



Est. 1967

Shri Balaji Sansthan, Deulgaon Raja's

SHRI VYANKATESH ARTS, COMMERCE & SCIENCE COLLEGE

DEULGAON RAJA, DIST. BULDANA (M.S.) - 443 204
(Affiliated to Sant Gadge Baba Amravati University, Amravati)



SELF STUDY REPORT

Criteria-VII

Institutional Values and Best Practices

7.2 Best Practices

7.2.1 Best practice successfully implemented by the institution as per NAAC format

Best Practice -I



Content

Best Practice -I

Sr. No.	Content	Page No.
1.	Self-Declaration	01
2.	Title of the Practice	02
3.	Objectives of the Practice	02
4.	The Context	02.-03
5	The Practice	03-04
6.	Evidence of Success	04-05
7.	Problems Encountered and Resources Required	05-06
8.	Report of Best Practice I	07-26





Shri Balaji Sansthan Deulgaon Raja's

SHRI VYANKATESH ARTS, COMMERCE & SCIENCE COLLEGE

Deulgaon Raja - 443 204, Dist. Buldana (M.S.)

NAAC RE-ACCREDITED AT 'B' LEVEL

▲ Affiliated to SGBAU, Amravati ▲ College Code No. 309 ▲ UGC Recog. U/S 2 (F) & 12 (B)

Outward No. SVC / IQAC / 2024

Date: 02 /05/2024

Declaration

This is to declare that the supporting documents provided in this file, including information, reports, numerical data, true copies, etc., have been verified by the Internal Quality Assurance Cell and the Head of the Institution. It is confirmed to be accurate and authentic.

Dr. E. B. Bhalerao

Coordinator, IQAC
Shri Vyankatesh Arts, Commerce &
Science College, Deulgaon Raja
Dist. Buldhana-443204 (MS)

Dr. D. V. Gore



PRINCIPAL
Shri Vyankatesh Arts, Comm. &
Science College, Deulgaon Raja
Dist. Buldana Pin - 443 204



01. Title of the Best Practice

Best Practice I: Value Education (Assessment period 2018-19 to 2022-23)

Knowledge of value always plays a crucial role in once life as it helps in molding, developing and shaping a person's personality and his future. It is the process by which people give moral value to each other. Value education is teaching and learning about the ideals that a society thinks is important. This practice is adopted by us not only as a part of education and it is not just restricted to its educational purpose only. The aim of this practice is that the students of our college should not only understand the values, but also reflect them in their attitudes and behavior. The goal is that students in future contribute to society through good citizenship and ethics. The similar things can be achieve by teaching philosophy, moral education, character education and such education should play an important role in making a student socially responsible, culturally rich, democratic and cohesive. Imbibing this value through education will stimulate a person's physical, mental, emotional well-being. This practice of value education will certainly help in the extreme development of a student's personality, attitudes, habit, growth, etc.

02. Objectives of the Practice

- To inculcate the qualities like sensitivity, punctuality, neatness, scientific attitude in the students.
- To let them know the dignity of labour, sportsmanship, equality, and brotherhood.
- To imbibe the qualities of patriotism, secularism, cooperation and tolerance in the personality of students.
- To teach the students respect for elder and ethics of non-violence, national integrity and universal brotherhood.
- To arouse love about the national leaders, and the people who sacrificed their lives for the sake of integrity of our nation.

03. The Context

We are living in a world of Paradox. On the one hand science and technology are advancing very fast, while on the other hand most societies are facing problems of alcohol, drug abuse, mental illness and stress crime etc. Therefore, value education should be introduced at early stage and mould them. Our Constitution of India in its preamble has solemnly resolved to constitute India into a Sovereign Socialist Secular Democratic Republic and secure to all its citizens – Justice, Liberty, Equality and Fraternity.



We have decided that the value education should conform to the truth. All values are dominated by the individual first and then by the society. Values are determinants of human behavior. They play a vital role in the lives of every individual. They are enduring and facilitate standards that guide human beings. Vallabhbhai Patel, the great architect of modern India, once observed “education without values is of no use”. A student from his school to higher education finds many illegal things around him. So at this juncture the education plays a very vital role in shaping the character of students morally strong. According to Gandhiji, real education did not consist in packing the brain with information, facts and figures or in passing examinations by reading the prescribed number of books, but by developing the right character. Taking into consideration the need of value education we have deliberately given a specific time for value education in our programme calendar. This is not given separately to the students, but the programmes related with the value education are very frequently organized in the college to let them understand the importance of values in life. They are deliberately intimated the factors associated with the value education.

04. The Best Practice

Since education is a powerful instrument of social change and human progress, it is also a powerful tool to cultivate values in an individual. Therefore, the colleges have greater responsibility to impart learning and cultivation of values through education.

For inculcating values we have the following strategy to be adopted throughout the year.

- We design a special orientation program for teachers and students in the beginning of the year.
- We prefer to publish literature based on values either in wall magazine.
- We have developed a code of conduct for teachers, nonteaching staff and students.
- Inculcation of philosophical, scientific, and social views towards life among students by organizing various programmes in the college.
- Our teachers pass values to the students both consciously and unconsciously through their conduct in and out of class rooms.
- We give practice to the students for making decisions in complicated situations about issues involving values.
- We arrange guest lectures of eminent persons on various thoughts of national leaders to inculcate value education in the personality of students



- Celebration of birth and death anniversaries of national legendary figures.

They are helped in developing the ability to make proper choices in such situations through value education. Therefore, we consciously plan value education program to establish a formal learning.

Our teachers serve as a role model to students in our college by their own behaviour because they play a major role in inculcating their ethical behavior.

- At the same time, the teacher mentors warn the students against cheating, lying, stealing, and ill consideration for others etc while talking with the students.

We try to inculcate the values in the students both the formal and informal ways because we think that they play a major role in developing pro-social behaviour in children. We try to teach them accountability through allotting them various important roles in various college activities. They are encouraged to be accountable for their own actions and they are taught to respect and treat others kindly. The students are taught basic morals and values in colleges informally in and outside the classrooms. They are taught these values by emphasizing the idea through many activities, like competitions on storytelling, poetry reading and one act play, etc. which encourage them to engage in more helping behaviors.

The teachers appreciate the students for developing pro-social behavior, especially for any specific action they have done to help others.

05. Evidence of Success

This practice has helped a lot to us in keeping the college atmosphere conducive and amicable. The teachers-students relations are quite healthy and holistic. Students are found having the sense of gratitude and obedience. There is not a single incident of either eve teasing or anti-ragging in our campus. Students participate in every activity whether social or academic irrespective of their caste and creed. We never have the incidents of conflicts at higher level in our campus. No case is yet registered to ICC regarding the sexual harassment. Students have become experts in event managements. They are found becoming good orators especially on the occasions of elocution competitions organized on the occasion of birth and death anniversary of the great leaders in India. We feel proud to state that students pay full respect to the teachers and have never insulted the teachers or the nonteaching staff in the campus. Their behaviour with the supporting staff in the college is praiseworthy. No communal comments or debates are found among the students. On the contrary we have many religious festivals in our town where we provide our students as volunteers to control



the pilgrims. In these volunteers there are the students of all communities. We can rightly say that we have been playing an important role in developing the personality of the students.

06. Problems Encountered and Resources Required

Problems Encountered

Value education faces several challenges, ranging from curriculum design to implementation in diverse cultural contexts. Here are some common problems encountered and resources required:

- 1. Curriculum Development Challenges:** Designing a comprehensive value education curriculum that encompasses a wide range of values, such as empathy, integrity, responsibility, and tolerance, can be challenging. It requires expertise in both educational theory and moral philosophy.
- 2. Cultural Sensitivity and Diversity:** Values can vary significantly across cultures and communities. Addressing this diversity while promoting universal values requires careful consideration and resources for culturally relevant materials and approaches.
- 3. Teacher Training and Support:** Teachers need adequate training and ongoing support to effectively deliver value education in the classroom. This includes workshops, professional development programs, and access to resources such as lesson plans and teaching materials.
- 4. Parental and Community Involvement:** Engaging parents and the broader community in value education initiatives is crucial for their success. Resources are needed to facilitate communication, collaboration, and involvement of parents and community members in supporting the values taught in the college. .
- 5. Assessment and Evaluation:** Assessing students' understanding and application of values poses challenges due to the subjective nature of values and the difficulty of measuring them. Resources are required for developing appropriate assessment tools and methods that go beyond traditional academic metrics.
- 6. Integration with Existing Curriculum:** Integrating value education seamlessly into the existing curriculum can be challenging, especially considering time constraints and competing priorities. Resources are needed to develop interdisciplinary approaches and identify opportunities for embedding values into various subjects.
- 7. Addressing Contemporary Issues:** Value education needs to address contemporary societal issues such as social justice, environmental sustainability, females feticide and farmers suicide digital ethics. Resources are required to develop up-to-date content and teaching materials that address these issues in a meaningful and age-appropriate manner.



8. **Access and Equity:** Ensuring equitable access to value education for all students, regardless of their socio-economic background or geographic location, requires resources for program implementation, teacher training, and access to technology as well as learning materials.

To address these challenges, various resources are required, including:

- 1) Funding for curriculum development, teacher training programs, and the production of teaching materials.
- 2) Collaboration with experts in education, psychology, sociology, and ethics to inform curriculum design and implementation strategies.
- 3) Partnerships with universities, non-profit organizations, and government agencies to leverage resources and expertise.
- 4) Access to research and evidence-based practices in value education to inform program design and evaluation.
- 5) Technology tools and platforms for delivering value education content, facilitating collaboration among stakeholders, and assessing student learning.

By addressing these challenges and leveraging appropriate resources, value education programs can effectively promote the development of ethical, responsible, and compassionate individuals capable of contributing positively to society.



Report of Best Practice I 2022-23

01. Death anniversary of Rajarshi Shahu Maharaj (06th May, 2023)

On 06th May, 2023, a guest lecture was organized of Dr. Eknath Bhalerao (Dept. of English) on the occasion of the death anniversary of Rajarshi Shahu Maharaj. Principal Dr. D.V. Gore also present as a chairperson of programme. All teachers worshipped the image. Member of Cultural Department Prof. Sopan Chavan expressing vote of thanks. Through this program equality value was inculcated.



02. Shivjayanti (19 February, 2023)

On 19th February, 2023 the image of Chhatrapati Shivaji Maharaj was adored by garlanding it. College President Hon Raje Vijaysinh Jadhao, all teachers and students greeted Chhatrapati Shivaji Maharaj on the occasion of Birth Anniversary. College students also participated in sarvajanik shivjayanti in Deulgaon Raja.



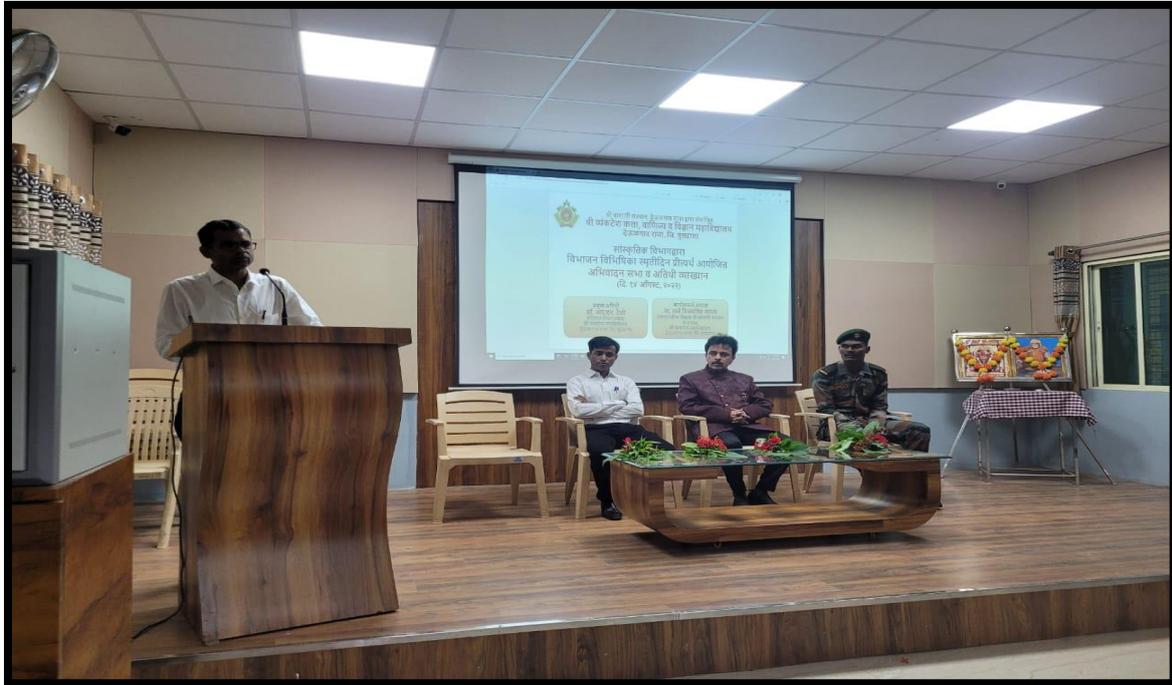
03. Republic Day (26/01/2023)

Hon. Chief guest Raje Viaysinha Jadhav (President, S.V. College, D.Raja), Ranisaheb Sau. Chhaya Raje Vijaysinha Jadhao & Prin. Dr. D.V. Gore on the occasion of Republic Day. They observed NCC parade on this occasion. Through this program Constitution value was inculcated.



04. 'VibhajanVibhishikaSmritidin' (14 August 2022)

On 14th August 2022, 'VibhajanVibhishika Smritidin' was organized by dept. of Cultural activities. Chief guest Dr. R.H. Devare (Head, Dept. of History) guided students on this occasion. College president Hon. Raje Vijaysinh Jadhav was present. Prin. Dr. D.V. Gore gave presidential speech. Head of Cultural Department Prof. Madhukar Jadhao anchored the program. Through this program National Integrity value was inculcated.



2021-22

05. Birth anniversary of Rajmata Jijau and Swami Vivekananda (12 January, 2022)

On 12th January, 2022, on the occasion of the birth anniversary of Rajmata Jijau Masaheb and Swami Vivekananda, image worship and the online guest lecture were organized. College president Hon. Raje Vijaysinh Jadhav worshipped the image. The lecture of the well-known Shiv Vyakhyate Gyandev Kashid was concluded. Prof. Sopan Chavan was the anchor of the program. Prof. Madhukar Jadhao, Head of the Cultural Department introduced the Guest. Presidential Remark was expressed by Principal Dr. Dnyaneshwar Gore. Dr. Jyoti Dhokale expressed a vote of thanks. Through this program Women Empowerment value was inculcated.

ProgramLink <https://www.youtube.com/live/Q1xbckAnL0g?si=grPL6x186cL7GZ4c>



06. Birth anniversary of Savitribai Phule (03 January, 2022)

On 03rd January, 2022, on the occasion of the birth anniversary of Savitribai Phule, image worship and the guest lecture were organized. Chief guests worshipped the image. The lecture of the well-known poet Dr. Sunil Pawar was concluded. Student Shagufta Kachchhi was the anchor of the program. Presidential Remark was expressed by Prof. Madhukar Jadhao, Head of the Cultural Department. Dr Jyoti Dhokale expressed a vote of thanks. Through this program Women Empowerment value was inculcated.



सावित्रीबाई फुलेंच्या विचारांची ज्ञानज्योत तेवत ठेवा – डॉ. सुनील पवार श्री व्यंकटेश महाविद्यालयात सावित्रीबाई फुले जयंतीनिमित्त अभिवादनपर व्याख्यान संपन्न

दिव्य मातृछाया
विजय जाधव

देऊळगाव राजा सावित्रीबाई फुले आणि महात्मा फुले यांनी स्त्री शिक्षणाची मुहूर्तमेढ रोवली, मुर्लीना शिक्षणाची संघी उपलब्ध करून दिली. आद्यशिक्षिका असलेल्या धोर सावित्रीबाईंच्या विचारांची ज्योत सातत्याने तेवत ठेवणे आपले कर्तव्य आहे, असे प्रतिपादन सुप्रसिद्ध साहित्यिक व व्याख्याते डॉ. सुनील पवार यांनी केले. स्थानिक श्री व्यंकटेश कला, वाणिज्य विज्ञान महाविद्यालयात आयोजित कार्यक्रमात प्रमुख अतिथी म्हणून ते बोलत होते. या कार्यक्रमासाठी अध्यक्ष म्हणून महाविद्यालयातील ग्रंथपाल डॉ. उमेश देशमुख उपस्थित होते.

महाविद्यालयातील सांस्कृतिक कार्यक्रम विभाग व अंतर्गत तक्रार निवारण समिती यांच्या संयुक्त विद्यमाने क्रांतीज्योती सावित्रीबाई फुले यांच्या जयंती निमित्त अभिवादनपर अतिथी व्याख्यान आयोजित करण्यात आले. सावित्रीबाईंच्या प्रतिमेचे पूजन करून कार्यक्रमास सुरुवात झाली. अतिथी डॉ. सुनील पवार यांनी सद्यस्थितीमध्ये सावित्रीबाई फुले यांच्या विचारांची आवश्यकता विविध उदाहरणांच्या माध्यमातून पटवून दिली. सावित्रीबाई ह्या



युगप्रवर्तक व्यक्तिमत्व होत्या, ज्ञानाची घगघगती मशाल होत्या. महात्मा फुलेंच्या मदतीने त्यांनी समाजसुधारणेसाठी स्वतःचे आयुष्य खर्ची घातले आणि इतरांसाठी जगण्याचा आदर्श निर्माण केला, अशी माहिती डॉ. पवार यांनी दिली.

कार्यक्रमाचे अध्यक्ष डॉ. उमेश देशमुख यांनी मनोगत व्यक्त करताना माता भगिनींनी केवळ हळदी-कुंकवाच्या कार्यक्रमापुरते स्वतःला मर्यादित ठेवू नये तर सावित्रीबाई फुलेंच्या विचारांचे पाईक व्हावे, असे आवाहन केले. वर्तमानकाळात स्त्रिया स्वावलंबी होण्यासाठी जो

पुढाकार घेत आहेत त्यामुळे केवळ त्यांचाच नव्हे तर देशाचाही विकास होत आहे, असे प्रतिपादन डॉ. देशमुख यांनी केले.

कार्यक्रमाचे प्रास्ताविक अंतर्गत तक्रार निवारण समिती अध्यक्ष डॉ. ज्योती ढोकले यांनी केले, अतिथींचा परिचय सांस्कृतिक कार्यक्रम विभागप्रमुख प्रा. मधुकर जाधव यांनी करून दिला. सूत्रसंचालन कु. शगुप्ता कच्छी या विद्यार्थिनीने केले. उपस्थितांचे आभार डॉ. रूपाली तेलगड यांनी मानले. कार्यक्रमासाठी प्राध्यापक, शिक्षकेतर कर्मचारी व विद्यार्थी-विद्यार्थिनी उपस्थित होते.



07. Maratha Public Relations Tour (04 July 2021)

On 04th July 2021, a Maratha Public Relations Tour was organized by MLA Chhatrapati Sambhaji Raje Bhosale. College president Hon. Raje Vijaysinh Jadhav was present as a president of program. Prof. Madhukar Jadhao anchored the program.



08. 'ShivSwaraj Day (06 June 2021)

To mark the coronation day of the great Maratha warrior king Chhatrapati Shivaji Maharaj 'Shiv Swaraj Day' was celebrated in the college on 06th June 2021. On this occasion, 'Swarajya Gudhi' was erected by the president of the college, Hon. Raje Vijaysinh Jadhav. Faculty, non-teaching staff and students of the college were present for this program.



2020-21

09. Bharat Ratna Dr. Babasaheb Ambedkar's birth anniversary (14 April 2021)

On 14 April 2021, Bharat Ratna Dr. Babasaheb Ambedkar's birth anniversary was celebrated. All gathered to pay tribute to this great personality. On this occasion, Prof. Madhukar Jadhao gave a lecture. For this program Dr. Sudhir Chavan was present. Through this program Constitution value was inculcated.



10. Mahatma Jyotirao Phule's Memorial Day (28 November 2020)

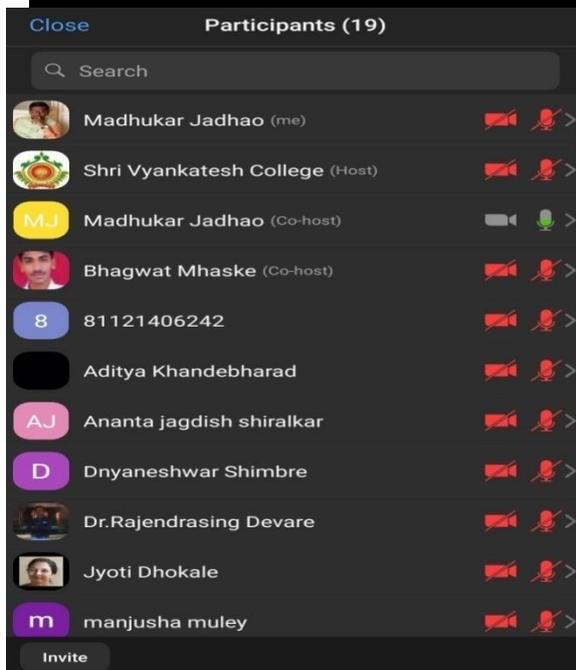
On 28 November 2020, an online quiz competition was organized for college students on the occasion of Mahatma Jyotirao Phule's Memorial Day. Through this program Social Reform value was inculcated.



11. National Education Day (11 November, 2020)

On 11 November, 2020, a felicitation program was organized on the occasion of Bharat Ratna Maulana Abul Kalam Azad's birth anniversary i.e., National Education Day. A guest lecture was organized on the topic 'National Education Policy and Education Methodology'. The employee of the Water Resources Department; Mr Bhagwat Maske was the guest. Prof. Nilesh Kakade (a member of the cultural department) was the anchor of this online program and the head of the English Department Dr. Sudhir Chavan was present as the President of the program. Through this program Educational value was inculcated.

<https://www.youtube.com/live/47dZk9re7bI?si=T29wfgc10qJMQ6HX>



12. An online guest lecture (01 August, 2020)

An online guest lecture was organized on 01 August, 2020 to observe the death anniversary of Lokmanya Tilak and the birth anniversary of democrat Anna Bhau Sathe. As a guide for this online program, Mr. Dharmaraj Karpe, researcher and famous lecturer from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad was present. An Anchor of this program was MadhukarJadhao. Through this program literary value was inculcated.

<https://www.youtube.com/live/WkR2aOkHP8Y?si=Hfs2YMI91zkCD4rz>



श्री बालाजी संस्थान, देऊळगाव राजा संचालित
श्री व्यंकटेश कला, वाणिज्य व विज्ञान महाविद्यालय
देऊळगाव राजा, जि. बुलडाणा - ४४३ २०४

सांस्कृतिक कार्यक्रम विभागद्वारा आयोजित
लोकमान्य बाळ गंगाधर टिळक पुण्यतिथी व
लोकशाहीर अण्णा भाऊ साठे जयंती (जन्मशताब्दी वर्ष) निमित्त
ऑनलाईन अतिथी व्याख्यान
शनिवार, दिनांक ०१ ऑगस्ट, २०२० वेळ : दुपारी ०१ ते ०२

प्रमुख व्याख्याते मा. धर्मराज करपे संशोधक, डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद	अध्यक्ष मा. डॉ. गजानन जाधव प्राचार्य, श्री व्यंकटेश महाविद्यालय, देऊळगाव राजा
--	---

| विनीत |
प्रा. मधुकर जाधव
सांस्कृतिक कार्यक्रम विभाग प्रमुख

टीप : सदर व्याख्यान हे झूम अॅप द्वारा प्रसारित होणार असून आय.डी., पासवर्ड/यु ट्युब लिंक कार्यक्रमाच्या अर्धा तास अगोदर उपलब्ध करून देण्यात येईल.

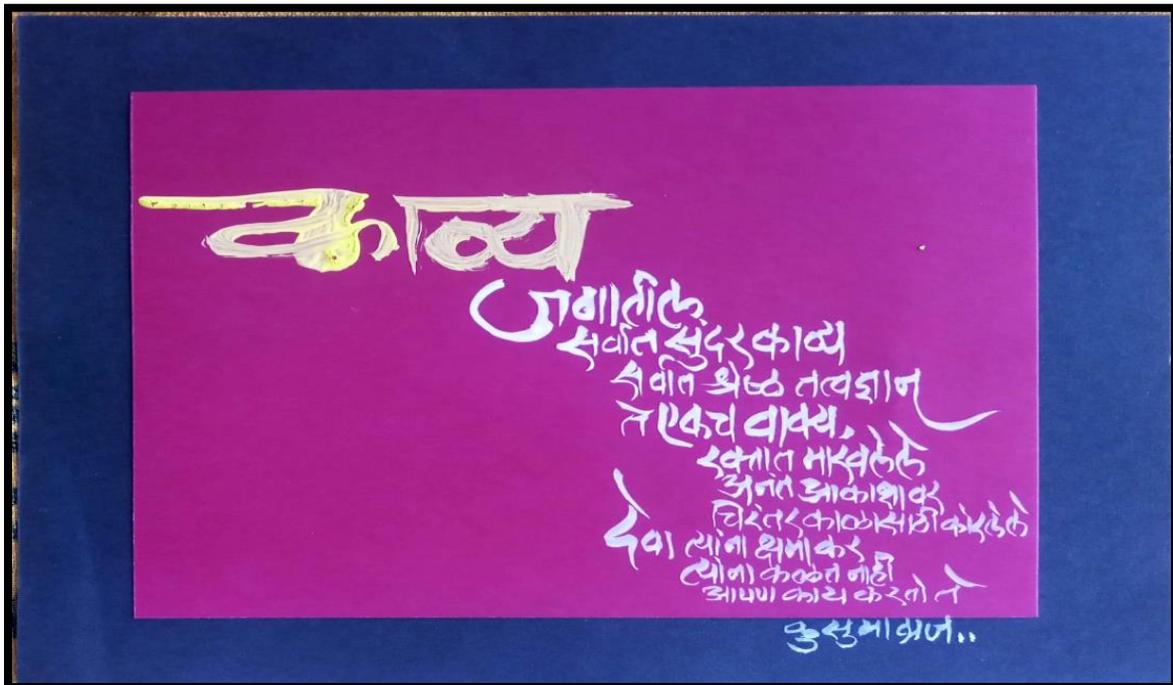
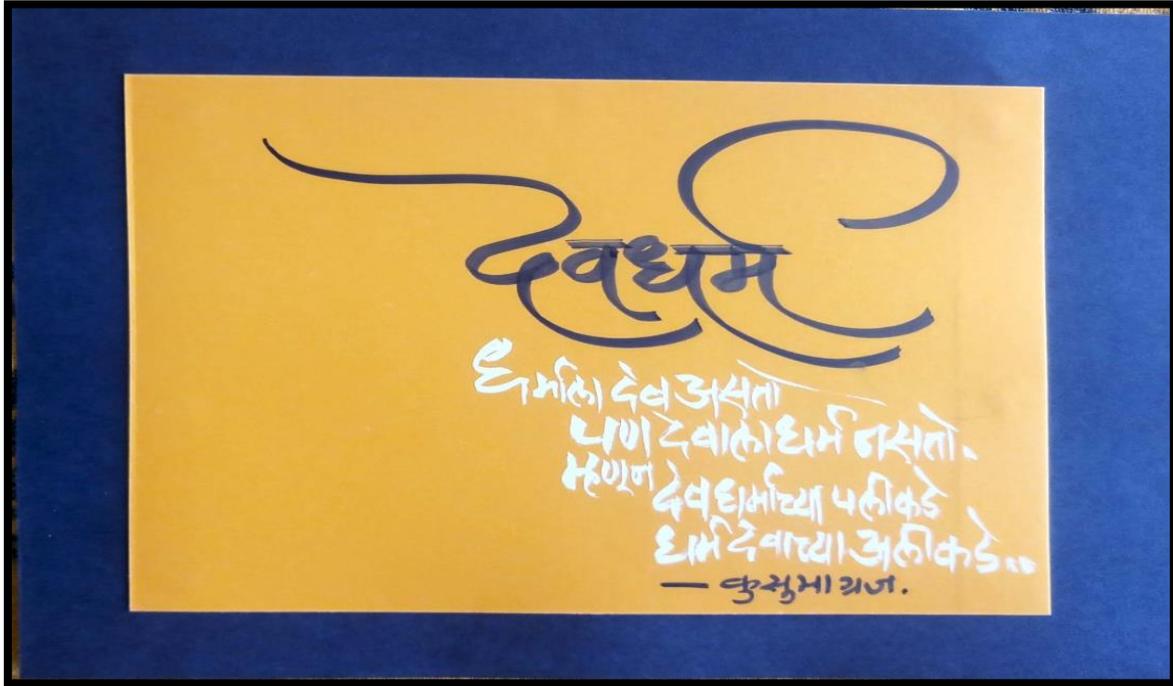


2019-20



13 Poetic Calligraphy to Spread Value of Secularism (Thursday, 27th February, 2020)

A poetry writing program was organized to introduce the principles of secularism among the students. In this program, GopalWakode, a well-known painter and calligrapher of Sultanpur, wrote many poems of Kusumagraj that is Vishnu VamanShirwadkar. He drawn the calligraphy of many religious poems, propagating the secularism by saying religion has God but God does not have religion. Through this program Pantheism value was inculcated.



14. Tribute to the Social Reformers (Friday, 06th December, 2019)

Many social reformers in the country have introduced different values to the society during their tenure. Mahatma Gandhi, who practiced the values of truth non-violence, and Bharat Ratna Dr. Babasaheb Ambedkar, who practiced the values of justice, equality, freedom and brotherhood, were tribute respectively. Through this program Non-Violence value was inculcated.



15. Lecture for National Integrity (Friday, 26th August, 2019)

Well known thinker from Maharashtra Dr. A. H. Salunkhe delivered a guest lecture on National Integrity. On this occasion, Dr. Salunkhe highlighted the importance of national integration for the students through various examples. Dr. Salunkhe appealed that we as citizens of this country should be aware of the responsibility and duty towards the nation. Former President of Satyashodhak Shikshak Sabha of Maharashtra Professor Shyam Mude guided the students. College Principal Dr. Gajanan Jadhav was present as the President for the program. Through this program National Integration value was inculcated.



16. Rajiv Gandhi's Birth Anniversary (Tuesday, 20th August, 2019)

Former Prime Minister of India Bharat Ratna late Rajiv Gandhi's birth anniversary is celebrated across the country as a day of goodwill. The rally was organized on behalf of the college to create social harmony on the occasion of the goodwill Day.

Volunteers of NSS & cadets of NCC were participated along with college students in the rally. NCC Officer Dr. Anant Awati guided the students and police personnel participated in the rally on behalf of police station. On the occasion of Goodwill Day Prof. Madhukar Jadhao administered the oath of national unity.

In the second session of the workshop Mr. D. J. Mahajan has explained the concept of cyber crime and ethical hacking. He also explained the important role of ethical hackers to avoid the cyber crime. Through this program Goodwill value was inculcated.



17. One Day Workshop on Students and Human Values (Friday, 01st March, 2019)

Hon. Prin. Dr. Anant Chaudhari Expressing his Views on the Occasion of One Day Workshop on Students and Human Values. Prin. Dr. G.B. Jadhao was present as a chairperson of programme. Through this program human value was inculcated.



18. Guest Lecture on Micro-Teaching (Friday, 18th January, 2019)

A guest lecture was held on the topic of micro teaching to enable the professors to innovate in their teaching, to do something different. Dr. Balaji Lahorkar, Principal of Shrimati Sindhutai Jadhav Arts and Sciences College Mehkar guided the faculty member of the college. I.Q A.C. Coordinator Dr. Sudhir Chavan stated the importance of the program. Through this program microteaching skill was developed.



19. Motivation to Faculty in the College (Saturday, 15th January, 2019)

Every professor of the college performs his duties honestly and in a systematic manner. The award is given by the college to the best staff to encourage them. College professors are honored by the college for their outstanding performance in research and other pursuits. The teachers who completed their Ph. D. project, hold seminars, conferences are honored on behalf of the college.



20. Cyclothon Tournament (Saturday, 21st September, 2018)

The college organized a cyclothon competition to promote the spirit of national unity with the students in the Deulgaon Raja. The competition was inaugurated by Sunita Shinde, the president of Deulgaon Raja Municipal Council. College Principal Dr. Gajanan Jadhav, along with various dignitaries from the city was present to encourage the contestants. Through this program spirit of national unity was inculcated.





Est. 1967

Shri Balaji Sansthan, Deulgaon Raja's

SHRI VYANKATESH ARTS, COMMERCE & SCIENCE COLLEGE

DEULGAON RAJA, DIST. BULDANA (M.S.) - 443 204
(Affiliated to Sant Gadge Baba Amravati University, Amravati)



SELF STUDY REPORT

Criteria-VII Institutional Values and Best Practices

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the institution as per NAAC format provided in the manual.

Index

Sr. No.	Year	Page No.
1	Self-Declaration	01
2	Title of the practice	02
3	Objective of the practice	02
4	The context	03
5	The practice	03
6	Evidence of success	04
7	Problems encountered and resources required	05
8	Report of best practice II	06



Shri Balaji Sansthan Deulgaon Raja's

SHRI VYANKATESH ARTS, COMMERCE & SCIENCE COLLEGE

Deulgaon Raja - 443 204, Dist. Buldana (M.S.)

NAAC RE-ACCREDITED AT 'B' LEVEL

▀ Affiliated to SGBAU, Amravati ▀ College Code No. 309 ▀ UGC Recog. U/S 2 (F) & 12 (B)

Outward No. SVC / IQAC / 2024

Date: 02 /05/2024

Declaration

This is to declare that the supporting documents provided in this file, including information, reports, numerical data, true copies, etc., have been verified by the Internal Quality Assurance Cell and the Head of the Institution. It is confirmed to be accurate and authentic.

Dr. E. B. Bhalerao

Coordinator, IQAC
Shri Vyankatesh Arts, Commerce &
Science College, Deulgaon Raja
Dist. Buldhana-443204 (MS)

Dr. D. V. Gore

PRINCIPAL
Shri Vyankatesh Arts, Comm. &
Science College, Deulgaon Raja
Dist. Buldana Pin - 443 204



01. TITLE OF THE PRACTICE**BEST PRACTICE II: WATER & WASTE MANAGEMENT (2018-19 TILL TODAY)**

Water is essential for all life and is important for health, spiritual needs, comfort, livelihood and the world's ecosystems. Climate change, population growth, intensified agricultural production and increased abstractions are some of the pressures acting on the availability of water on a changing planet. An integrated approach is therefore required in water management between different sectors to achieve future action on water and sustainable development. Water Management is important since it helps determine future Irrigation expectations. Water management is the management of water resources under set policies and regulations. Water, once an abundant natural resource, is becoming a more valuable commodity due to droughts and overuse. Water resource management is the activity of planning, developing, distributing and managing the optimum use of water resources.

Waste management is equally important preventing pollution and ecological degradation; securing ecologically sustainable development while promoting justifiable economic and social promoting and ensuring the effective delivery of waste services. It is important to protect health, well-being and the environment by providing reasonable measures for minimizing the consumption of natural resources, avoiding and minimizing the generation of waste, reducing, re-using, recycling and recovering waste; treating and safely disposing of waste as a last resort; preventing pollution and ecological degradation; securing ecologically sustainable development while promoting justifiable economic and social development, promoting and ensuring the effective delivery of waste services.

2) OBJECTIVE OF THE PRACTICE

- To meet current and future water demands during all hydrologic conditions.
- Meet water demands during emergency or catastrophic conditions.
- Increase use of recycled water.
- Promote sustainable water solutions.
- To make rainwater in the campus usable for viable purposes.
- To ensure the protection of the environment through effective waste management measures.
- To protect the health and wellbeing of people by providing an affordable waste collection service.
- Increase number of jobs within waste services, recycling and recovery sectors.



3) CONTEXT

The town Deulgaon Raja has been facing the problem of water since last many years due to the geographical differences. There is a low rainfall in this area since last many years. The people begin to feel the scarcity of water right from the month of January to July. The water level of this area has gone too deep. The people who tried to dig the bore wells have the very bitter experiences as they could not get water till four to five hundred feet. As a result the people are depending on the municipal council water supply. The college is situated on such rocky land where it is always found to save the trees and to find the resource of water. The college premises are full of trees. It would become quite difficult to save the trees after the month of January with the help of a well dug in the campus. The water from the well is used for all purposes. Taking into consideration the increasing need of water the college tried to dig bore wells at two or three places but in vain. The acute need of water made the college to undertake the project of water management before six years. As a result, presently the rainwater in the campus is completely collected at one place near the well in the campus which naturally has helped to increase the water level of the well.

4) THE PRACTICE :

WASTE MANAGEMENT:

1. To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisement on notice boards, displaying slogan boards in the campus.
2. Waste is collected on a daily basis from various sources and is separated as degradable and Non-degradable waste.
3. Color coded dustbins are used for different types of wastes. Green for degradable and red for Non-degradable solid waste.
4. The Non-degradable solid waste separated is then collected by municipal corporation vehicles for proper disposal.

SOURCE TYPE OF WASTE GENERATED

A) WASTE WATER SOURCES

- 1) Rain water
- 2) Laboratory waste
- 3) Toilet and urinal waste

B) SOLID WASTE SOURCES

1. Classrooms Paper, plastic, aluminum foil, pens, disposable cups, charts, Laboratories Paper, plastic, glass slides, cover slips, glass bottles, blotting papers, tissues, syringes.



2. Staffroom Paper and plastic.
3. Office Paper and plastic.
4. Library Paper and plastic.
5. Toilets Paper, plastic, and sanitary napkins.
6. E-Waste management Institute has: LAN system. WIFI facility. The campus has centralized facility to collect e-waste from institutes, housekeeping and disposal. E-wastes such as computers, laptops, scanner, printer etc

EVIDENCE OF SUCCESS:

A) RAIN WATER HARVESTING :

- It has increased the ground level of water in the college campus. As a result of which water level of Well and Bore well has increased. Harvested rainwater is stored and used during times of drought. Now college is not dependent on municipal water.
- Rainwater harvesting has improved plants and gardens. Using harvested water flush the salt buildup from plants and soil. Harvested rainwater is free from several types of pollutants and man-made contaminants. Rain is also free from chlorination. Using water that is this clean and healthy for plants and trees has saved money on overall property maintenance and landscaping needs.
- IT has cut down the water bills of the campus.

B) SOLID WASTE MANAGEMENT :

C) COMPOSTING :

- Composting has reduced greenhouse gases like carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O) emissions .
- Composting has improved the quality of our soil and reduces the need for chemical fertilizers and pesticides.
- Replenish our soils Reduce soil erosion.
- Prevent polluted storm water runoff from contaminating our wetlands, lakes, and streams Capture carbon dioxide for climate protection.

A) VERMICOMPOST

- The worm castings contain higher percentage of both macro and micronutrients than the garden compost. Apart from other nutrients, a fine worm cast is rich in NPK which are in readily available form and are released within a month of application.
- Vermicompost enhances plant growth, suppresses disease in plants, increases porosity and microbial activity in soil, and improves water retention and aeration.
- Vermicompost also benefits the environment by reducing the need for chemical fertilizers and decreasing the amount of waste going to landfills.



PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED PROBLEMS ENCOUNTERED

PROBLEMS ENCOUNTERED

Due to water harvesting of the rain water in the college, the water in the premises of the college is left in the college only as a result of this water level of the well and bore has been increase significantly.

The need of water is fulfilled even in summer and the expenses occurring on the tankers of water is reduced.

RESOURCES REQUIRED PROBLEMS ENCOUNTERED

RAIN WATER HARVESTING

- Making of pit,
- Bigger size sand,
- Large rounded stones
- Small pieces of bricks
- PVC Pipes

SOILD WASTE MANAGEMENT

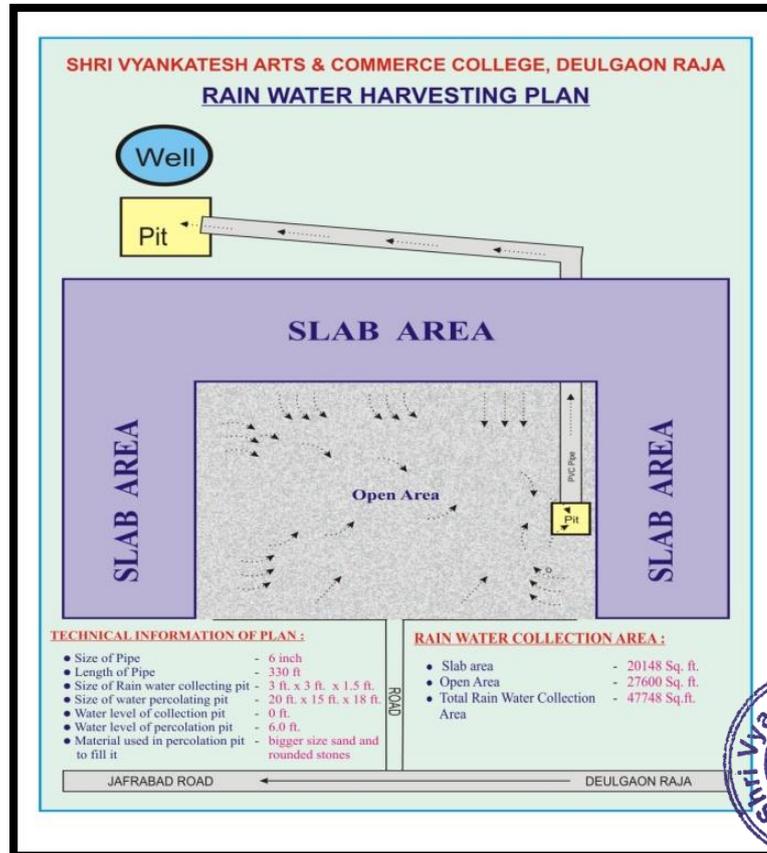
- Making of pit for Composting
- Vermicompost Project :
- material required for construction of tank i.e. Cement, Sand, Water etc.
- Dustbins for waste collection
- Red earthworm species *Eisenia foetida*



REPORT OF BEST PRACTICE II

1) RAIN WATER

RAIN WATER HARVESTING



PLAN MAP

RAIN WATER HARVESTING STRUCTURES AND UTILIZATION IN THE CAMPUS

Deulgaon Raja is situated in Vidarbha region of Maharashtra, where water scarcity is very common. Therefore, rooftop rain water harvesting system is installed for recharging ground water and meeting water requirements. College has three campuses viz Main campus, Science Building Campus and Sports ground. The college has planted several trees in the campus. It requires a large amount of water to survive them. By taking it into consideration the college undertook the rain water harvesting project to collect rain water. At main campus, we have set up rain water harvesting system.

The runoff from the terrace of the college building and campus 47748 Sq.ft. out of which 27600 Sq.ft. is from open area and 20148 Sq.ft. is from roof area is channelized into one pit. This project is executed under able guidance and planning of Hon. Principal Dr. G. B. Jadhav



scientifically consisting of a long pipe of size 6 inch and length 330 feet. A pit of 3x3x1.5 feet is made to collect the rain water from the campus at the corner of low lying area. A pit of 20x15x18 feet is made at the distance of 330 feet from a rain water collecting pit to percolate water into the well. This pit is filled with bigger size sand, large rounded stones and small pieces of bricks. With the help of 330 feet pipe line the collected rain water transports to percolation pit situated near the well due to which the water level of well is seen increased. All the campus water and rooftop rain water outlets discharge into storm water drains and then to the recharge pits to facilitate groundwater recharge.

The project was implemented in 2013. The cost of the entire rainwater harvesting system was Rs 1.5 lacs. The rain water is channelized towards well to raise the ground water level. Frugal use of water has ensured constant supply of water for the stakeholders in the college. This innovative activity of college proved that it is an important for all the people in the society to enrich the water level in our area. Now a days it is considered a great need to make a plan of water harvesting. We are facing the problem of scarcity of water, so to resolve this problem water harvesting is the important tool to maintain the groundwater level high. So, there is need to aware the people regarding the conservation of water or to make plan of water harvesting at their area. It reduces water bills, provide an alternative supply during water restrictions and help to maintain green and healthy garden. It reduces flooding and soil erosion. It also reduces the demand on groundwater. It helps in increasing the groundwater level of the area. So, It is an alternative water source to face future water crisis. This has helped to make the campus lush green and with healthy environment which benefits thousands of students and teachers in the campus. This activity has proved the social approach of the college towards the society.

2) LABORATORY WASTE

We have a liquid waste management tank near Chemistry laboratory. The hazardous waste of chemistry laboratory and usage like acids, different organic solvents, waste water, soluble impurities, are not disposed directly into the drainage. But they are collected in a large tank designed for equalization. By means of agitator, it is homogenized and then kept for sedimentation for about 24 hrs. After sedimentation, the pH of the sediment liquid is checked and it is neutralized with necessary chemicals. Treatment with KMnO_4 , is again done if needed. The treated water is then disposed of into the pit created nearby the tank.

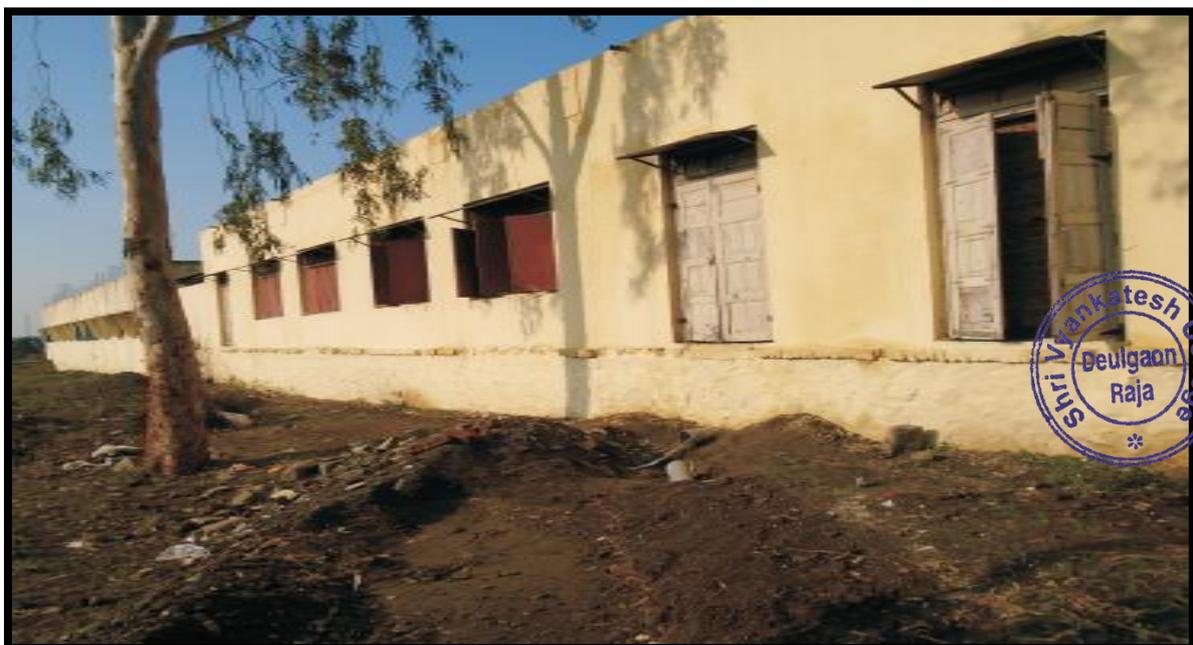


3) TOILET AND URINAL WASTE

The socking pit has been created at the rear of the building in the college premises and the waste water is release into that pit.



**WATER FROM THE CAMPUS IS COLLECTED AT THE COMMON POINT
AND MOVED TOWARDS PIT THROUGH PIPELINE**



PIPELINE FOR RAIN WATER COLLECTION





RAIN WATER COLLECTION PIT NEAR THE WELL.



SOCKING PIT FOR THE URINAL





SOCKING PIT FOR THE URINAL



SOCKING PIT FOR THE URINAL



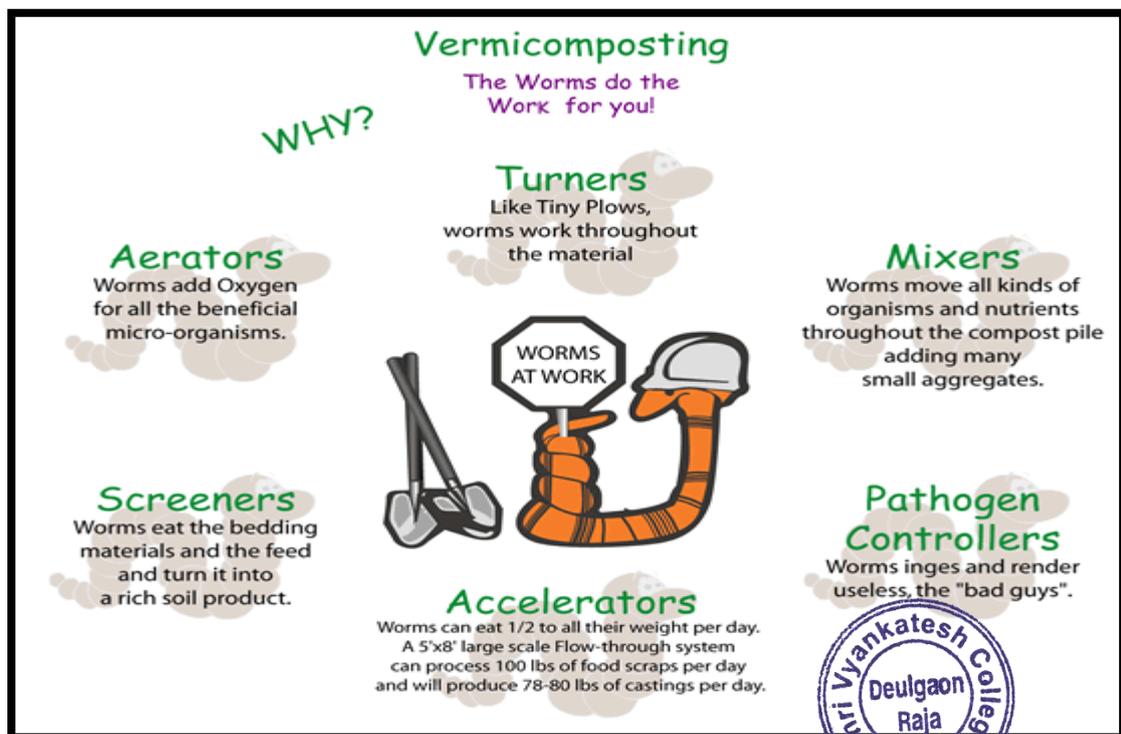
B) SOLID WASTE MANAGEMENT

Our college is very conscious and committed to the environmental issues with regard to protection, conservation and sustenance of natural resources. The faculty and the students are being sensitized towards environmental issues through continuous orientation programs. The different sectors of the institution promote conservation of natural resources by implementing different strategies with reference to utilization of water and energy.

1) COMPOST

Wet waste generated at campus is collected in a pit of size is 15×10×4 feet. This waste is subjected for windrow composting. It is the production of compost by piling organic matter or biodegradable waste. This pit is mixed periodically to improve the porosity, oxygen content, remove moisture and redistribute cold and hot portions of pile. From this we get 90 kg for every year dry manure which is utilized for the gardening the campus and various plants present in the premises of the Institution. The solid waste generated by the Microbiology Department which contains highly dangerous pathogens is disposed following bio safety norms as it is first sterilized by autoclaving and then disposed.

2) VERICOMPOST



Our campus has well established vermicompost project where the organic debris are converted into worm castings that play important role in increasing the fertility of soil. Red earthworm species *Eisenia foetida*, are used for compost making. The non-burrowing earthworms eat 10 percent soil and 90 percent organic waste materials; these convert the organic waste into vermicompost faster than the burrowing earthworms .Earthworms consume organic wastes and reduce the volume by 40–60 percent. Each earthworm weighs about 0.5 to 0.6 gram, eats waste equivalent to its body weight and produces cast equivalent to about 50 percent of the waste it consumes in a day. The moisture content of castings ranges between 32 and 66 percent and the pH is around 7. The level of nutrients in compost depends upon the source of the raw material and the species of earthworm. vermicomposting is done to meet personal requirements are harvesting 1-2 tons of vermicompost annually.

VERMICOMPOST TEA

A relatively new product from vermicomposting is vermicompost tea which is a liquid produced by extracting organic matter, microorganisms, and nutrients from vermicompost. Unlike vermicompost and compost, this tea may be applied directly to plant foliage, reportedly to enhance disease suppression. Vermicompost tea is applied to the soil as a supplement between compost applications to increase biological activity.

E-WASTE MANAGEMENT

We promote E-waste management by practicing buy back offers. Whenever computers are purchased, we request the vendors to buy back the old system so that it is recycled. Similarly, we advocate the staff and students to give their old mobiles and purchase new ones from stores where they have such offers. The staff uses pen drives to store data instead of files or CDs. Electronic goods are put to optimum use and the minor repairs are set right by the staff and the laboratory assistants and professional technicians are called as and when required.



PHOTOGRAPHS:



COLLEGE SERVENTS PORING CULTURE ON WEASTE FOR COMPOSTING.



COLLEGE SERVENTS DUMPING ORGANIC WEASTE FOR COMPOSTING





COLLEGE SERVENTS DUMPING ORGANIC WEASTE FOR COMPOSTING



STUDENTS COLLECTING ORGANIC WEASTE FOR VERMICOPOSTING.



STUDENT SPREADING ORGANIC WEASTE FOR VERMICOPOSTING



STUDENTS ALONGWITH FACULTY MEMBERS PREPARING FOR VERMICOPOSTING



VERMICOMPOST COLLECTION

