

7.2.1 Two Institutional Best Practices for AQAR 2019-2020

Best Practice I

Title of the Practice: "*Bio Enzymes: Our Waste Our Management*"

Objective:

The college aim is to have a Goal of producing and making of Bio Enzymes popular in nearby area. Practice adopted of promoting the use of bio enzymes for Environment Sustainability and Academics as Bio enzymes are part of syllabus in science faculty. We want to promote its use amongst its stakeholder as well as in the nearby vicinity. This project started from July 2019 but envisage to make it popular in a long term basis as any new product takes time to be adopted by the individuals. The targets include motivating the small entrepreneurs and starts ups to come up with the state of art production of this product as well. This will give the customers the choice to go for eco sustainable alternative.

Context:

The challenging issue was at the initiation phase of involving students and staff. The designing and implementing of the practice required extra effort. The students and staff were constantly motivated by the Principal. It continuously required monitoring from the designing stage. To foster the smooth transition from designing to implementation, a team was made to monitor the activities and to help prepare some bottles of Bio Enzymes in the home and bring in college for distributing it to interested individual and keeping all the records of activities and coordinating with the NSS and other NGOs. This brought some good results but we still feel that it is a long way to go as we have to keep this task of making aware the stakeholders and convince them that this practice of producing and using requires patience as the Bio Enzymes takes 3 months to become final product. We have successfully involved various staff to use it and some have started producing and using it consistently and some occasionally at home also.

Practice:

It was decided to promote the production and use of Bio Enzymes amongst the stakeholders and the public at large with the concept of "*Bio Enzymes: Our Waste Our Management*" as one of the best practices during the session 2019-2020. Bio Enzymes is a multi-purpose, natural cleaner produced from vegetable/fruit peels or waste. It is an effective alternative to harsh chemicals such as bleach, phenyl, and other chemical solutions, used in households and other establishments to wash bathrooms, clean toilets, wipe floors, tiles and other surfaces. Chemically, the Bio Enzymes is a mixture of complex organic substances such as proteins, salts and other materials that are by-products of the bacteria/yeast that we will use to make the Bio Enzyme. These organic substances are capable of breaking down chemical and other organic waste resulting in removing stains, odour, getting rid of other harmful microbes, etc. They also greatly neutralize toxins and pollutants.

Evidence of Success: The Bhilai Municipal Corporation authorities have contacted us to provide the training to self-help groups for Bio Enzymes.



After the use of Bio Enzymes in our garden it flourished here are the pictures of our garden.



Challenges:

The Following were the technical problems encountered: When we took small bottles for producing the bio enzymes the bottles cracked which made us understand that the bottle required for this process should be thick(PET bottles). We further understood that the bottles should have a broad opening. Every day the bottles have to be opened once otherwise the gas in it can throw the mixture out like when we open the bottle of aerated/cold drinks. Slowly we understood the shape and size of bottle to be used for producing Bio Enzymes and gradually we learned how to make it in every size, types of bottle/container.

We also learned in due course that if we churn and use the waste it becomes decomposed easily and early.

We also understood that the ideal proportion of mixture to be kept should be not more than half the bottle

We use to see the fungus formation in some bottles at the top, we referred the specialist and understood that it was the lacuna of composition at our end then we started to measure the proportions of jaggery, waste and water and then understood that the ideal proportion is 1: 3:10 is ideal (i.e. if Jaggery is 10 gms then the proportion of waste of vegetable/ fruit peels be 30 gms and the water content be around 100 millilitres). After three months we have perfected the art of producing it in varied proportion and variety as well.

Best Practice II

SSMV VERSUS COVID-19

Objective:

To show vigilant participation against Covid-19 pandemic consequences among the students and society.

Context:

Shri Shankaracharya Mahavidyalaya organized a number of activities to show its potential to fight Covid-19 and pandemic arose after it. The institution proved its perseverance to overcome the battle against Covid-19 pandemic by a number of activities throughout & post pandemic period.

Practice:

Starting from the month of March, prior to the announcement of Janta Curfew and Lockdown 1.0, SSMV was vigilant enough about the upcoming pandemic scenario in its nearby locality. In this series, we organized a number of activities and programs in regular intervals. These activities include online quiz competitions, different competitions, guest lectures, mask distribution and mask making drives etc. SSMV uploaded more than 500 academic video lectures on its official YouTube channel “**SSMV Lectures**”, among which many are selected and uploaded on the portal of State Govt. namely “**cgschool.in**” as well as on the portal of our affiliating university **Hemchand Yadav University, Durg**. Furthermore, IQAC organized awareness program on Covid-19. Re-usable surgical masks were distributed among the college staff, by the Prerna Teachers’ Association. All the staff members took oath of spreading awareness during the examinations. Saurabh Tembhekar, student of Shri Shankaracharya Mahavidyalaya, served as a volunteer during lockdown, representing Bhilai Municipal Corporation. Being a volunteer, he served in various sectors at many times, including distribution of food packets, medicines and other essential items. We all have embraced social distancing, diligently washing hands every now and then. We have prepared hand-made reusable face mask with old cotton cloth. Use of homemade mask by SSMV students, Online Poem writing on COVID 19 and Online poster on COVID 19 have been organized. An online quiz competition was organized on the general knowledge of COVID19 virus. More than 750 people participated in the open online quiz. The aim of the competition was to check and update people regarding COVID19 and break the myths surrounding the main information. The quiz met its all desired aim and was widely received by people. SSMV management distributed homemade masks to all the employees, guards and grade-4 workers. The preventive measures were also been extended to them. Guidelines by the government were maintained with emphasis during the event. Kawarpal Singh Bhatia, student of Shri Shankaracharya Mahavidyalaya distributed lemonade around the Gurudwara premises in Nehru Nagar, Bhilai. The program was done with a motive to aware the youth to take their roles in society, especially against Covid-19.

Evidence of success: Activities performed during this Covid-19 pandemic are made available on different media. Links to some of them are as follows:

<https://www.facebook.com/100004090118833/videos/2053753891437595/>

https://youtu.be/2uY7g7_QQuI

<https://youtu.be/CJSvPtry6bw>

<https://youtu.be/l5c-XOVTmM>



Challenges: Most of the events encountered problems while connecting with the people. Since, most of the events were organized online; therefore long-time consequences appeared among the aspirants in form of problems related to vision, obesity, hypertension, migraine, spondylitis etc. Adding to this, constant network connectivity is a universal challenge. Furthermore, on emotional grounds, people somehow lost their touch with each-other. This resulted in many divorce cases, break-ups of commercial institutions and many remarkable dilutions.