Dnyandeep Shikshan Prasarak Mandal, Chandrapur

Dr. Khatri Mahavidyalaya Tukum, Chandrapur

BEST PRACTICES

ACADEMIC YEAR

2023-2024

Co-ordinator

Dr. M.G. Thakre

Principal

Dr. J.M. Kakde

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. J.M. Kakde, Principal of the college for their support in preparation of the report.

It is our pleasure to acknowledge Dr. N.R. Dahegaonkar, IQAC coordinator for his support and encouragement during the preparation of report. We are grateful to Dr. Sushil B. Kapoor sir, for his unwavering support.

Dnyandeep Shikshan Prasarak mandals

Dr. Khatri Mahavidyalaya, Tukum, Chandrapur

Late. Maladevi Nandkishor Khatri Library

Innovative Ideas in Library

Title of the Practice: Innovative Ideas in Library

1) Objectives of the Practice: The objective is to promote reading, knowledge, and education through book donations, which can help communities, instructors, and students alike.

2) Context

Book donations are crucial to the development of knowledge-based communities. Books are vital to all educational, informational, creative, and developmental processes. In addition, they are a vital instrument for fostering social and interculturaldiscussion as well as democracy. Books offer knowledge on a variety of topics, including industry, sports, education, economics, politics, and important local, national, and worldwide studies. The joy of reading, which fascinates millions of people of all ages every day, can only be found in books.

3) The Practice

On the occasion of the birthday, it was decided unanimously to donate the books to the library under the chairmanship of the honorable principal of the college. The choice of books to donate to the library is entirely voluntary for staff members, and anyone celebrating a birthday is welcome to do so. Books on competitive examination, science,technology, history, economics, and general topics are donated by teachers and supporting staff. This exercise helps students because it provides them with a variety of books for reading and preparation. This activity is distinct from the regular purchaseof books for the library. Students are informed about books beyond their curriculum. They read books regularly and understand the essence of reading. The teacher always guides them in their selection of books.

4) Evidence of Success

Student feedback as an effective tool for achieving success in this activity

Session: 2021-2022

Sr. No.	No. of the Staff	No. of Books Donated	Price
01	33	98	22487

Session: 2022-2023

Sr. No.	No. of the Staff	No. of Books Donated	Price
01	33	128	38458

Session: 2023-2024

Sr. No.	No. of the Staff	No. of Books Donated	Price
01	40	158	35288

Photo Gallery


Arts, Commerce and Science College, Tukum, Chandra
Late Maiadevi Nandkishor Khatri
Department of Library
Subject wise Books
List of Journal and Periodicals


Chandrapur
Governing Body

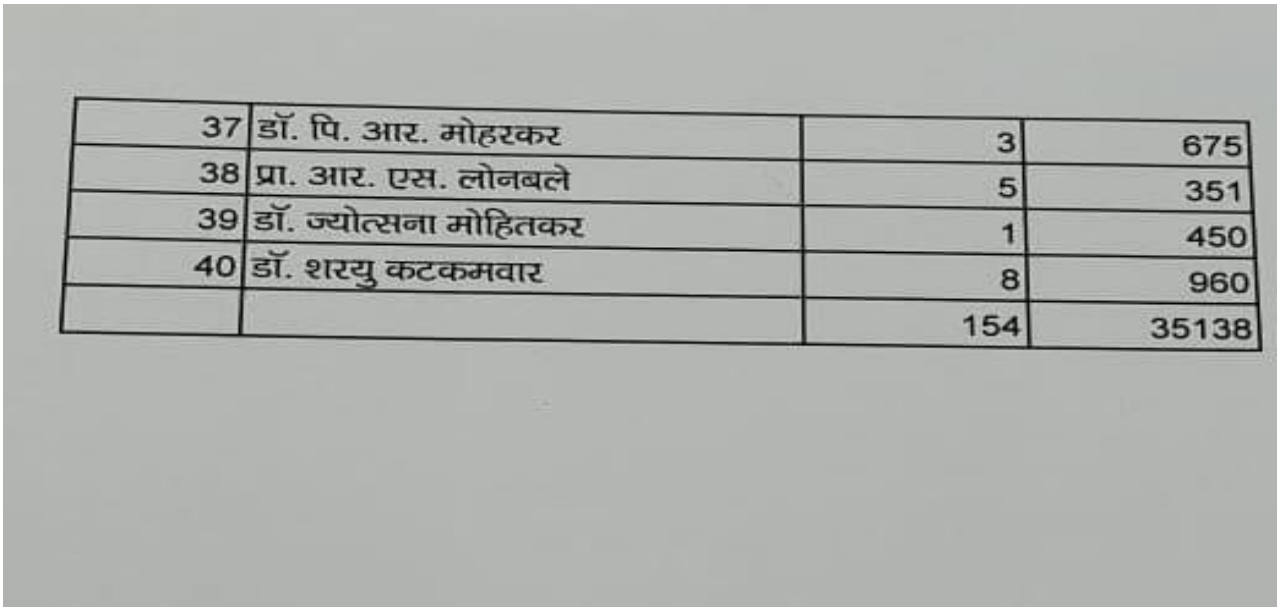

HAPPY BIRTH DAY

डॉ.खत्री महाविद्यालय तूकुम चंद्रपूर

शिक्षक व शिक्षकेत्तर कर्मचारी यांनी जन्मदिनानिमित्त ग्रंथालयाला दिलेली संप्रेम भेट पुस्तके

सत्र 2023-2024

अ.कं.	भेट देणाराचे नाव	पुस्तकांची संख्या	एकूण किंमत
1	प्रा. उषा चांभारे	3	575
2	डॉ. रविंद्र पाटिल	2	325
3	श्री. प्रमोद राउत	3	699
4	डॉ. जि. आर. सपाट	3	385
5	प्रां संतोष कावरे	1	390
6	वर्षा पारवे मॅडम	1	295
7	श्री. जिवनदास पिंपळकर	2	275
8	प्राचार्य जें एम. काकडे	1	750
9	डॉ. जिभकाटे	2	1220
10	प्रा. गायकवाड	2	250
11	डॉ. एस.बि. कपुर	5	2250
12	डॉ. टी.एम. शेख	4	1064
13	प्रा. एस. पी. पांडव	2	535
14	प्रा. वैजयंती तडफदार	8	1496
15	प्रा. सुप्रिया सादलवार	8	854
16	डॉ. रवि वाळके	2	990
17	डॉ. एन. आर. दहेगावकर	10	930
18	प्रा.कु. रोहिणी रोहणकर	5	995
19	प्रा. डोंगरवार	5	740
20	डॉ. एस.के. गुडधे	2	1325
21	डॉ. आर.यु. मूरमाडे	8	1330
22	प्रा. एम. टी. गुरनूले	8	615
23	प्रा. प्रणोती धोटे	6	980
24	श्री. हर्ष खोब्रागडे	1	175
25	डॉ. अशोक माथनकर	3	425
26	प्रा. मनोज निरंजने	1	150
27	प्रा.ए.ए. नागपुरे	2	900
28	प्रा. डॉ. पाल मॅडम	8	1111
29	डॉ. टि.की. कोसे	1	2400
30	प्रा. आर.के. राजुरकर	3	594
31	श्री. दिपक आकुलवार	3	516
32	प्रा. संजय लेनगुरे	9	2019
33	प्रा. करुना खोब्रागडे	6	1620
34	डॉ.पि.एम. तेलखडे	2	1115
35	डॉ. एम. जी. ठाकरे	2	1000
36	प्रा. दिलीप बावणे	3	1409



37	डॉ. पि. आर. मोहरकर	3	675
38	प्रा. आर. एस. लोनबले	5	351
39	डॉ. ज्योत्सना मोहितकर	1	450
40	डॉ. शरयु कटकमवार	8	960
		154	35138

Best Practice1

1. Title of the Practice
Estimation of biomass of trees

The most often produced greenhouse gas is carbon dioxide. The technique of removing and storing carbon dioxide from the atmosphere is known as carbon sequestration. It is one way to lessen atmospheric carbon dioxide to slow down the rate of climate change.

2. Objectives of the Practice:

Estimation of the biomass of trees is a tool for getting information of growth contained within a single tree, a species, or a population. Based on the weight of the trees, the potential of trees to capture carbon dioxide can be assessed effectively. Estimation of the biomass of trees is a routine practice of the college.

3. Context:

Planting trees is important because it cleans the air we breathe. Trees add beauty to their surroundings by greening and cooling the campus area. Measurement of the tree trunk is the best practice to calculate weight, which further can be useful to calculate the carbon dioxide capturing capacity of the tree.

4. The practice:

In the college grounds, Mr. Yuwraj Badwalof M.Sc. Semester II conducted the activity of measuring tree basal area. The amount is then translated to tonnes of tree biomass. Later, the trees' overall capacity to store carbon was determined. This endeavour is a significant step towards the campus's green audit

Estimation of biomass of trees is a unique practice for carbon sequestration

a) A meeting of staff is the first step to taking stock of trees on the campus

b) Identification of trees with a girth of more than 30 cm

c) Counting all the trees at breast height

d) Summarising all the data for conclusion

5. Evidence of Success:

Such practice is significant for research in forestry for staff and students. People outside the campus can also benefit from the aesthetics of the campus and fresh surroundings

6. Problem encountered:

The unevenness of the tree trunk creates problems during the measurement

7. Resources required:

Basic accessories such as measuring tape and calculators are required for the analysis of the data.

Best Practice 2

1. Title of the Practice:

Utilization of AC condensed water in a laboratory

2. Objectives of the Practice:

Energy conservation is important for reducing dependence on conventional energy resources, it also helps save energy costs and energy bills. Overuse of water leads to scarcity of water and lowers the ground water table. AC condensed water if properly collected can be utilized for many purposes. Our college has taken initiatives for its use in the laboratory for practical purposes.

3. Context:

The distilled water generation in the laboratory as well as procured from the market yields a high cost. The energy required to heat the water to boil in the water distillation process is expensive, in this context, the utilization of AC condensed water is effective to best use in the laboratory for general practices and washing laboratory glassware.

4. The practice:

Collection of AC condensed water with the involvement of students is beneficial because

a) The additional cost of distilled water generation in the laboratory is reduced to its maximum

b) Cost of energy is reduced

c) The time required to generate water is also reduced

d) Raw Water required to produce distilled water is also reduced

e) Students could learn the importance of water and energy conservation

f) The distilled water demand of the laboratory is fulfilled

The collection and utilization of AC condensed water involve the following activities.

a) The Meeting is organized at the start of the session

All the formalities like the use of fresh PVC containers for a collection of ACcondensed water is completed

b) AC condensed water from the offices is routinely collected

c) Water quality parameters are checked before use for laboratory practices

d) The routine laboratory practices are performed using AC-condensed water

e) Surplus water is also used for washing glassware

f) The quantity of condensed water obtained from the AC is adequate to fulfill the

demand

g) The cost of purchasing distilled water from the market is almost negligible

5. Evidence of Success:

This approach is attracting the attention of the students. Before being used in the laboratory, they routinely gather and test the water to determine its purity.

6. Problem encountered:

When the air conditioner is not in use, the collecting efficiency of condensed water from the air conditioner is decreased.

7. Resources required:

There are no more resources needed.