

## Best Practice of the Institution

### Green Initiative

<b>Title of the Practice</b>	<p style="text-align: center;"><b>Green Initiative</b></p> <p>The term "Green" means eco-friendly or not damaging the environment. Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. It aims to analyze environmental practices within and outside of the concerned place, which will have an impact on the eco-friendly atmosphere. Green audit is a valuable means for a college to determine how and where they are using the most energy or water or other resources; the college can then consider how to implement changes and make savings. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self-enquiry is a natural and necessary outgrowth of a quality educational institution. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.</p>
<b>Duration: (Year of Inception) (Year of Discontinuation)</b>	<p>2021</p> <p>Still continue</p>
<b>Goals</b>	<ul style="list-style-type: none"> <li>➤ To map the Geographical Location of the college.</li> <li>➤ To document the floral and faunal diversity of the college.</li> <li>➤ To document the ambient environmental condition of weather, air, water and noise of the college.</li> <li>➤ To document the waste disposal system.</li> <li>➤ To estimate the Energy requirements of the college.</li> <li>➤ To reduce energy consumption to foster environment.</li> <li>➤ To fulfill the Institution's responsibility towards reducing carbon footprint and contribute to environmental protection.</li> </ul>

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- To promote Environmental Consciousness and Responsibility among students.
- To implement green practices consistently and effectively towards creating a sustainable campus.
- To monitor and evaluate the Green practices, towards building a sustainable campus.
- To generate innovative green practices, promoting the spirit of eco-innovation among students.

### **The Context**

It is in this context that the institution has been responsible and responsive in implementing green practices, such as solar powered campus, green plantation, Rain water harvesting structures, solid waste management, E-Waste management, energy conservation etc. It also conducts various programs and activities to promote awareness on various green practices under the aegis of the Eco-Club. IQAC cell has played an active role towards this end.

To enhance the effectiveness of the green practices and their impact, the institution has undertaken the Green Audit. Green Audit is a practice which audits and certifies the green practices by a certified environmental auditor. It is the assessment and verification of the activities undertaken by the institution towards mitigation of climate change, reducing carbon footprint, resource efficiency through conservation and effective utilization, sensitizing environmental issues etc.

The college has adopted the 'Green Campus' system for environmental conservation and sustainability. There are main three pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO<sub>2</sub> emission, energy and water use, while creating atmosphere where students can learn and be healthy. Moreover, Green Audit is assigned to Criteria VII of NAAC and to fulfill this requirement the IQAC Cell of the institution considered it the best practice of the college.

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## The Practice

The college has undertaken various activities under Green Audit.

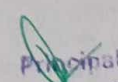
- **Renewable Energy:** The procurement of solar panel on building roof has been initiated to reduce the electricity consumption.
- **Biodiversity Conservation:** Artificial nests for the sparrows and other similar birds are set up in the college campus.
- **Tree Plantation Drives:** On Environment day, Green Diwali and Van Mahotsav and other important occasions Tree Plantation Drives are carried out by the institution.
- **Air pollution Reduction:** Students are encouraged to use public transport rather than their own vehicles.
- **Adoption of a Village:** for the Swachhta Abhiyan the institution adopts a village where cleanliness and plantation drives are carried out at School, Gurudwara Sahib, Roadside and Graveyard of the village.
- **Celebration of Environment related days:** The institution celebrates a one week Van Mahotsav, Environment Day and earth day to promote environment consciousness among the student interns.

The carry out Green Audit the institution contacted EHS Alliance Services, Haryana and according their guidelines the college has maintained an Audit Committee which consists of :

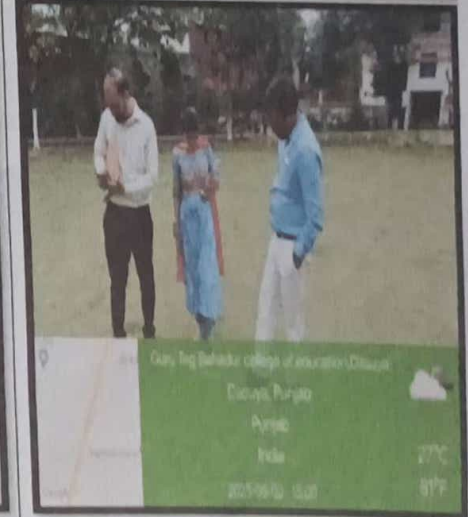
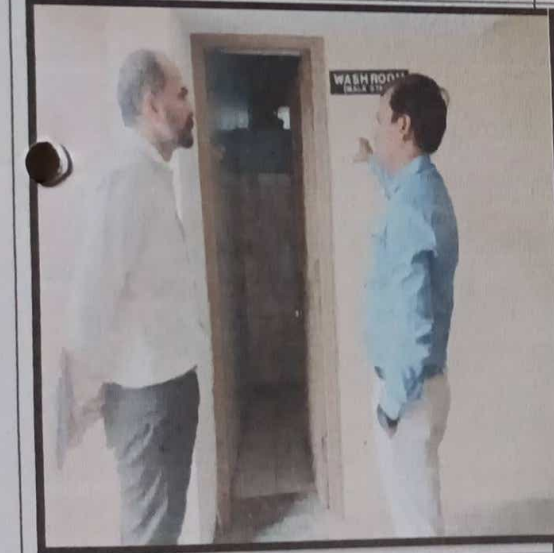
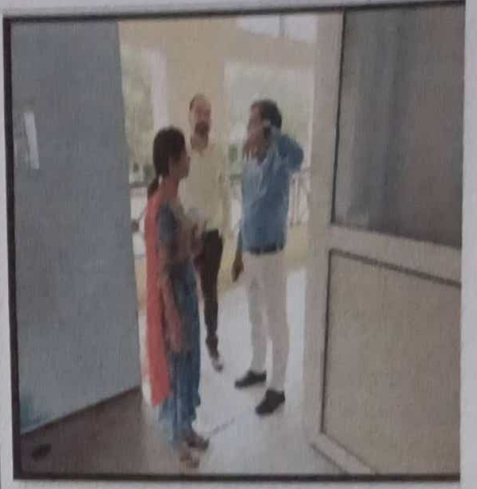
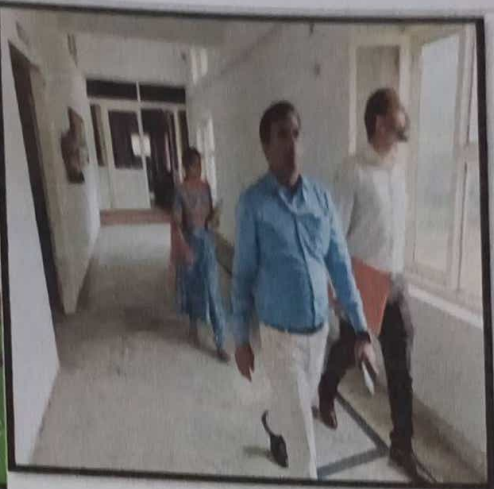
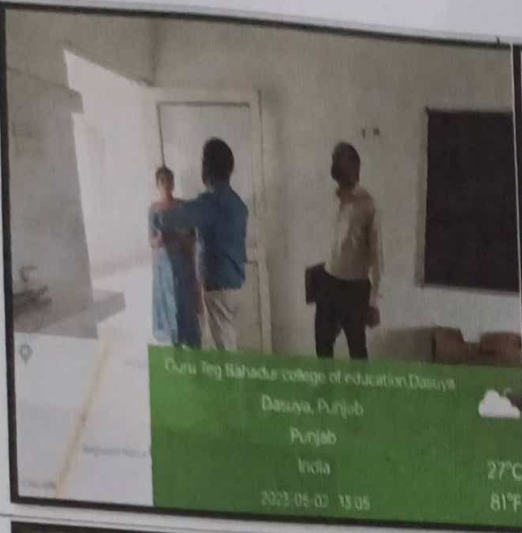
Name	Designation
Dr. Varinder Kaur	Principal
Ms. Sandeep Kaur Boski	Vice Principal
Ms. Gagandeep Kaur	IQAC Coordinator
Mr. Pardeep Singh Sahota	Assistant Professor
Ms. Tajinder Kaur	Project Coordinator
Mr. Raj Kumar	Assistant Professor

	<p>The Audit took place in three phases:</p> <div style="text-align: center;"> <div style="background-color: #0070C0; color: white; padding: 5px; margin: 5px; display: inline-block;">Pre Audit</div> <div style="background-color: #0070C0; color: white; padding: 5px; margin: 5px; display: inline-block;">On site</div> <div style="background-color: #0070C0; color: white; padding: 5px; margin: 5px; display: inline-block;">Post Audit</div> </div> <p><b>Pre Audit Stage:</b> At this stage Audit was planned and Audit team was selected. After the consultation with EHS Alliance Services, the day was decided. The college was told to collect information for the audit.</p> <p><b>On Site:</b> The Audit Team visited the institution and verified the data provided to them by observing and evaluating the environment of the college.</p> <p><b>Post Audit:</b> At the stage draft report of the audit is produced on the basis of data gathered. After some amendments final report was submitted and discussion on recommendations took place.</p>
<p><b>Evidence of Success</b></p>	<p>The success of the green practices is evident in the reduced carbon footprint from solar energy, reduced power bills, increased water table, increased carbon sequestration etc. The outcomes are reflected in Auditor's Report and the Certificate stands testimony to the effectiveness.</p>

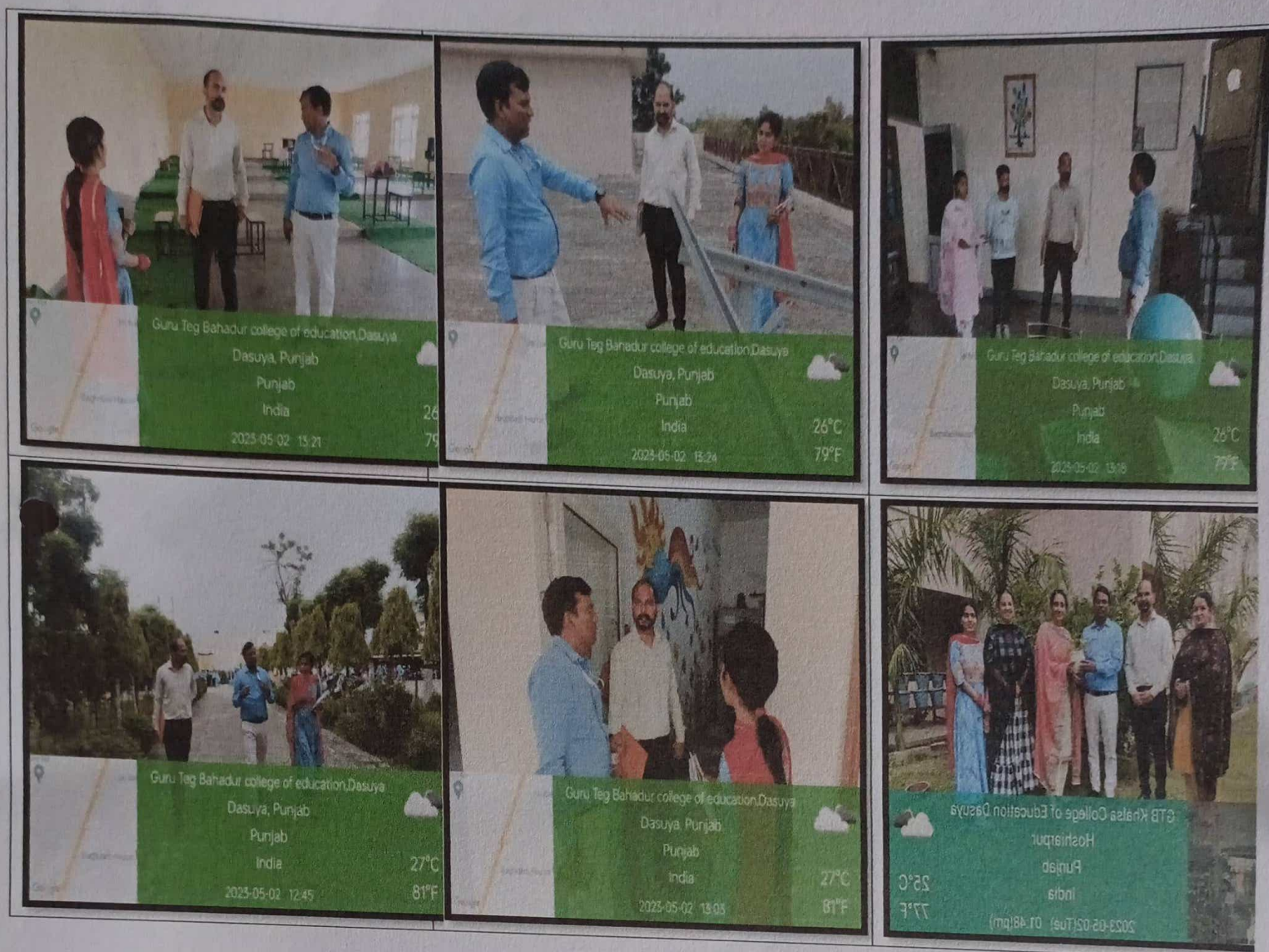


  
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<b>Problems encountered and Resources required</b>	<p>For the conduction of Green Audit an authorized authority was required which was not easy to found. Although we have discussed with many of agencies, yet we found no one trustworthy. At the end we connected with EHS Alliance Services which is situated at distant place. Moreover, Environment Audit, Energy Audit and other audits are required for the NAAC.</p>
<b>Notes (Optional)</b>	<ul style="list-style-type: none"> <li>• Water meters will be installed to check water usage.</li> <li>• Modern Rain Water Harvesting systems will be installed.</li> <li>• Plant ownership programme will be introduced.</li> <li>• Sanitary waste machines (incinerator machines) will be installed to dispose solid waste.</li> </ul>

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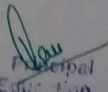
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## Best Practice of the Institution

### Tree Adoption Policy

Title of the Practice	<h4 style="text-align: center;">Tree Adoption Policy</h4> <p>Trees are invaluable assets to our communities. They provide homes for birds, squirrels, butterflies, and other wildlife. Their branches create beautiful shapes that soften the landscape. They shade and cool our streets and buildings and insulate our homes from cold winds. Trees and plants must be protected by everyone living on this earth planet as they not only provides shade, fruits, vegetables to us they also provide a living environment to us. They must be protected to ensure a better future for the next generation and a living environment to them. Trees are our lifetime companions who provide various benefits to us. Being associated with us, they can be adopted as siblings to be look after. The tree adoption policy states that to embrace trees for their wellbeing and to make the students cognizant about the effect of love and affection on the growth of a plant. Moreover it also emphasizes to connect the pupil teachers with the nature and environment.</p>
<b>Duration:</b> <b>(Year of Inception</b> <b>Year of Discontinuation</b>	2021  Still continue
<b>Goals</b>	<ul style="list-style-type: none"> <li>➤ To reverse the green lose.</li> <li>➤ The connect student interns with the environment.</li> <li>➤ To make the trees affectionate to the students.</li> <li>➤ To take care of the old and dying plants.</li> <li>➤ To strengthen human relation between pupils and the trees.</li> <li>➤ To make the trees bloom and grow with solicitousness.</li> </ul>

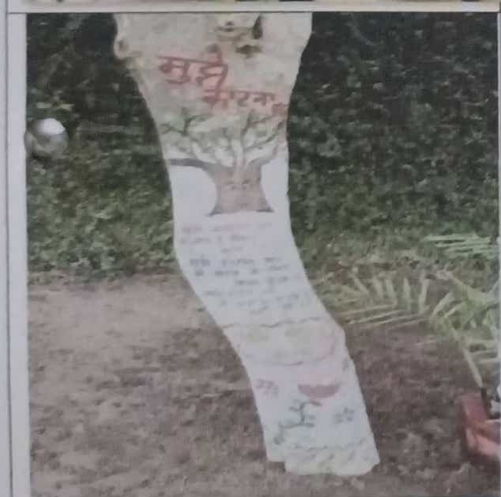
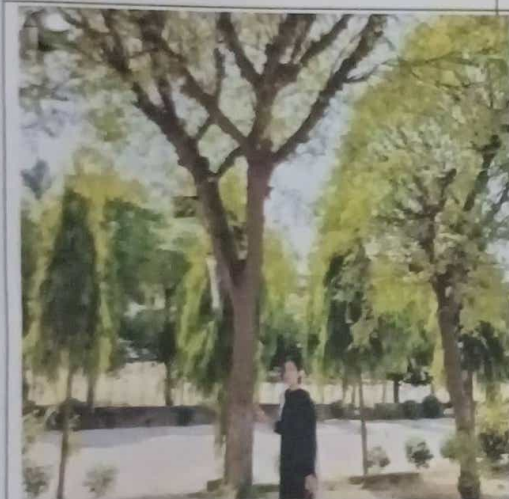
  
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<b>The Context</b>	<p>GTB Khalsa College of Education is rich in greenery as the 1816.33 sq.mt area is grass cover which consists of more than 2100 trees and plants. The college works in the area of environment protection and focuses on the inculcation of environment concern among the B.Ed. interns also, who will visit to various schools for their internship program and transfer their skills to the students and community. The college undertakes plantation drives at various occasions in which numerous kinds of trees are planted within and outside the campus. The students get involved in this practice actively. In the IQAC meeting it was discussed that the students are already engaged in the practice of preserving the surrounding by means of planting trees and cleanliness drives. So they should adopt the plants which are planted by them and trees which are already grown big. So, IQAC and Eco Club of the college decided to adopt it as Tree Adoption policy in which all the students adopted trees as their siblings.</p>
<b>The Practice</b>	<p>The institution has launched a drive to save trees by directing the B.Ed. intern to adopt trees, which are dying because of neglect and concern. This is the movement to protect old, sick trees in the institution and hence saving the environment from further depletion. Motivating the students to take a step forward and adopt at least one tree in their own name. The college is working on emotional attachment to save the green cover. Moreover, adopting a tree would lead to a feeling of ownership and emotional attachment that is perhaps lacking among people, which is why they are apathetic towards environment. If one is conscious of the fact that they have a tree, a responsibility in their name, the person will do anything to ensure that the tree lives.</p>
<b>Evidence of Success</b>	<p>It is found that adopting a tree makes the students concerned about the natural wellbeing. They imbibe the sense of fraternity for vegetation. They water the plants in the morning and check their growth. Thus, they build strong association with the environment.</p>

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