

5. Green and Clean Campus

i. Green initiatives of institutions.

Objectives of the Practice

- To educate and sensitize students about waste management.
- To check and control Pollution.
- To reduce energy related costs
- To preserve local characteristics
- To dispose of solid and liquid waste and chemicals in a responsible manner
- To install environment friendly energy conservation
- To purchase recyclable and environment friendly products whenever practicable

The Context

There has been a close relationship between nature and mankind since the inception of humanity and there has to be a harmony between the two. Environmental issues are such that they affect every living being. These issues are related to different aspects of life as these issues basically deal with the existence of life and sustainability of resources and the earth itself. Our religious scriptures also highlight the importance of nature and therefore it has always been worshipped. We have been using and thus exploiting nature to such an extent that environmental degradation is a major threat today. After industrial revolution the pace of resource exploitation and consumption has also increased to cater to the needs of increasing population. Consequently, there has been greater use of fertilizer and pesticides leading to pollution. Therefore, there is an urgent need to conserve natural resources for the survival of future generations. Green Practices help the college to stand out as a role model in environment conservation for the students who are the future of our country. In this context the college has adopted the following practices:

1. Solar Panels & Solar Lights
2. Rain water harvesting Tanks
3. Vermi Compost Pitt
4. Plantation Drive by NCC/NSS/RR
5. Eco Club Formation

The Practice

Solar Panels & Solar Lights

We know that sun is the ultimate source of energy on the earth. India being a tropical country, sun light is available in abundance. Vertical solar radiation is available almost throughout the year and we need to harness and utilize this energy. Understanding the need to tap this resource, the college has set up solar panels and solar lights at key points in the campus. The solar lights illuminate the college at night and also help in educating students about how electric energy can be saved for the country.

- Solar panels with better capacity were installed in the Administrative block in 2024.



Rain water harvesting Tanks

Life has been possible on earth due to water. Water that we use comes to us through water cycle. The water vapours get condensed in the atmosphere and precipitation takes place on the earth surface in the form of rain and snow. The rain water on the earth surface is used in different ways. Most of the water flows through the rivers back to the oceans. We are using this precious resource luxuriously. We are over utilizing surface as well as ground water. So, there is an urgent need to manage this resource and use it judiciously. Accordingly, the rain water harvesting tank, which uses surface runoff harvesting, has been set up to store the rain water and utilize it at a later point. This practice teaches our students how to reduce the consumption of water and how to restore the water table. This water is free from pollutants as well as salts, minerals and other natural and manmade contaminants, and is used for irrigational purpose.



Vermi-Compost Pit

It has been set to emphasize the use of bio-fertilizers and reduce dependence on urea and chemical fertilizers. Waste materials are collected, decomposed and broken down by worms, insects, bacteria, fungi and a dark fertile soil is formed which is called compost. It is mainly the bio degradable material kitchen waste, leaves and branches, human waste which can be used for this. These materials are put in a pit and mixed with soils, leaves etc. Worms, insects etc are introduced deliberately and water is sprinkled on the top to keep it moist. Thus, rich fertile manure is produced.



PLANTATION DRIVE

- The first activity of the Eco Club for the year **2024–25** was the **Plantation Drive** conducted on 17 September 2024.
- Around **30 students of 1st, 2nd, and 3rd year** participated and prepared pits for plantation.
- The plants were **donated by the Herbal Garden, Joginder Nagar** on the occasion of “*Ek Ped Maa Ke Naam*”.
- **Herbs and tree saplings** were planted during the drive.
- Each student **adopted one plant** to take proper care of it.
- The event was **graced by the Regional Director, HRTC Joginder Nagar, Shri Ansh Chauhan, and his team.**
- The guests made students aware of the **botanical names, local names, and uses** of the planted species.
- The **Principal, RGMGC Joginder Nagar**, also accompanied the students and planted a sapling.



**ECO CLUB PLANTATION DRIVE
17.9.2024**



- A tree plantation drive was carried out by the NSS voluntaries on 09-sep-2024 nearBanderiMata temple Galu.

Eco-Club

This club of the college creates awareness of environmental issues such as protection, conservation, preservation, and restoration with an emphasis on educating and empowering students. As a result, the students and parents have a deeper understanding of environmental issues and have the wisdom to make informed and responsible decisions. In addition to the various literary activities, awareness programs and lectures, the Eco club organizes actionbased activities like tree plantation and cleanliness drives, grow kitchen gardens, maintain vermin compost pests and rain harvesting tank. The large-scale participation of students shows that they are interested in environmental advocacy and awareness.

The students are sensitized to minimize the use of plastic bags, not to throw them in the public places as they choke drains and sewers, cause water logging and provide breeding ground for mosquitoes. The college organizes tree plantation programs, awareness programs such as quiz, essay, painting competitions, slogan writing, rallies etc. regarding environmental issues and educates them about recycling and reuse of waste material. The students are also sensitized about traffic rules, use of unnecessary horns, and against the use of crackers and fireworks. Field visits to environmentally important sites are held. Indiscriminate burning of waste, which causes air pollution and respiratory diseases, is discouraged. Students are also motivated to imbibe habits and life style of minimum waste generation and distinguish between dry wet and bio degradable waste. They learn to identify polluting

agencies and forward it to the enforcement agencies. The volunteers learn to beautify the college campus and surroundings with plants and flowers and put campaign boards to spread awareness. The students are imbued with the ethos of conservation of water and develop skills of observation, experimentation, survey and analysis needed for environmental conservation.

We as an Institute follow the principle of 3 R's: Reduce, Reuse and Recycle



Collection, distribution and plantation of *Waithianasominifera*, on 13.11.2024





Members of Eco Club of RGM Govt. College, Jogindernagar, visited the exhibition conducted by the 'Ayurveda Anusandhan Sansthan' in the Red cross fair, where they collected the plantlets of the well known Medicinal Plant *Waithianasominifera*, which were taken to the Botany Department and distributed to the members of the Eco club so they can be planted in the institution or their own houses, in this way the importance of medicinal plants could be spread in society.

- Environmental Geography Week was celebrated with effect from 18 Nov 2024 to 24 Nov 2024.
- A mass cleanliness drive was carried out in the college campus on 10 Oct 2024.

Evidence of Success:

1. We have Solar Panels connected with Library.
2. We have Solar Lights in the Campus.
3. We have Rain water harvesting Tank.
4. We have Vermi Compost Pitt.
5. We perform “Clean India Campaign” by NCC/NSS/RR.
6. We are always motivated for Plantation Drive by NCC/NSS/RR.
7. The Eco Club creates environmental awareness among masses by popularizing those activities which are eco-friendly.

ii. Cleanliness in washroom buildings/ campus:



