



INNOVATIONS AND BEST PRACTICES

Environment Consciousness

- The institution has a system for green-auditing of its facilities which is carried out informally by the National Service Scheme and Nature Club.
- The use of plastic bags is avoided in the campus and the authority is planning to declare the entire campus as “No Plastic Zone”.
- Students and staff are motivated to use jute bags or cotton bags
- The students and staff have planted several tree saplings during various tree plantation programmes organized by the institution through the NSS wing and all these trees are taken care of and maintained by the gardeners of the institution.
- Care is taken to ensure that the college environment has low levels of carbon emission and low pollution levels so that the campus is healthy for all.
- The college is declared as ‘No Tobacco Zone AND No Plastic Zone’

INITIATIVES TAKEN TO MAKE THE CAMPUS ECO- FRIENDLY

Energy conservation

- The College conducts awareness programmes on energy conservation and adopts measures to ensure that energy is conserved wherever possible.
- Every department follows a policy of switching on power only when required and switching off when not in use.

- Class rooms in the old block have very wide and long windows with a high roof of almost 12.5ft which ensures that the use of lights and fans would be minimum as ventilation is naturally enhanced.
- Many classrooms, departments, administrative office and the Principal Chamber of the college are airy and well illuminated for the maximum use of natural lighting during the day time. Tube lights are used instead of incandescent bulbs wherever the natural lighting is insufficient to minimize power consumption. The institution strictly observes to see that no electric equipments run unnecessarily. Thus enough measures are taken to use electricity carefully.
- Almost all the computer monitors in use are either LED, LCD or TFT types to ensure minimum usage of electricity and also to reduce the level of radiation.

Renewable energy

- Presently no renewable energy sources are present in the campus
- Bio – gas plant will be installed for use in the girls' hostel of the campus. The initiative to install this was taken by the department of Botany.
- Solar lights are available in the campus, but wide plans are ahead to install roof top solar panels

Water harvesting

- Rain water harvesting project has been implemented in the college. The water thus harvested is being used for watering the plants and gardens since 2003.

Efforts for Carbon neutrality

- Plantation of trees and green grass in the college quadrangle and in the front end.
- Potted plants dot the corridors of the college with more than 50 different samples.
- The College has made arrangements for the parking of the vehicles of the students and staff near the entrance. This helps in keeping the campus as much clean as possible.

- The campus is also smoke free. The dead leaves and waste papers are not allowed to be put on fire. The dead leaves and waste papers are scientifically decomposed off by burying them in the soil.

Plantation

Tree plantation drives are organized regularly to create clean and green campus. The NSS and NCC wings of the college take up planting saplings regularly. The Botany department of the college maintains a green house which houses a large variety of medicinal plants and wide variety of plant species.

It is the tradition of the Institution-Planting of tree saplings by chief guests during their visits to the college for various functions.

Hazardous wastemanagement

The college generally does not generate any hazardous waste in any manner. However, the college strives to generate minimal waste and tries to reduce the use of plastics whenever possible. Moreover, from 2017-18, the college has been declared as plastic free Zone

- Waste is segregated as biodegradable and non-biodegradable.
- The college has built a solid waste disposal bin at the rear end of the basket ball stadium. Solid wastes like broken glass beakers, test tubes, rubber tubes, etc. are collected from the entire campus and stored here. This solid waste is then collected by NSS volunteers in every alternate day and is then disposed off.
- Use of pesticides and other harmful chemicals in the garden is replaced by adopting organic methods of gardening wherever possible.
- In order to dispose the acid fumes, chemistry labs are equipped with exhaust fans and fumehoods.
- Mild chemicals are used for cleaning and maintaining the campus.
- Sterilization is performed by autoclaving and then the remaining wastes are properly disposed off, in accordance with standard waste disposal norms.

- Vermicomposting is also in practice for disposing the wet waste from canteen and also other biodegradable wastes.

e-wastemanagement

- Printer Cartridges are generally refilled and not disposed. Wherever refilling is not possible, the cartridge is returned to the manufacturer
- Paper waste is sold off to vendors who send it for recycling.
- Computers in satisfactory working condition, but are obsolete for the system, are usually used for teaching – learning purposes of Computer Architecture and Hardware courses. Similarly, computer parts and peripherals are reused in other systems.
- All damaged or non-functional electronic materials (e-waste) is returned to the manufacturer.
- UPS batteries are exchanged for a nominal cost (buy back offers) with the vendor of the new batteries.
- The management has evolved a procedure for e – waste wherein the individual departments in the college store the waste and once in six months it is collected by a designated person from the management. It is later sent for recycling units.

INNOVATIONS

Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- Pre-placement training:** Students are imparted pre-placement training so as to prepare them for interviews. The college placement record itself speaks volumes and the placement records show impact of pre-placement training.
- SAFETY:**
 - **INFRASTRUCTURE:**
 - The main building has multiple entry and exit points with wide staircases.

- Fire extinguishers are strategically placed at multiple locations including the departments, laboratories, office, Principal's chamber, auditorium, library, etc.
- CCTV is installed at strategic locations in the campus and the monitoring unit is housed in the Principal's chamber to get a quick review of the activities in the college at different locations. This enhances the security system in the college as it also has recording facility.
- **DISASTER MANAGEMENT:** NCC cadets and NSS volunteers have participated in Disaster Management exercises.

c Academic

- Seven class rooms are made ICT ready
- The College has two Smart interactive boards to enhance the teaching – learning methods with latest technology
- Several departments have LCD/LED projectors useful for preparing and delivering the lectures through multimedia presentations
- Every department equipped with a computer and internet connectivity
- Library has a separate e – library which allows access for e – resources
- Question bank made ready in many subjects.
- Lending 3 books per student to SC/ST/OBC from Book Bank for 1 year

Feedback system

Technology enabled learning environment is ensured. The basic computer knowledge has been made compulsory for all the students and the teachers. All the teachers have been instructed to have an email ID, so that important information could be shared instantly. This practice has enabled the teaching faculty to use computers and internet to improve their teaching practices.

BEST PRACTICES

1. Madhusudan Memorial Lecturer

Every year the College organizes Madhusudan Memorial talk in its foundation day i.e. 9th July. The objective of this programme is to instill the values and the works of Barrister Madhusudan Das, son of the soil and the person responsible for Odisha as

astate&Odia pride, to students teachers and public. A person of National repute and contributed for the society is awarded with Madhusamman each year. A published book of the Memorial lecture of each year is circulated in the function

2. Blood Donation Drive

'Safe a Life' through annual blood donation camp. The Blood Donation camps have been organized from the past 25 years and contributing about 120-150 pints of blood collected and given to Blood Bank SCB Medical College Hospital, Cuttack. Besides, whenever there is an SOS call from any hospital, students generously donate blood to save lives. Red Cross and SCB College & hospital has recognized this noble cause and awarded a certificate of appreciation for donating blood continuously for the past years.

3. Mandatory Project Work/Internship

Students get an exposure to basic research and opportunities for internship and turn out to be independent thinkers with augmented job opportunities. In the Curriculum one paper of 100 marks is mandated for a 6th semester student to go for a Project work and submit a dissertation. In consideration to Project Dissertation and Viva voce marks are awarded to the student by External and Internal examiner

4. Sunday Science School

To move beyond academics and develop scientific temper, the department of Chemistry has taken up Sunday Science School Project for Higher Secondary students, a concept promoted by Retired Chemistry Teachers Forum in collaboration with Odisha Chemical Society. The aim is to give hands-on experience and develop scientific literacy.

5. ODISHA Day Celebration

On 1st April 1936, Orissa got its entity at state basing on its language and culture. In order to commemorate day the College observes of the day and organizes rallies, meetings and symposiums to popularize Odia as the national language, creates awareness on career opportunities in Odia literature and taps the creative talent in Odia.

6. Public Address System

Every department takes the responsibility to conduct 'Plan for the Day' session every morning before the commencement of class. The session includes breathing exercise, message on a particular theme for the week with anecdotal references, thought for the day, news headlines and important notices.

7. Student Cabinet

Student leaders are vibrant carrying out responsible tasks with conscientiousness. In addition to conducting various competitions/activities/celebrations, they offer their services to maintain discipline/cleanliness, to serve food at the canteen during peak hours and train the juniors for intercollegiate competitions. The stamp of excellence of these leaders is recognized on the Annual Day with trophies and certificates.

8. The College Band

The college band, trained by an external expert, rises to every important occasion of the college with Guard of Honour, making the campus come alive with music and rhythm. On the Merit Certificate Day, the members get certified for their contributions throughout the year.

9. Training Centre for promising Athletes

The Athletic Club of Salipur College has been offering Training for the local youths and promising athletes. The gym of the College is open for 6 hours daily for the use of students and local Athletes. During Puja Vacation and Summer Vacation the Athletic Club set up temporary Training Centers to train the athletes. Many groomed Athletes of Odisha have been trained from this centre.

10. Shop Without Shop keeper

In order to sensitize the students about honesty, integrity and to develop a spirit of entrepreneurship, the Department of Chemistry has initiated a small organisation 'Shop without shop keeper'. The seed money of the event was Rs.5000 in the year 2017-18 and now its turnover is Rs15000p.a. The shop is managed by the Final year students of Chemistry and is selling Note Books, Pen, Pencil, Erasers, and other essential study materials.

11. NoTuition fees from Girls and poor students

The In obedience to State government guideline the college is not collecting any tuition fees from the Girls students and also from the ST/SC and Economically backward students.

12. The Alumni Association

The Alumni Association is a registered body and has a strong global network. The executive members conduct social service activities for the underprivileged and meritorious students and organizes a function each year

13. Planting Saplings

When Principals/faculty reach superannuation, saplings are planted to enhance greenery on the campus. Moreover the Department of Botany has taken care of to implant saplings of medicinal plants.

14. Counselling Cell

Students counselling cell is working here efficiently and effectively. The cell is organizing entry in services classes and soft skill classes for the student. The cell is also responsible to provide information on job opportunities to the students

15. Celebration of International Women's Day

International Day for Women in association with the Women's Cell and the alumni of the College is celebrating every year and four student achievers are honoured.

16. Scholarship for meritorious and poor students.

The college provides freeship and financial assistance to the meritorious students through SSG and SAF. The National Scholarships and state Government

scholarships are also provided to the economically backward students.

17. Awards by the staff members to Best Graduates

Awards instituted by the staff members of the College to the best graduates of different departments in the memories of their family members.

18. Awards instituted by staff members of the College to best athlete in the memories of their family members.

Awards instituted by staff members of the College to the best athlete in the memories of their family members.

Elaboration of two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

ELABORATION OF TWO BEST PRACTICES

1. Environment is our Friend:

- I. **Know your Environment:** The Students and teachers collect the data in a regular interval regarding geographical area, sources of pollutants, identification of rare and endangered plant species from their immediate surroundings. The feed backs and suggestions are collected from the local people to safe guard it. The students also collect information on the medicinal value of the plant from local experienced people and discuss with teachers and experts.
- II. **Sowing seeds** of Mango, Black plum, , Jack fruits and Dates by the students in the nearby vicinity and responsibility divided among the students to protect it and develop it.
- III. **Worship to Trees:** Conservation of Plants through worship to Neem Tree, Bel Tree, Banyan Tree and Pipal Trees. The Plantation programme is organized each year by the NSS wing.
- IV. **Swachh Indhan, Behtar Jeevan**, Union Government has launched a social welfare scheme "**Pradhan Mantri Ujjwala Yojana**" (PMUY) on 1st May 2016. The scheme envisages of smoke free Rural India and aims to benefit the women living below poverty line (BPL) by providing concessional LPG connections. The scheme will increase the usage of LPG and would help in reducing health disorders, air pollution and deforestation. Regular survey is conducted regarding awareness and implementation of the programme.
- V. **Horticulture increases incomes:** Farmers growing high-value crops, such as fruits, vegetables, flowers or herbs, consistently earn more than those growing other commodities. Horticulture can be an engine for agricultural and economic diversification. To Improving livelihoods by increasing

farmer profits and diversifying nutrient-rich diets are major goals of the Horticulture. An Awareness drive is organized each year by the NSS.

- VI. **EDU DRIVE ON BIO-COMPOSTING:** Bio-compost is considered as a key ingredient in organic farming. It is very rich in nutrients. The process bio-composting is done by simply piling up wastes in the field or any outdoor place and then leave it undisturbed for a year or more. Bio-compost in the ecosystems is very useful for control of soil erosion etc.. Agro based people of the villages are being informed by the NSS wing and the Department of Biology about the benefits,

2. SHOP WITHOUT SHOPKEEPER

---A shop that teaches the value of honesty

To the students, honesty is not just the best policy, it's the only policy.

Students at Salipur Autonomous College, Salipur do not cheat, even when there is ample opportunity. In the college students are taught about integrity and honesty through 'Shop without shopkeeper' and students are the only customers. They come to the shop to buy pencils, pens, paper and other goods, but there is no shopkeeper. They simply drop their money in the cashbox and help themselves to what they need. There's no supervision and no guard.

Sometimes, the cashbox shows that the little customers even deposit a bit more than the required amount when they have no change,. They'd rather pay extra than pay less when buying something from the Honesty Shop.

Still, there is clear opportunity to cheat the authorities very easily, but the students do not do so. What encourages them to avoid being a little dishonest now and then, especially since they will not be caught out or reprimanded?

The answer from a group of students is reported as: *It is a matter of trust. As teachers trust them, they try to honour this faith and remain untainted.*

'Honesty is the only policy', is a buzzword among students and is the slogan of the school's 'Shop without Shop keeper project project.

The College has one shop which have been running for the past two years successfully.

The shop is neither manned by a shopkeeper nor under CCTV (closed circuit television) surveillance. Students are free to buy stationery available at the shop, simply dropping their money in the red cashbox.

CONTACT DETAILS

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ELLABORATION OF BEST PRACTICE PLASTIC FREE CAMPUS OR NO PLASTIC ZONE

In the Scholastic year of 2017-2018 stick to the principle of the golden rule, “**say no to plastic bags**” was conceived. We diligently executed this maxim with in our academic establishment (AQAR: 2020-21), effecting a discernible deduction in plastic their usages.

1. **Title of the Practice: “Plastic free campus or no plastic zone”**
2. **Objectives of the Practice:** The most effective way to tackle plastic pollution is to learn to use less plastic in the first place.
3. **The Context:** The harmful chemicals released from plastic products throughout their entire life cycle can pose a serious risk to humans and the Environment including when waste is not properly managed find its way to air, water and soils. These are the contextual features.
4. **The Practice:** University Grants Commission here by issues the following guidelines for all the higher educational institutional in the Country. They encourage HEIS to adopt policies and practices towards cleaner and plastic free campuses. All the HEIS in the country shall strive to make their campuses “**Plastic Free**” by systematically banning use of plastics and replacing the same with suitable environmental friendly substitutes.

5. **Evidence of Success:** Alternative facilities like water units were installed to avoid the use of plastic water bottles. Paper cups, Cloth bags, Paper bags etc are popular among students on campus instead of plastic bottles, bags, covers etc. These are the evidence of success.
6. **Problems Encountered and resources required:** Although demand for plastic is forecast to continue raising, growth in production and consumption is coupled with an inefficient global waste management. Typically plastics are created from nonrenewable resources. The pollution is world's water is predominantly plastic. Multiple economic cross could result from plastic pollution.
7. **Notes (Optional):** Excess consumption of plastic combined with limited waste disposal systems has become a challenge and has choked the rivers and water systems. So every HEI should adopt this practice.