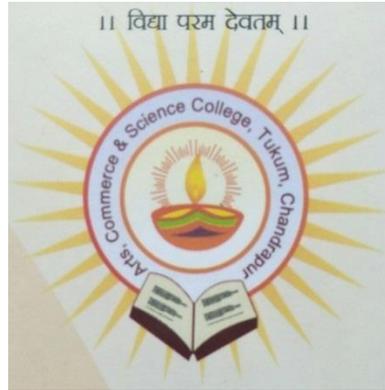


Dnyandeep Shikshan Prasarak Mandal, Chandrapur

ARTS, COMMERCE AND SCIENCE COLLEGE
TUKUM, CHANDRAPUR



BEST PRACTICES

ACADEMIC YEAR

2019-2020

Co-ordinator

Dr. M.G. Thakare

Principal

Dr. S.B. Mohitkar

PREFACE

Best practices added values to human life and support main goal of an institution. It can change the life of whole institution as well as individual stakeholders. These practices are able to instill the scientific approach to issues or problems of the society. The quality becomes an imperative in best practice; it should impart quality in its outcome and must be beneficial for stakeholders. The college has adopted environment friendly policies on plantation and waste management.

Nature provides free services to all. In recent years, environmental problems have increased by human activities and development of science and technology and planet earth is facing tremendous pressure from increases in population. Humans have contributed global warming which has led to catastrophic climate change in many parts of the world. People have to work for benefit of the planet and reduce emission in appropriate way. Colleges have a responsibility to install green lifestyle among the young and high profile students by undertaking green moves which can help to lower the global temperature.

In the present write up “best practices” report, outline existing scenario of campus. A brief content of this report would help everyone to think about preserving resources, show willingness to learn their importance, adopt steps to minimize resource use and set an example for others to follow the path of best practices to achieve the goal of sustainable development.

We express our deep sense of gratitude to the Chairman of the of Dnyandeep Shikshan Prasarak Mandal, Dr. N. H. Khatri and management body of DSPM and Dr. S. B. Mohitkar, Principal of the college for their support in preparation of the report.

We would also like to acknowledge Dr. N.R. Dahegaonkar and Dr. P. M. Telkhade, NAAC coordinators for their encouragement in preparing the report. We are also thankful to Dr. Sushil B. Kappor, for his whole hearted support.

INTRODUCTION

Arts commerce and Science College Tukum, Chandrapur is established in the year 1991 under the able and dynamic leadership of Dr. N.H. Khatri, Chairman, Dnyandeep Shikshan Prasarak Mandal, Chandrapur with an objective of providing quality education in the respective field. In addition to conventional teaching students are encouraged to participate in research activities, sports, cultural, social, co-curricular and extracurricular activities to ensure that they are well groomed graduates with dynamic learning opportunities and equipping them with the skills.

Best practices are the practices which serves as holistic approach for well-being of the institution. It consist of variety of work done by teaching and non-teaching staff with active participation of students. Our college is committed for overall development and empowerment of the students by various practices. The college is actively performing the practices like tree plantation, water management, waste management and E-waste management.

Best practice -1 Waste management

1. E-waste disposal and management

The use of electronic equipments is growing faster due to advancement in technology. The quantity of E-waste generation is increasing as people buy advance electronic equipments while dumping old one. E-waste carries health risks as it contains toxic materials such as cadmium, chromium, PCBs. E-waste generation is minimum in college campus. The E-waste collected is stored in storage rooms and disposed every year accordingly.

Usable CPUs are repaired and reused. Outdated computers, empty toners, cartridges and electronic items are simply handed over as scrap to ensure their safe recycling to scrap collector as proper e-waste collection facility is not available in the city.

2. Solid waste management

Solid waste is heterogeneous material and hence need to be disposed off systematically with due care of the environment. Solid waste generated in college comes from administrative office and the campus. Solid waste generated in college is segregated and put into collection bins marked as green and blue. Chandrapur Municipal Corporation has made arrangement to collect solid waste frequently. Litter from plants are collected for decomposing in a pit (5x3.5x1.75) made for this purpose. Ventilation arrangement of laboratories is effective to reduce gaseous waste.

To reduce waste at institute, students and staff are educated on proper waste management practices through counseling, lectures and notice boards, displaying slogan boards in the campus.

Waste is collected on daily basis from various sources and is separated as dry and wet waste and handed over to municipal corporation collection vehicles. Color coded dustbins are used for different types of waste i.e., green dustbin for wet waste and blue for dry solid waste.

Waste materials like plastic papers etc. are collected and handed over to scrap vendor from time to time. A pit is used to compost manure from the plant litter and waste from other sources and efficiently run by Swacch Shala Samitee of the college and students of the department of Geography and Environmental Science.

3. Liquid Waste management

The chemical waste from the laboratory diluted before discharge in the waste channel.

4. Bio-waste

Microbiology lab waste is segregated from other types of waste before its disposal. Solid waste is stored safely in boxes, decontaminated before discharge in the sewage system. Microbiology laboratory liquid waste is collected in glass containers, decontaminated prior to discharge into the sewage channel.

Best Practice -2 Green practices

1. Transportation

College advocates using public transports instead of private vehicles to commute to and from it. For this purpose, the college issues bonafide certificates to students to facilitate transport passes of MSRTC buses.

Walking, Cycling are the healthy exercises for the students to keep them healthy. The college has pedestrian friendly roads for students.

2. Curriculum

College teaches the subjects like Environmental Science and Geography which helps the students to understand and work in the field of environmental conservation. Natural resources conservation and environmental issues taught can empower students to innovate and implement eco-friendly strategies.

The Knowledge about sustainability and climate change in the curriculum is one of the green initiatives adopted by the college.

3. Electrical power consumption

Electrical power consumption is related with the standard of living of the people, the growth of cities, industries and transport sectors. Use of electricity is essential to carry out routine work. The college is committed to reduce consumption of electricity by replacing old fluorescent lamps with LED bulbs and tube lights.

Students and staff are aware to minimize electric consumption by switching off electrical appliances when not in use.

4. Water management

Water quality of working place is paramount as it is related to human health and livelihoods of people. Supplying clean and reliable water supplies is a prime necessity. The source of drinking water supply is majorly ground water and privately owned R.O. (reverse osmosis) supplier. The ground water is treated by R. O. unit on the ground floor and first floor prior being used by students and staff. Water after use is directed towards the area which goes to the plantation, so water is utilized.

5. Tree plantation

Heterogeneous tree plantation in college campus serves to curb the impact of atmospheric pollutants. The fully grown trees provide adequate green cover and reduce greenhouse gases. A well designed row of plant species *Ceiba pentandra* draw attention as a green army in campus.

6. Water bottles refilling station

One of the most important and best green initiatives for the college campus is the installation of a water bottle refilling station. Plastic water bottles are one of the most hazardous items in the environment.

Students carry steel water bottles, which they can fill from time to time from the refilling station. This would drastically reduce the use of disposable or single-use plastic bottles. This habit of carrying water in reusable bottles will lower the number of plastic bottles being used on campus and off the campus.