

7.2.1 : Best Practices of the Institution (2018-19):

Practice No 1 Title of the Practice: Conservation of Green Environment (CGE)

Context that required Initiation of Practice:

The college has lot of open space where in the season of monsoon would be wild grass only. The Administration kept the goal for creating an ambience and learning environment that would make students aware about Biodiversity and Environment friendly practices. Thus, an Environment club was created so that students could be involved in activities like Plantation drives, preservation of Flora in the campus, seminars related to environment protection so as to sensitize them about the problems being generated by the modern lifestyle and their remedies.

Objectives of the practice:

- 1.Students would be able to acknowledge the importance of conserving trees.**
- 2.Ensuring the conservation of biological diversity along with creating and sustaining an Eco-Friendly and elegant Campus**
- 3.Extension outreach programmes of the campus and its adjacent communities would become easy to tackle.**
- 4.Footpaths made of interlocking tiles along with regular cleanliness drives would ensure a clean, healthy and green campus.**

The Practice:

The college undertook the initiative of creation of “Chirhian da Chamba” and “Administrative Garden” in front of administrative Block

and a “Kitchen Garden” in its backyard. Alongside the parks Pavements for Pedestrians were created with interlocking tiles. The iron grills were used to make boundaries of the gardens. The parking area was also developed under this drive. Almost 12 lakh rupees were spent from PTA and HEIS grant for the purpose. This gave the college a well-designed, environmentally elegant and approachable Infrastructure. The Buddha Statue has been placed at the anterior side of the “Administrative Garden” to promote the ethical principle of not causing harm to other living things. The herbal garden created in the backyard of Administrative Block contains turmeric, Tulsi (basil), mint , chilli, Thai basil, cumin, fennel , fenugreek, lemongrass ,etc.. the plants have been grown to create interest among students to make kitchen gardens for homes.

The College under its outreach programme of “Swachh Bharat” has adopted two villages Dandrala and Mukandpur . The NSS unit of the college with the help of ‘Alumni Association’ and ‘Forest Department, Derabassi’ has planted nearly 200 trees in these two villages. These organizations have also helped the college in planting 600 trees in the college campus mainly in the area posterior to Sports Complex. Majority of the planted trees are Chakrasla, Kusam, Neem, Shahtut, Kadam, Harad, Baheda, Awala, Kachnar, Pinkashla, sukhchan, Sawajna, Silveroak, Tahli or Sisham, Sagwan, Dek, Molsari etc. in the campus premises. and in the villages. Beside the college has successfully nurtured these trees with the help of village administration.

Every first and last Saturday of the month has been declared as the cleanliness drive day and various environmental activities are undertaken by students and college staffs.

Obstacles: Not much obstacles were faced as the forest department helped in providing many trees which are available free of cost from the department. Many trees were donated by the ‘Alumni Association.’

For the construction of pavements and Parking Area, the college used its own funds.

Actions devoted to conservation of a green campus are time consuming and expensive.

Impacts of the Practice:

- ☒ Success in the creation of an Eco-Friendly College Campus is quite evident.**
- ☒ Not only NSS volunteers but many other students' involvement led to success of awareness drive.**

Practice No 2 Title of the Practice: Energy Conservation using Solar Power Panels (ECUSPP)

Context that required Initiation of Practice:

Government College Derabassi is located in the semi urban area. Due to this many times the college has to face power cuts due to seasonal and daily variability. Such power cuts during examinations times created chaos for the students. So, the college decided to install solar panels and LED lights, taking big step toward future of energy in the area and helping the environment.

Objectives of the practice:

- 1. Generation of electricity through solar panels will save the money on electricity Bills.**
- 2. Installation of energy-efficient light fixtures /LED bulbs and tubes will help in lesser use of energy than traditional incandescent bulbs and tubes again a cost-effective step.**

3. Installation of Solar panels is environmentally friendly as it will reduce the reliance of government on fossil fuels.

4. It will educate all the stakeholders about sustainable living.

The Practice:

The task brought the college council together as all felt the need to install Solar Energy Panels as it would reduce the cost of electricity bills by about 70 . So, PEDDA (Punjab Energy Development Agency), a Government Agency was contacted to purchase solar Panels. Thus, 25 KV Rooftop Solar Plant was installed for solar power generation. As the college could not purchase the Backup system (Solar Generator) for Solar power in case of Power cuts, the college purchased a generator of 62.5 KVa , installed in November 2018 to deal with electricity cuts. The power plant is able to generate 121 KWH, almost 3000 units per month on average. Five Solar Street lights independent of utility grid have also been installed in the outside campus area of the college near the gardens. As solar street lights require less maintenance cost as compared to conventional street lights, it has saved both energy and cost. Further as this is nonpolluting source of electricity, the college has cultivated a sustainable culture and developed Eco-Friendly Campus.

Obstacles:

The expenditure incurred had been made available by RUSA. PEDDA is again a Government agency . So, not much difficulty was faced in installation.

Impacts of the Practice:

1.The College has created an Eco-Friendly and Green College Campus.

2.The students do not face problem of electricity cuts during examinations.