on Reduce, Reuse and Recycle the waste as far as possible. For this the Green Audit Committee advocates the implementation of following measures to be taken inside the college campus as part of its environment policy.

- Reduce the amount of paper waste by adopting digital mode for internal working of the college. Print outs to be discarded by using on the both sides.
- Proper segregation of solid waste to be done by placing Red, Blue and Green dustbins inside the campus.
- Avoid utilization of plastic and aluminum foils by the students and staff for carrying eatables in the campus and promote the usage of steel and glass instead.
- Sensitize the students to enhance and protect the green cover of the college.
- Spread environment literacy by celebrating important days of relevance.

Convener: Dr. Hemant Shandil   
Members: Dr. Yogesh Jain   
Dr. Anil Thakur   
Dr. Nek Ram   
Aarti Negi   
Dr. Manju Thakur   
Dr. Geetika Thakur   
Dr. Ramesh Kashyap 

  
Principal 29/9/2022  
Govt. College Solan

**5.2.4.1:** Government College Solan has actively implemented a **Plastic-Free Campus Initiative to reduce plastic pollution** and promote sustainable practices within the institution. Under this initiative, the college issued strict instructions to the canteen to completely avoid the use of single-use plastic items such as plastic cups, plates, straws, spoons, and carry bags. The canteen has been directed to shift entirely to paper disposables, biodegradable materials, and other eco-friendly alternatives. This measure aims to minimize non-biodegradable waste, protect the surrounding ecosystem, and encourage responsible environmental behavior among students. The college's commitment to maintaining an eco-friendly campus reflects its dedication to creating a cleaner, greener, and more sustainable learning environment.



### **5.2.5 Blood Donation Camp**

The Department of Physical Education, Government Degree College Solan, organized a Blood Donation and Health Awareness Camp on 18th September 2024 in the college campus as part of its commitment to community service and student well-being. The primary focus of the event was on voluntary blood donation, with a large number of students and faculty members coming forward to donate blood, thereby contributing to local blood banks and supporting patients in need. The camp highlighted the value of blood donation as a noble act that saves lives and instills compassion, responsibility, and social service values among the youth. Alongside the blood donation activity, a free health check-up was also conducted for participants, which included blood pressure monitoring and body mass index (BMI) testing. More than 200 students and staff members enthusiastically participated in the event and benefited from consultations with health professionals, who provided guidance on preventive healthcare, nutrition, and healthy living practices. The camp not only addressed the immediate social need of blood supply but also raised awareness on the importance of personal health monitoring. By combining social responsibility with wellness promotion, this initiative effectively nurtured empathy, civic sense, and healthy lifestyle habits among students, reflecting the college's mission of holistic development.

**GOVT. COLLEGE SOLAN**

**HEALTH CAMP 2024**

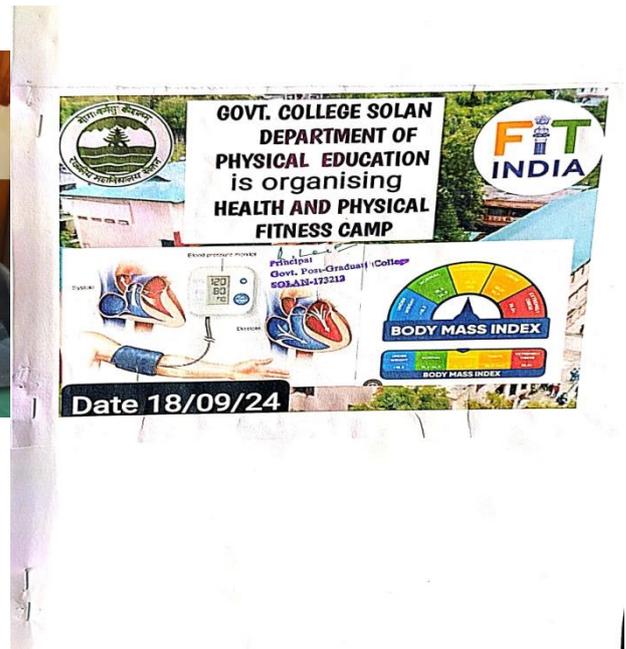
**REPORT**

The health camp was organized by department of physical education on dated 18.09.2024 at college campus to promote health status of student. More than 200 students and college staff members participated in the camp including blood pressure and body mass index tests. The objective of the health camp was to provide free health check ups and consultations to the community, raise awareness about various health issues and promote healthy living.

  
Ranjeet Singh  
Asst. Director  
Govt. College, Solan (H.P.)

  
PRINCIPAL  
Govt. College  
Solan, Distt. Solan





### 5.2.6 Adoption of Village

GDC Solan, through its NSS unit, has undertaken impactful initiatives to strengthen community engagement and instill social responsibility among students. On 7th March 2024, twenty NSS volunteers actively participated in a *Voting Awareness Rally* aimed at educating college students and the residents of the adopted village, Damrog, about the importance of casting votes. The initiative not only spread awareness about electoral participation but also encouraged responsible citizenship among the youth and rural population.

Further, on 14th August 2024, the NSS unit organized the patriotic rally *“Tiranga Yatra”*. Volunteers enthusiastically participated and visited the adopted village, Damrog, inspiring the villagers to hoist the national flag on Independence Day. This initiative reinforced the values of patriotism, respect for the national flag, and unity among the community.

These practices have had a significant impact on students by nurturing leadership qualities, communication skills, and a sense of civic duty. By directly engaging with the community, students learned the importance of democratic participation and national pride. The initiatives not only created awareness among the villagers but also instilled confidence and responsibility in the volunteers, making them more socially sensitive and active citizens.



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