



# **JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**

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Tah. Narkhed, Dist. Nagpur-441301 (M.S.)

## **CRITERION-VI**

### **Governance, Leadership and Management**

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**6.2.1: The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc.**



# JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM

**Tah. Narkhed, Dist. Nagpur-441301 (M.S.)**

(Permanent Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

**College Code: 341**

**(NAAC Accredited in Cycle II with 'B++' Grade, CGPA 2.93)**

ISO 9001:2015 Certified, NIRF Participated

Website: [www.jvmd.co.in](http://www.jvmd.co.in)

E-mail: [jvmthugaondeo@gmail.com](mailto:jvmthugaondeo@gmail.com)

JVMD/2022/14

Date: 03/07/2024


## Declaration

This is to declare that the information, reports, true copies and numerical data etc. furnished in this file as supporting documents is verified by IQAC and found correct.

Hence this certificate.

  
**Convener**  
Internal Quality Assurance  
Cell (IQAC), JVM Thugaondeo  
Dist. Nagpur (M.S.)



  
**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur



## **6.2.1 - The institutional Strategic/ perspective plan is effectively deployed Supporting Document**

### **1. Perspective Plant (Vision Document): 2017-2022**

### **2. Details of One Activity**

## **Development Plan for the College** **(2019– 2024)**

The college has done lot of progress during last few years. It is mainly due to the grants received from different resources and funding agencies. The liberal policy and encouraging support by the governing parent society also aid in the overall development of College. The following plan for the development has been chalked out after interaction with the Internal Quality Assurance Cell, and considering the suggestions of NAAC peer team visit during 2<sup>nd</sup> cycle of accreditation in 2019.

### **Short Term Development Plan:**

- Infrastructure Development**
- Entrepreneurship Development Cell**

Referring to the recommendations for quality enhancement of the institution by the NAAC peer team in 2019, there is a need to create the Placement Cell. The college also runs the students adoption scheme. The cell will meet and cater the need of the scheme. The Placement Cell can be useful to the students of all the departments of the college, particularly Commerce, Science, B.Voc. departments. The cell will showcase the employable abilities and skills of students.

### **Short Term Development Plan**

- Canteen**

Considering the number of students and staff in the institute we need canteen with hygiene, quality food facilities at affordable rates.

- Indoor Stadium**

As per the recommendations for quality enhancement of the institution by the NAAC peer team in 2019, Physical Education department of institute requires an advanced Indoor Stadium to encourage the students for indoor games.

- Bore well and RO water system**

As per the number of students and staff, the college has insufficient water

resources. There is an urgent need of additional Bore well and to provide purified water to students centralized RO system is essential.

□ **Development of Resource Centre for Inclusive Education.**

To cater the academic needs of differently abled students we have to develop the Resource Centre for Inclusive Education.

□ **Renovation/Reconstruction of old buildings**

Considering the flow and need of the students, the college building needs renovation and expansion.

**Developments with respect to teaching learning:**

□ **Up gradation of classrooms for digital education as per the need of ICT**

To transform from Conventional Teaching methods to digitalization it is required to develop classrooms as per ICT.

□ **Upgradation of NRC**

We have a NRC Network Resource center with 04 Nodes which is insufficient comparing to the number of students, hence up-gradation is needed.

□ **Upgradation of laboratories**

As per new semester system new experiments are introduced in syllabus and also due to growing number of students, up-gradation of laboratories is essential.

□ **Computer Student/Employee ratio**

As per the need Computer student and Computer Employee ratio is required to be improved

□ **Organizing Training Programms for Teachers and Students**

NLIST, MOODLE, TALLY , Soft Skill, IPR

□ **Development with respect to Research**

- **Research Projects**
- **Workshop on Research Topics**
- **MOU Collaboration with Industries and institutes**
- **Availability of Seed Money**
- **High Impact Publications**
- **Patents**
- **Publication of Book**
- **Recognition as Research Guide**

**Extension Activity**

**Adoption of Village for Community Services**

The various departments of the college undertake several extension activities throughout the year. The NSS is actively involved in social responsibilities. The adoption of village every year will focus the strength of the teachers and students at one place for quality output.

**Communication skill workshops for students and community.**

Organization of Communication skill workshops for students and community is essential to improve the communication skills which are vital in the global employability scenario.

**Organization of Yoga and Pranayam Shibirs for healthy community**

Yoga and Pranayama Shibirs would be organized for healthy community.

**Competitive Exams cell**

To provide coaching and guidance to students for competitive exams of various selection and recruitment boards.

**Computer literacy amongst students and staff.**

Training to students and non-teaching staff is required to improve their computer skills

**MOU / Collaborations with industries and institutes.**

Establishing MOU/Collaboration with industries and institutes of repute which is vital to share and exchange resources to enhance the academics and research of our college.

**Enriching library resources and infrastructure.**

To cater the needs of users, library resources are to be augmented as per the requirements of new syllabus and advanced research.

**Encouragement of inter departmental research activities**

To encourage interdepartmental research to solve the societal problems and to undertake local opportunity based problems.

**Long Term Development Plan**

**Indoor Stadium Renovation**

As per the need for quality enhancement of the Physical Education department of institute requires renovated Indoor Stadium to encourage the students for indoor games.

□ **Construction of buildings/ Construction of laboratories**

Considering space constraint, number of students and courses construction in the existing buildings is necessary.

□ **Skill based learning programs**

To provide opportunity of employability to students, Skill based learning programs need to be introduced.

□ **Renewable energy resources**

To meet the growing energy requirements of college, energy systems based on renewable energy resources should be added to the conventional MSEB based electric energy supply. The additional energy produced can be sold back to MSEB to reduce the energy bill and protect the environment.

□ **Renovation of Rain water harvesting**

Rain water harvesting for recharging the bore wells and uplifting the water level for conservation of environment.

□ **Solution for parking.**

□ **Sustenance of excellence**

- Fire audit
- Green audit.
- Financial audit.
- Maintenance of building and instruments.
- Audit for proper utilization of resource.
- Academic audit.
- Working efficiency review
- Promotion of cluster approach

**JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**  
**POST NAAC ACCOMPLISHMENTS AFTER CYCLE-II**  
**(From 2018-2019 to 2023-2024)**

Sr. No.	Category	Initiatives Taken	Year of Accomplishments
1	<b>Started Academic Initiatives</b>	Bachelor of Commerce (B.Com.) (UG Degree Course)	2018
		Bachelor of Science (B.Sc.) (UG Degree Course)	2018
		Master of Arts (MA) in Economics (PG Degree Course)	2019
		Master of Arts (MA) in Political Science (PG Degree Course)	2021
		Master of Science (M.Sc.) in Chemistry (PG Degree Course)	2021
		Master of Science (M.Sc.) in Mathematics (PG Degree Course)	2021
		Master of Science (M.Sc.) in Microbiology (PG Degree Course)	2021
		Master of Science (M.Sc.) in Computer Science (PG Degree Course)	2022
		Master of Commerce (M.Com.) (Marathi Medium) (PG Degree Course)	2022
		Bachelor of Business Administration (BBA) (UG Degree Course)- Proposed	2023
		Bachelor of Social Work (BSW) (UG Degree Course)- Proposed	2023
		Started Value-added Certificates Courses-10	2018
		Savitri Shivan Kala Kendra	2018
		Difficulty Counter	2018
Entrepreneurship Cell	2018		
Student Adoption Scheme	2019		
2	<b>Sports Initiatives</b>	Strengthened Indoor Stadium	2019
		Green Gymnasium	2019
		Developed Sports Ground with all facilities	2020
		Organized Sports Tournaments	During Five Years
		Green Gymnasium	2019

3	<b>Green Initiatives</b>	Audits (Green, Energy, Solid Waste, Academic)	2018
4	<b>Cultural Initiatives</b>	Started Matoshri Music Academy	2018
5	<b>Research Initiatives</b>	<ul style="list-style-type: none"> <li>• All Permanent faculty gained Ph.D.</li> <li>• Five Faculty Members recognized as Ph.D. Guide.</li> <li>• Research Projects Completed- 06</li> <li>• UGC Care/ Scopus Research Papers – 62</li> <li>• Authored Books- 28</li> <li>• Patents Published – 14</li> <li>• Workshops/ Seminar/ Conference/ FDPs Organized - 34</li> </ul>	During Five Years
6	<b>Appointments in various Statutory Boards of Parent University</b>	<ul style="list-style-type: none"> <li>• Management Councilors- 01</li> <li>• Senate Member-01</li> <li>• University Perspective Plan Committee- 01</li> <li>• Chairman, University Academic Audit Committee</li> <li>• Chairman, BoS (Military Science)</li> <li>• Board of Studies Member- 06</li> <li>• 48/3 Committee- 03</li> <li>• Research Advisory Committee- 02</li> </ul>	During Five Years
7	<b>Appointments in various Organizations</b>	<ul style="list-style-type: none"> <li>• President, NUCLA</li> <li>• President, East Maharashtra Forum</li> <li>• Vice President, Vidarbha Economics Council</li> <li>• Executive Member, Political Science of Maharashtra Council</li> </ul>	During Five Years
8	<b>Awards/ Recognition</b>	<ul style="list-style-type: none"> <li>• Best College Award (NSS)- 2021</li> <li>• Best Principal Award- 2022</li> <li>• Best Programme Officer (NSS)-2021</li> <li>• Research Excellence Award (UK Health Organization)- 2021</li> </ul>	During Five Years
9	<b>Infrastructural Developments</b>	<ul style="list-style-type: none"> <li>• Laboratories- 05</li> <li>• ICT Lab with 20 PCs including all facilities-01</li> <li>• Classrooms-07</li> <li>• Competitive Examination Cell</li> <li>• Entrepreneurship Development Cell</li> <li>• Canteen</li> <li>• Botanical Garden</li> <li>• IT Software purchased</li> </ul>	During Five Years
10	<b>Grants/ Funds from Govt./ NGOs</b>	<ul style="list-style-type: none"> <li>• Rs. 22 lakhs</li> </ul>	During Five Years
11	<b>Transportation Facilities</b>	<ul style="list-style-type: none"> <li>• Own 02 buses (40 seater and 16 seater )</li> </ul>	During Five

			Years
12	<b>NCC Unit</b>	<ul style="list-style-type: none"> <li>Proposed</li> </ul>	During Five Years

## **One Activity:**

### **Entrepreneurship Cell (Savitri Shivan Kala Kendrd)**

The college is running Savitri Shivan Kala Kendra for girl's students and women's in the society 2018. It is one of the best activities running by our college; under this the college provides opportunity to students to earn money while learning in the college. The college gives the work that requires skills related to computerization, tailoring, printing, wooden architecture, fabrics texturing, nursery techniques etc. This helps many students to earn money to meet their necessities and complete their education. For the economic stability of girl students and to make them more skill oriented after the completion of their degree, they should stand on their own to earn bread and butter, this scheme was started. Later while preparing the perspective plan of 2019-2024, the IQAC has incorporated establishment of Entrepreneurship cell as one of the major objective. A committee was formulated by IQAC to develop the entrepreneurship cell under the Coordinator-ship of Dr. Raju Shrirame, Department of Economics.

#### **Objectives, Context and Practice:**

##### **Objectives:**

The entrepreneurship cell was established to inculcate the values of self-employment through students' abilities and skills; the major objectives of the cell includes-

1. To enhance the entrepreneurial skills.
2. To provide entrepreneurial knowledge
3. To provide a platform for inculcating entrepreneurial skills in students
4. To encourage students to get self employed

##### **Context:**

The current general scenario indicates that employment opportunities are shrinking; therefore it is the need of the hour to convert small ideas to earn money. Many students are from agriculture background having agricultural resources for a start; but the fear of risk stops the students to indulge in entrepreneurship. In a multi faculty college, Entrepreneurship Cell is a platform made available to students to use freely to explore their capabilities.

##### **Practice:**

The college took the initiative to develop and support the students along with academics with a view to inculcate entrepreneurial initiative in students through several activities.

- Organization of Seminars, webinars and workshops on different topics of related to skill development in various sectors for students.
- In house training to willing students regarding different skills.
- Display and marketing of the articles, artifacts and goods in the entrepreneurship cell prepared by students.

#### **Evidence of success:**


- 1) Every year, the selling of college uniforms, God's clothes prepared by a group of students attached to entrepreneurship cell.
- 2) Marketing of articles and goods in association with self help groups.
- 3) Some students have established their own small business/ trades.
- 4) Mask, sanitizer and sapling preparation and their selling.

#### **Committee for Entrepreneurship Cell:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Raju Shrirame	Coordinator
2	Mr. Pritam Sukhadeve	Member
3	Mr. Prashant Dakhole	Member
4	Mr. Chetan Surjuse	Member
5	Mr. Devendra Wasade	Member


  
**Convener**  
Internal Quality Assurance  
Cell (IQAC),JVM Thugaondeo  
Dist. Nagpur (M.S.)



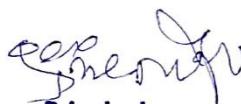
  
**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur





  
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 Internal Quality Assurance  
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**Principal**  
 Jeevan Vikas Mahavidyalaya  
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 Tah. Narkhed, Dist. Nagpur

#### **Section IV: Recommendations for Quality Enhancement of the Institution**

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- College may establish Entrepreneurship Development Cell to promote self employment.
- Explore the possibility for more funding from Govt/Non-govt agencies.
- Institution supported travel facilities should be further expanded to the students on regular basis.
- Competitive examination coaching centre could be further strengthened.
- There is scope for improvement in the faculty research and publications.
- Further attempts may be made to improve communication skills of the students.
- Attempts may be made to introduce the NCC.
- “Difficulties Counter” is a good practice and is liked by students. Its duration may be expanded in consultation with the students.
- New B.Voc. courses may be introduced, in subjects like fashion designing, electrician and plumbing courses, computer and mobile repair, etc. Starting of M.Voc. courses in one or two areas may be considered.
- Gradually, new Master’s level courses could be opened.

**I have gone through the observations of the Peer Team as mentioned in this report**

# POLICY DOCUMENT



**ANTYODAY MAHAVIDYALAYA, DEVGRAM**  
Tah. Narkhed, Dist. Nagpur-441301 (M.S.)

## **College Policies & Directives**



Permanent Affiliated to  
**Rashtrasant Tukadoji Maharaj**  
Nagpur University, Nagpur

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## 14 Sustainable Campus Policy

### Preamble

The Stockholm Conference on the Human Environment, 1972, drew attention to the need for green education i.e. education relating to environment protection. The most oft quoted definition of Sustainable development has been given by the United Nations World Commission on Environment and Development (Brundtland Commission) in its 1987 Report. Our Common Future which defines it as development "which meets the needs of the present without compromising the ability of future generations to meet their own needs."

Mankind has pursued increased industrialisation and urbanisation and brought about economic development, which has often been at the cost of tremendous environmental degradation. We have been witnessing this in the form of pollution, acid rain, deforestation, desertification, ozone-depletion, global warming, early signs of climate change.

In 2008, the G8 University Summit adopted the Sapporo Sustainability Declaration for internalising environmental consciousness in university academic frameworks and on campus. In 2015, India committed itself to the UN 2030 Agenda for Sustainable Development (for fulfilment of the UN Sustainable Development Goals 2015-2030). The UGC has laid down the SATAT framework to encourage environment friendly practices on campuses of Higher Educational Institutions. In keeping with the UGC's guidelines, The College has adopted an Environment Sustainability Policy.

### Objectives

To incorporate sustainable practices like optimisation of material use, promoting water and energy conservation, waste management, no plastic use.

To establish a Teaching-Learning and Research environment conducive to safe and sustainable future by including sustainability related topics in academic programmes and research.

To create an institutional culture which supports sustainable thinking by encouraging HEI stakeholders (students, faculty, non-teaching staff, civil society) to embrace green life styles, sustainability principles and practices.

To foster a culture of sustainability via advocacy to and engagement of the immediate stakeholders (students, staff) and promote beyond campus environment awareness programs for civil society.

To ensure voluntary participative implementation of sustainability practices by the HEI stakeholders through adherence to the principles of REDUCE, REUSE, RECYCLE, REPAIR, REPORT to the best possible extent.

  
Director  
Internal Quality Assurance  
Cell 0844 111 111  
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Principal  
Jyoti Vihar Mahavidyalaya  
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Old, Nagpur (M.S.)

AMD Policies





Antyoday Mission's

## Jeevan Vikas Mahavidyalaya, Devgram

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No.JVMD/Q/2020

Date: 22/04/2020

प्रति

मा. सरपंच / सचिव

ग्राम पंचायत, देवग्राम

ता. नरखेड, जि. नागपूर

विषय : महाविद्यालयास सत्र 2019-2020 या वर्षातील माती परीक्षण तथा व्यवस्थापन याचा अंकेक्षण अहवाल व प्रमाणपत्र प्रदान करण्याबाबत विनंती

महोदय,

उपरोक्त विषयाच्या अनुषंगाने आपणास कळवितो की शैक्षणिक सत्र 2019-2020 मध्ये, जीवन विकास महाविद्यालय, देवग्राम या महाविद्यालयातील विद्यार्थ्यांनी देवग्राम या गावात जावून माती परीक्षण व व्यवस्थापन या कार्यक्रमांतर्गत गावातील घनकचरा गोळा करून त्याचे व्यवस्थापन केलेले आहे. तसेच गोळा केलेला घनकचरा आपणास सुपूर्द करून त्यास पुनः चक्रीकरनासाठी पाठविण्यात आलेला आहे. करिता, या वर्षातील माती परीक्षण तथा व्यवस्थापन अंकेक्षण अहवाल व प्रमाणपत्र प्रदान करावे, हि विनंती.

धन्यवाद.

आपला विश्वासू,

Received  
22/04/2020





Principal

Jeevan Vikas Mahavidyalaya  
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Antyoday Mission's

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No.JVMD/Q/2021

Date: 24/04/2021

प्रति

मा. सरपंच / सचिव

ग्राम पंचायत, देवग्राम

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धन्यवाद.

आपला विश्वासू,

Principal

Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
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Received  
24/04/2021



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No.JVMD/Q/2022

Date: 25/04/2022

प्रति

मा. सरपंच / सचिव

ग्राम पंचायत, देवग्राम

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धन्यवाद.

आपला विश्वासू,



Principal

Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
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Antyoday Mission's

## Jeevan Vikas Mahavidyalaya, Devgram

Tah. Narkhed, Dist. Nagpur- 441 301 (M.S.)

(Permanent Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

College Code: 341

(NAAC Accredited in Cycle II at 'B++' Grade, CGPA 2.93)

ISO 9001:2015 Certified, NIRF Participated

Website: [www.jvmd.co.in](http://www.jvmd.co.in)

E-mail: [jvmthugaondeo@gmail.com](mailto:jvmthugaondeo@gmail.com)

No.JVMD/Q/2023

Date: 27/04/2023

प्रति

मा. सरपंच / सचिव

ग्राम पंचायत, देवग्राम

ता. नरखेड, जि. नागपूर

विषय : महाविद्यालयास सत्र 2022-2023 या वर्षातील माती परीक्षण तथा व्यवस्थापन याचा अंकेक्षण अहवाल व प्रमाणपत्र प्रदान करण्याबाबत विनंती

महोदय,

उपरोक्त विषयाच्या अनुषंगाने आपणास कळवितो की शैक्षणिक सत्र 2022-2023 मध्ये, जीवन विकास महाविद्यालय, देवग्राम या महाविद्यालयातील विद्यार्थ्यांनी देवग्राम या गावात जावून माती परीक्षण व व्यवस्थापन या कार्यक्रमांतर्गत गावातील घनकचरा गोळा करून त्याचे व्यवस्थापन केलेले आहे. तसेच गोळा केलेला घनकचरा आपणास सुपूर्द करून त्यास पुनः चक्रीकरणासाठी पाठविण्यात आलेला आहे. करिता, या वर्षातील माती परीक्षण तथा व्यवस्थापन अंकेक्षण अहवाल व प्रमाणपत्र प्रदान करावे, हि विनंती.

धन्यवाद.

आपला विश्वासू,



कार्यालय

# ग्राम पंचायत देवग्राम

तह. नरखेड, जि. नागपूर - ४४१३०१ (महाराष्ट्र)

सौ. पायल नी. गडेकर

सरपंच

श्री. देवेन्द्र वा. लोहे

उपसरपंच

कु. विजया अ. तिजारे

सचिव

जावक क्रमांक: ग्रा.प.दे. 123/2019

दिनांक: 30/04/2019

## CERTIFICATE OF APPRECIATION

We sincerely thank Jeevan Vikas Mahavidyalaya, Devgram for participating and implementing Solid Waste Management.

The College, Jeevan Vikas Mahavidyalaya, Devgram has implemented Solid Waste Management in an environment friendly manner and diverted 120 Kg of solid waste from landfill to recycling during the year 2018-2019.

Let us continue to recycle waste and save environment.

Place: Devgram

Date: 30/04/2019



*विजया अ. तिजारे*  
सचिव  
ग्राम पंचायत देवग्राम  
पं.स.नरखेड, जि.प.नागपूर



कार्यालय

# ग्राम पंचायत देवग्राम

तह. नरखेड, जि. नागपूर - ४४१३०१ (महाराष्ट्र)

सौ. पायल नी. गडेकर  
सरपंच

श्री. देवेन्द्र वा. लोहे  
उपसरपंच

कु. विजया अ. तिजारे  
सचिव

जावक क्रमांक: ग्रा.प.दे./316/2020

दिनांक: 30/04/2020

## CERTIFICATE OF APPRECIATION

With pleasure, we certify that the College, Jeevan Vikas Mahavidyalaya, Devgram, Tah. Narkhed, Dist. Nagpur participated in Solid Waste Management drive in the academic session 2019-2020.

The College, Jeevan Vikas Mahavidyalaya, Devgram has collected 170 Kg of Solid Waste from various locations in Devgram with the help of students in an environment friendly manner and diverted it to recycling.

We highly appreciate their participation and contribution in this eco-friendly activity and hope to co-operate in future, too.

Place: Devgram

Date: 30/04/2020



*विजया अ. तिजारे*  
सचिव  
ग्राम पंचायत देवग्राम  
पं.स.नरखेड, जि.प.नागपूर



कार्यालय

# ग्राम पंचायत देवग्राम

तह. नरखेड, जि. नागपूर - ४४१३०१ (महाराष्ट्र)

सौ. पायल नी. गडेकर

सरपंच

श्री. देवेन्द्र वा. लोहे

उपसरपंच

कु. विजया अ. तिजारे

सचिव

जावक क्रमांक: ग्रा.प.दे./564/2021

दिनांक: 30/04/2021

## CERTIFICATE OF APPRECIATION

This is to certify that the College, Jeevan Vikas Mahavidyalaya, Devgram, Tah. Narkhed, Dist. Nagpur with the help of students collected 156 Kg of Solid Waste from the Devgram and nearby community in an environment friendly manner and diverted it to recycling in the academic session 2020-2021.

We highly appreciate their participation and contribution in this Solid Waste Management drive.

Place: Devgram

Date: 30/04/2021







कार्यालय

# ग्राम पंचायत देवग्राम

तह. नरखेड, जि. नागपूर - ४४१३०१ (महाराष्ट्र)

सौ. पायल नी. गडेकर  
सरपंच

श्री. देवेन्द्र वा. लोहे  
उपसरपंच

कु. विजया अ. तिजारे  
सचिव

जावक क्रमांक: ग्रा.प.दे./889/2022

दिनांक: 30/04/2022

## CERTIFICATE OF APPRECIATION

This certificate of Appreciation is issued to the Principal, Jeevan Vikas Mahavidyalaya, Devgram, Tah. Narkhed, Dist. Nagpur for participating and implementing in Solid Waste Management.

The College, Jeevan Vikas Mahavidyalaya, Devgram has participated and implemented in Solid Waste Management drive with the help of college students and diverted 165 Kg of solid waste from landfill to recycling during the year 2021-2022.

Place: Devgram

Date: 30/04/2022



सचिव  
ग्राम पंचायत देवग्राम  
पं.स.नरखेड, जि.प.नागपूर



कार्यालय

# ग्राम पंचायत देवग्राम

तह. नरखेड, जि. नागपूर - ४४१३०१ (महाराष्ट्र)

सौ. पायल नी. गडेकर

सरपंच

श्री. देवेंद्र वा. लोहे

उपसरपंच

कु. विजया अ. तिजारे

सचिव

जावक क्रमांक: ग्रा.प.दे./1013/2023

दिनांक: 30/04/2023

## CERTIFICATE OF APPRECIATION

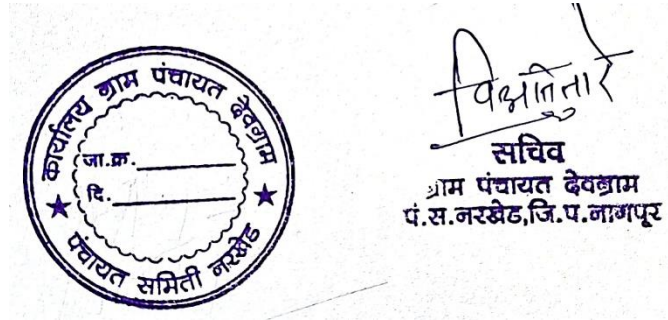
I am happy to certify that the College Jeevan Vikas Mahavidyalaya, Devgram, Tah. Narkhed, Dist. Nagpur during the academic session 2022-2023 participated in Solid Waste Management drive.

The College collected 162 Kg of Solid Waste from the community and to recycling and helped in the protection of environment. We highly appreciate their participation and contribution in this social service.

Hence, this Certificate is issued.

Place: Devgram

Date: 30/04/2023



सचिव  
ग्राम पंचायत देवग्राम  
पं.स.नरखेड, जि.प.नागपूर



सूचना

Page No. \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

१५/०८/२०१८

सर्व महाविद्यालयीन विद्यार्थ्यांना स्वयंत करण्यात येते की, महाविद्यालयाच्या परिसर 'कॉम्प्लेक्स मुक्त' करण्यासाठी महाविद्यालयीन परिसरातील कॉम्प्लेक्स पिशाची, पाण्याची कॉम्प्लेक्स बाँटण तसेच इतर कॉम्प्लेक्स वस्तू दिसल्यास त्या कचरा पेटी मध्ये टाळाव्यात व कोणीही कॉम्प्लेक्स वस्तूचा वापर कुशागर नाहित याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.

दि. १०/०८/२०१८



आदेशावर  
*[Handwritten Signature]*

Principal

Jeevan Vikas प्राचार्य  
जीवन विकास महाविद्यालय, देवग्राम  
Tah. Nandurde Dist. Nagpur

सूचना

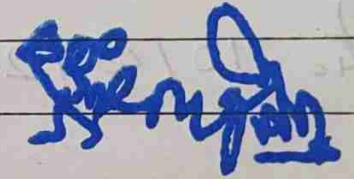
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Date 15/09/2018

सर्व महाविद्यालयीन विद्यार्थ्यांना सूचित  
करण्यात येते की, 'गणपती उत्सवाच्या दरम्यान  
'निर्मल्य कुडात' गणपतीचे विसर्जन करावे.  
जलप्रदूषण होण्यास टाळावे. याचा सतत  
विद्यार्थ्यांनी नोंद घ्यावी.

दि. 15/09/2018

आदेशात्मक



Principal  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur





धुचना

Page No. \_\_\_\_\_

Date \_\_\_\_/\_\_\_\_/\_\_\_\_

JVM / 2 / 2019

सर्व महाविद्यालयीन विद्यार्थ्यांना सूचित  
करण्यात येते, की, महाविद्यालयाच्या परिसरात  
'कचरा कुडी' ठेवण्यात आल्या आहे.  
तरा सर्व विद्यार्थ्यांनी कचरा कुडीचा वापर  
करावा इतर ठिकाणी कचारा टाकू नये  
याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.

दि. 12/09/2019

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आदेशावरचे



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**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur

अचना

Page No. \_\_\_\_\_

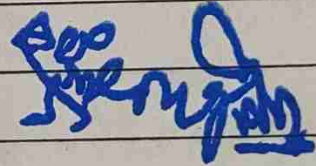
Date / /

JUL 12 / 08 / 2020

सर्व महाविद्यालयीन विद्यार्थ्यांना सूचित करण्यात येते की, 'राष्ट्रीय सेवा योजना' मार्फत दर महिन्यातून पहिल्या शनिवारला श्रमदानाचे आयोजन केले जात आहे. यामध्ये सर्व विद्यार्थी श्रमदान करतील याची नोंद घ्यावी.

दि. 12 / 08 / 2020

आदेशान्वये



Principal

Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur





सूचना

Page No. \_\_\_\_\_

Date / /

JVM/2/2020

सर्व महा विद्यालयीय विद्यार्थ्यांना सूचित करण्यात येते की, दि. 05/09/2020 ला पर्यावरणालाक समितीला शाळ्यासाठी व वायुशुद्धीकरण करण्यासाठी वृक्षरोपनाचे आयोजन करण्यात येत आहे. करिता सर्व विद्यार्थी उपस्थित राहतील याची नोंद घ्यावी.

दि. 07/09/2020

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आपेशान्वये

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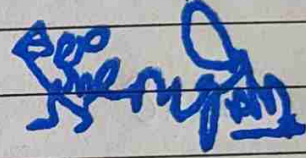
Principal  
 Jeevan Vikas Mahavidyalaya  
 Devgram  
 Tah. Narb.

JVM/2/2021

सर्व महाविद्यालयीय विद्यार्थ्यांना सूचित  
 करण्यात येते की, महाविद्यालय स्वच्छता मोहिम  
 राबवण्यात येत आहे. या निमित्ताने संपूर्ण  
 परिसर रोगमुक्त होईल हाच या मोहिमेचा उद्देश  
 आहे. याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.

दि. 05/08/2021

आदेशान्वये




Principal  
 Jeevan Vikas Mahavidyalaya  
 Devgram (Thugaondeo)  
 Tah. Narkhed, Dist. Nagpur



अुचना

Page No. \_\_\_\_\_

Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

JVM/2/2021

सर्व महाविद्यालयीन विद्यार्थ्यांना सूचित  
करण्यात येते की, महाविद्यालय 'मिशन  
' ऑनलाईन मोडेल, राबवण्यात येत  
असल्यास त्या निमित्ताने लुकरा  
रोपन करण्यात येत आहे, लरी सर्व  
विद्यार्थ्यांना लुकरा रोप आनावे याची  
विद्यार्थ्यांनी नोंद घ्यावी.

दि. 13/09/2021

आदेशान्वये



*(Handwritten signature in blue ink)*

**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur



सूचना

Page No. \_\_\_\_\_

Date 11/11/11

JVM/R/2022

सर्व महाविद्यालयीन विद्यार्थ्यांना सूचित  
करण्यात येते की, दि. १३/०८/२०२२  
ला पर्यावरणातील समतोल राखण्यासाठी  
(वृक्षरोपणाचे आयोजन) करण्यात येत  
आहे. सर्व विद्यार्थ्यांनी उपलब्ध राहणे  
अनिवार्य आहे. याचा नोंद घ्यावी.

दि. १२/०८/२०२२

*[Faint signature]*

आदेशाचर्ये

*[Handwritten signature in blue ink]*



**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tal. Narikhed, Dist. Nagpur

सूचना

Page No. \_\_\_\_\_

Date: / /

JVM/2/2022

सर्व महाविद्यालयतील सर्व विद्यार्थ्यांना  
अभिमान, कुरव्यात येते, लो, परिस्तरातील  
ठेवलेल्या कचरा कुडीतच कचरा टाकावा  
आणि परिस्तर स्वच्छ ठेवण्यात योगदान  
दावा. ही सर्व याची नोंद घ्यावी.

दि. 19/09/2022

आदेशान्वये



Principal  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tal. Narkhed, Dist. Nagpur

# **JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**

**Tah. Narkhed, Dist. Nagpur (Maharashtra)**

## **GREEN AUDIT REPORT** **Solid Waste Audit Year - 2018-2019**

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### **INTRODUCTION**

The Green Audit of Jeevan Vikas Mahavidyalaya was conducted to assess the quantity, composition, and management of solid waste generated within the college premises. This audit aims to provide insights into waste generation patterns and offer recommendations for improved waste management practices, contributing to the institution's sustainability goals and environmental responsibility.

### **AIMS AND OBJECTIVES**

1. **Assess Waste Generation:** Determine the quantity and types of solid waste generated in various departments and facilities.
2. **Analyse Waste Composition:** Identify the components of waste to improve segregation and recycling practices.
3. **Evaluate Management Practices:** Review current waste management practices and identify areas for improvement.
4. **Provide Recommendations:** Suggest actionable measures to minimize waste generation and enhance waste management strategies.

### **DATA COLLECTION**

Data was collected from various sources within the college over a specific period, capturing weekly waste generation in different areas:

1. **Library**
2. **Main Office**
3. **Classrooms**
4. **Arts Department**
5. **Science Department**
6. **Commerce Department**
7. **College Canteen**

Types of waste recorded include paper, hardware paper, polythene, chalk, biomass, glass, and food waste.

## DATA ANALYSIS

**Table 1: Weekly Waste Generation in grams**

Places	Paper	Hardware Paper	Polythene	Chalk	Biomass and Other
Library	15000	00	55	00	5500
Main Office	1500	55	80	00	40000
Class Room	00	00	60	600	1300
Total	16500	55	195	600	58500

**Table 2: Weekly Department-wise Waste Generation (in grams)**

Department	Paper	Polythene	Glass	Chalk	Garden	Biomass and Other
Arts	7500	175	00	00	00	5000
Science	20000	150	1000	1000	5000	00
Commerce	7500	100	00	00	00	00
Total	35000	425	1000	1000	5000	5000

**Table 3: Weekly Waste Generation at College Canteen (in grams)**

Source	Food	Kitchen	Polythene	Glass	Hardware Paper
College Canteen	1000	2000	400	100	100
Total	1000	2000	400	100	100

## OBSERVATIONS

1. **Paper Waste:** The Commerce Department generates the highest paper waste, followed by the Science Department. The Library, while significant, is less than the Commerce Department.
2. **Biomass Waste:** The Main Office and Arts Department generate substantial biomass waste, with the Main Office having the highest amount.

3. **Polythene Usage:** Polythene waste is observed in all departments, with the highest amounts in the Commerce Department and the College Canteen.
4. **Food and Kitchen Waste:** The College Canteen generates a significant amount of food and kitchen waste, indicating potential areas for improved waste management.

## COMMENTS ON RECOMMENDATIONS

### 1. Paper Waste Reduction:

**Digital Transition:** Promote the use of digital documents and communication to reduce paper usage.

**Recycling Programs:** Implement comprehensive recycling programs for paper in all departments.

### 2. Biomass Waste Management

**Composting:** Introduce composting systems for biomass waste to recycle organic materials effectively.

### 3. Polythene Reduction:

**Alternative Materials:** Encourage the use of biodegradable or reusable alternatives to polythene.

**Awareness Campaigns:** Conduct awareness campaigns to reduce polythene usage among students and staff.

### 4. Food Waste Management:

**Food Donation:** Establish a system to donate surplus food to local charities.

**Waste Audits:** Regularly audit food waste to identify and address areas of excessive waste.

### 5. Regular Monitoring:

**Waste Tracking:** Implement a tracking system to monitor waste generation trends and the effectiveness of waste management practices.

## CONCLUSION

The solid waste audit for Jeevan Vikas Mahavidyalaya reveals areas of significant waste generation and provides a basis for enhancing waste management practices. Key areas of focus include reducing paper and polythene waste, improving biomass management, and addressing food waste at the canteen.

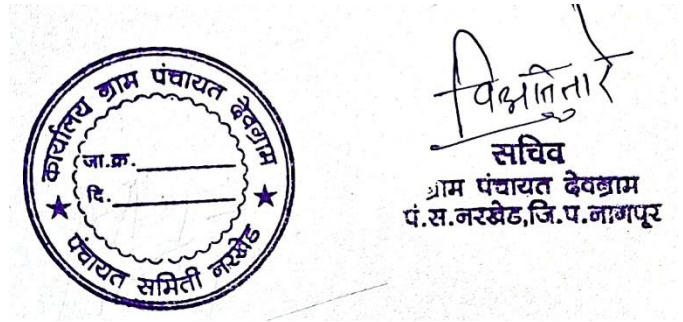
## DISCUSSION

The audit data shows that while paper waste is high in departments such as Commerce and Science, there is potential for significant improvements in recycling and digital documentation. Biomass waste is prominent in specific areas, suggesting that composting could be an effective solution. The College Canteen's food and kitchen waste indicates a need for better waste segregation and management.

Overall, implementing the recommendations from this audit can help reduce the environmental impact of the college, promote sustainability, and foster a culture of environmental responsibility within the institution. Regular monitoring and engagement with the college community will be crucial in achieving these goals.

**Place:** Devgram

**Date:** 30/04/2019



# **JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**

**Tah. Narkhed, Dist. Nagpur (Maharashtra)**

## **GREEN AUDIT REPORT** **Solid Waste Audit Year 2019- 2020**

---

### **INTRODUCTION**

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### **AIMS AND OBJECTIVES**

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### **DATA COLLECTION**

Data was collected from various sources within the college over a specific period, capturing weekly waste generation in different areas:

1. **Library**
2. **Main Office**
3. **Classrooms**
4. **Arts Department**
5. **Science Department**
6. **Commerce Department**
7. **College Canteen**



Types of waste recorded include paper, hardware paper, polythene, chalk, biomass, glass, and food waste.

## DATA ANALYSIS

**Table 1: Weekly Waste Generation in grams**

Places	Paper	Hardware Paper	Polythene	Chalk	Biomass and Other
Library	15000	00	65	00	5500
Main Office	1500	55	80	00	40000
Class Room	00	00	60	600	1300
Total	16500	55	205	600	58500

**Table 2: Weekly Department-wise Waste Generation (in grams)**

Department	Paper	Polythene	Glass	Chalk	Garden	Biomass and Other
Arts	7500	175	00	00	00	6000
Science	20000	150	1000	1000	5000	00
Commerce	7500	100	00	00	00	00
Total	35000	425	1000	1000	5000	6000

**Table 3: Weekly Waste Generation at College Canteen (in grams)**

Source	Food	Kitchen	Polythene	Glass	Hardware Paper
College Canteen	1000	2000	400	100	200
Total	1000	2000	400	100	200

## OBSERVATIONS

- Paper Waste:** The Commerce Department generates the highest paper waste, followed by the Science Department. The Library, while significant, is less than the Commerce Department.
- Biomass Waste:** The Main Office and Arts Department generate substantial biomass waste, with the Main Office having the highest amount.

3. **Polythene Usage:** Polythene waste is observed in all departments, with the highest amounts in the Commerce Department and the College Canteen.
4. **Food and Kitchen Waste:** The College Canteen generates a significant amount of food and kitchen waste, indicating potential areas for improved waste management.

## COMMENTS ON RECOMMENDATIONS

### 1. Paper Waste Reduction:

**Digital Transition:** Promote the use of digital documents and communication to reduce paper usage.

**Recycling Programs:** Implement comprehensive recycling programs for paper in all departments.

### 2. Biomass Waste Management

**Composting:** Introduce composting systems for biomass waste to recycle organic materials effectively.

### 3. Polythene Reduction:

**Alternative Materials:** Encourage the use of biodegradable or reusable alternatives to polythene.

**Awareness Campaigns:** Conduct awareness campaigns to reduce polythene usage among students and staff.

### 4. Food Waste Management:

**Food Donation:** Establish a system to donate surplus food to local charities.

**Waste Audits:** Regularly audit food waste to identify and address areas of excessive waste.

### 5. Regular Monitoring:

**Waste Tracking:** Implement a tracking system to monitor waste generation trends and the effectiveness of waste management practices.

## CONCLUSION

The solid waste audit for Jeevan Vikas Mahavidyalaya reveals areas of significant waste generation and provides a basis for enhancing waste management practices. Key areas of focus include reducing paper and polythene waste, improving biomass management, and addressing food waste at the canteen.

## DISCUSSION

The audit data shows that while paper waste is high in departments such as Commerce and Science, there is potential for significant improvements in recycling and digital documentation. Biomass waste is prominent in specific areas, suggesting that composting could be an effective solution. The College Canteen's food and kitchen waste indicates a need for better waste segregation and management.

Overall, implementing the recommendations from this audit can help reduce the environmental impact of the college, promote sustainability, and foster a culture of environmental responsibility within the institution. Regular monitoring and engagement with the college community will be crucial in achieving these goals.

**Place:** Devgram

**Date:** 30/04/2020



*पिपित्तार*  
सचिव  
ग्राम पंचायत देवग्राम  
पं.स.नरखेड, जि.प.नागपूर

# **JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**

**Tah. Narkhed, Dist. Nagpur (Maharashtra)**

## **GREEN AUDIT REPORT** **Solid Waste Audit Year – 2020-2021**

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### **INTRODUCTION**

The Green Audit of Jeevan Vikas Mahavidyalaya was conducted to assess the quantity, composition, and management of solid waste generated within the college premises. This audit aims to provide insights into waste generation patterns and offer recommendations for improved waste management practices, contributing to the institution's sustainability goals and environmental responsibility.

### **AIMS AND OBJECTIVES**

1. **Assess Waste Generation:** Determine the quantity and types of solid waste generated in various departments and facilities.
2. **Analyse Waste Composition:** Identify the components of waste to improve segregation and recycling practices.
3. **Evaluate Management Practices:** Review current waste management practices and identify areas for improvement.
4. **Provide Recommendations:** Suggest actionable measures to minimize waste generation and enhance waste management strategies.

### **DATA COLLECTION**

Data was collected from various sources within the college over a specific period, capturing weekly waste generation in different areas:

1. **Library**
2. **Main Office**
3. **Classrooms**
4. **Arts Department**
5. **Science Department**
6. **Commerce Department**
7. **College Canteen**

Types of waste recorded include paper, hardware paper, polythene, chalk, biomass, glass, and food waste.

## DATA ANALYSIS

**Table 1: Weekly Waste Generation in grams**

Places	Paper	Hardware Paper	Polythene	Chalk	Biomass and Other
Library	500	00	00	00	100
Main Office	300	10	00	00	00
Class Room	00	00	00	00	000
Total	800	10	00	00	100

**Table 2: Weekly Department-wise Waste Generation (in grams)**

Department	Paper	Polythene	Glass	Chalk	Garden	Biomass and Other
Arts	000	00	00	00	00	000
Science	00	00	100	00	4000	00
Commerce	00	00	00	00	00	00
Total	00	00	100	00	4000	00

**Table 3: Weekly Waste Generation at College Canteen (in grams)**

Source	Food	Kitchen	Polythene	Glass	Hardware Paper
College Canteen	00	00	00	00	00
Total	00	00	00	00	00

## OBSERVATIONS

1. **Due to Covid pandemic, the entry of students to college was restricted. Hence there is a drastic fall in the values**

## CONCLUSION

The solid waste audit for Jeevan Vikas Mahavidyalaya reveals areas of significant waste generation and provides a basis for enhancing waste management practices. Key areas of focus

include reducing paper and polythene waste, improving biomass management, and addressing food waste at the canteen.

**Place:** Devgram

**Date:** 30/04/2021



*विद्युत्तारे*  
सचिव  
ग्राम पंचायत देवग्राम  
पं.स.नरसोड,जि.प.नागपुर

# **JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**

**Tah. Narkhed, Dist. Nagpur (Maharashtra)**

## **GREEN AUDIT REPORT** **Solid Waste Audit Year – 2021-2022**

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5. **Science Department**
6. **Commerce Department**
7. **College Canteen**



Types of waste recorded include paper, hardware paper, polythene, chalk, biomass, glass, and food waste.

## DATA ANALYSIS

**Table 1: Weekly Waste Generation in grams**

Places	Paper	Hardware Paper	Polythene	Chalk	Biomass and Other
Library	18000	00	75	00	6000
Main Office	1500	75	80	00	40000
Class Room	00	00	60	800	1300
Total	19500	75	215	800	59000

**Table 2: Weekly Department-wise Waste Generation (in grams)**

Department	Paper	Polythene	Glass	Chalk	Garden	Biomass and Other
Arts	7500	175	00	200	00	7000
Science	20000	150	1000	1000	5000	00
Commerce	7500	100	00	00	00	00
Total	35000	425	1000	1200	5000	7000

**Table 3: Weekly Waste Generation at College Canteen (in grams)**

Source	Food	Kitchen	Polythene	Glass	Hardware Paper
College Canteen	1000	2000	400	100	100
Total	1000	2000	400	100	100

## OBSERVATIONS

- Paper Waste:** The Commerce Department generates the highest paper waste, followed by the Science Department. The Library, while significant, is less than the Commerce Department.
- Biomass Waste:** The Main Office and Arts Department generate substantial biomass waste, with the Main Office having the highest amount.

3. **Polythene Usage:** Polythene waste is observed in all departments, with the highest amounts in the Commerce Department and the College Canteen.
4. **Food and Kitchen Waste:** The College Canteen generates a significant amount of food and kitchen waste, indicating potential areas for improved waste management.

## COMMENTS ON RECOMMENDATIONS

### 1. Paper Waste Reduction:

**Digital Transition:** Promote the use of digital documents and communication to reduce paper usage.

**Recycling Programs:** Implement comprehensive recycling programs for paper in all departments.

### 2. Biomass Waste Management

**Composting:** Introduce composting systems for biomass waste to recycle organic materials effectively.

### 3. Polythene Reduction:

**Alternative Materials:** Encourage the use of biodegradable or reusable alternatives to polythene.

**Awareness Campaigns:** Conduct awareness campaigns to reduce polythene usage among students and staff.

### 4. Food Waste Management:

**Food Donation:** Establish a system to donate surplus food to local charities.

**Waste Audits:** Regularly audit food waste to identify and address areas of excessive waste.

### 5. Regular Monitoring:

**Waste Tracking:** Implement a tracking system to monitor waste generation trends and the effectiveness of waste management practices.

## CONCLUSION

The solid waste audit for Jeevan Vikas Mahavidyalaya reveals areas of significant waste generation and provides a basis for enhancing waste management practices. Key areas of focus include reducing paper and polythene waste, improving biomass management, and addressing food waste at the canteen.

## DISCUSSION

The audit data shows that while paper waste is high in departments such as Commerce and Science, there is potential for significant improvements in recycling and digital documentation. Biomass waste is prominent in specific areas, suggesting that composting could be an effective solution. The College Canteen's food and kitchen waste indicates a need for better waste segregation and management.

Overall, implementing the recommendations from this audit can help reduce the environmental impact of the college, promote sustainability, and foster a culture of environmental responsibility within the institution. Regular monitoring and engagement with the college community will be crucial in achieving these goals.

**Place:** Devgram

**Date:** 30/04/2022



# JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM

Tah. Narkhed, Dist. Nagpur (Maharashtra)

## GREEN AUDIT REPORT

### Solid Waste Audit Year – 2022-2023

#### INTRODUCTION

The Green Audit of Jeevan Vikas Mahavidyalaya was conducted to assess the quantity, composition, and management of solid waste generated within the college premises. This audit aims to provide insights into waste generation patterns and offer recommendations for improved waste management practices, contributing to the institution's sustainability goals and environmental responsibility.

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- Main Office**
- Classrooms**
- Arts Department**
- Science Department**
- Commerce Department**
- College Canteen**

Types of waste recorded include paper, hardware paper, polythene, chalk, biomass, glass, and food waste.

## DATA ANALYSIS

**Table 1: Weekly Waste Generation in grams**

Places	Paper	Hardware Paper	Polythene	Chalk	Biomass and Other
Library	15000	00	55	00	5500
Main Office	10000	100	80	00	40000
Class Room	00	00	90	900	1300
Total	25500	100	225	900	58500

**Table 2: Weekly Department-wise Waste Generation (in grams)**

Department	Paper	Polythene	Glass	Chalk	Garden	Biomass and Other
Arts	7500	175	500	00	00	7000
Science	20000	150	1000	1000	5000	00
Commerce	7500	500	00	00	00	00
Total	35000	925	1500	1000	5000	7000

**Table 3: Weekly Waste Generation at College Canteen (in grams)**

Source	Food	Kitchen	Polythene	Glass	Hardware Paper
College Canteen	5000	4000	400	100	100
Total	5000	4000	400	100	100

## OBSERVATIONS

- Paper Waste:** The Commerce Department generates the highest paper waste, followed by the Science Department. The Library, while significant, is less than the Commerce Department.
- Biomass Waste:** The Main Office and Arts Department generate substantial biomass waste, with the Main Office having the highest amount.



3. **Polythene Usage:** Polythene waste is observed in all departments, with the highest amounts in the Commerce Department and the College Canteen.
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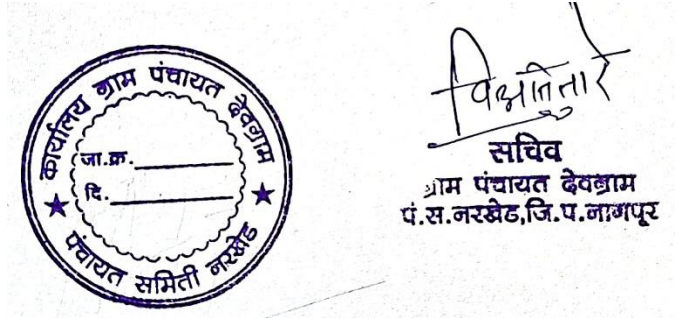
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**Place:** Devgram

**Date:** 30/04/2023





Green Dustbins in college Premise for collection of green waste







Segregation of E-Waste in College Premise







Duging pit for Organic waste in Premise





**Segregation of Solid waste in Store room**



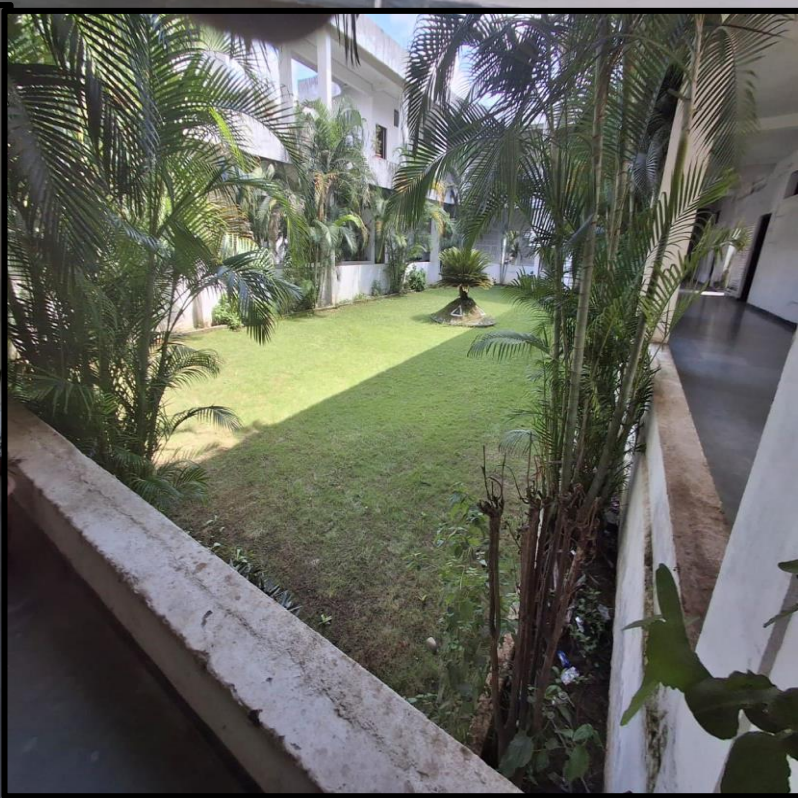






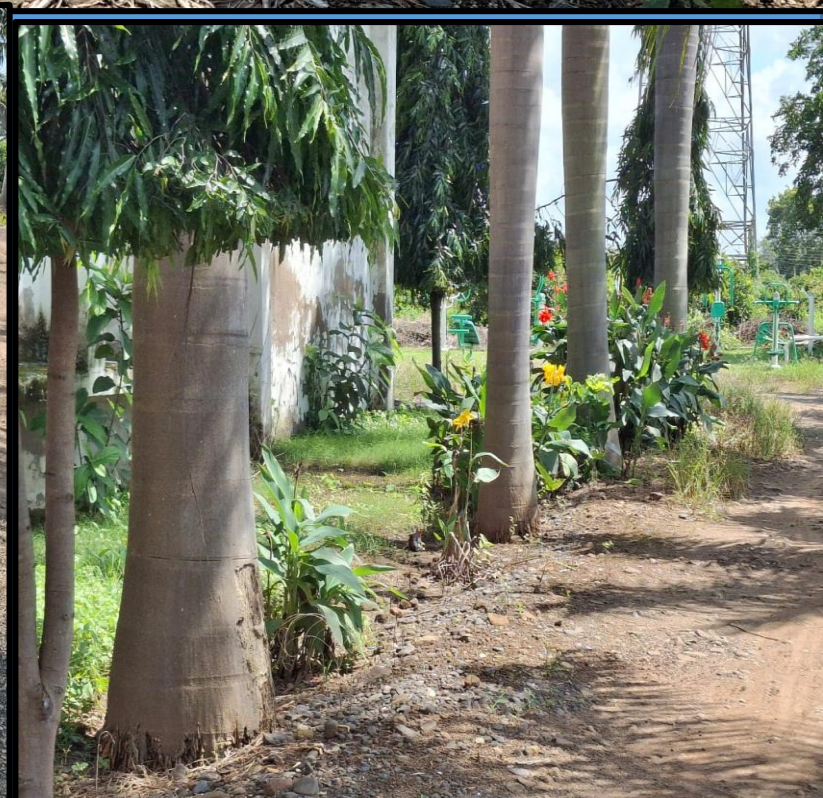


Neat, Clean, Plastic Free  
Eco-friendly Campus





**Drip Irrigation for  
Trees for Liquid  
Management**







**Water Piping  
to Stop Extra  
over flow of  
Water in water  
conservation**



**Water Piping  
to Stop Extra  
over flow of  
Water in water  
conservation**



**Rain Water  
Harvesting  
System**

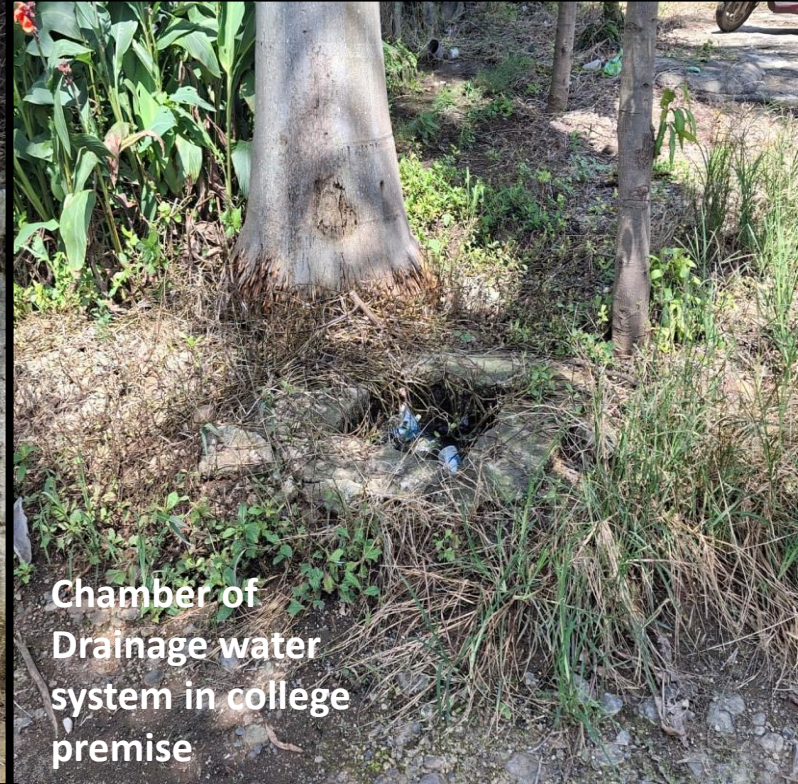


**Bore well in  
College  
premise**

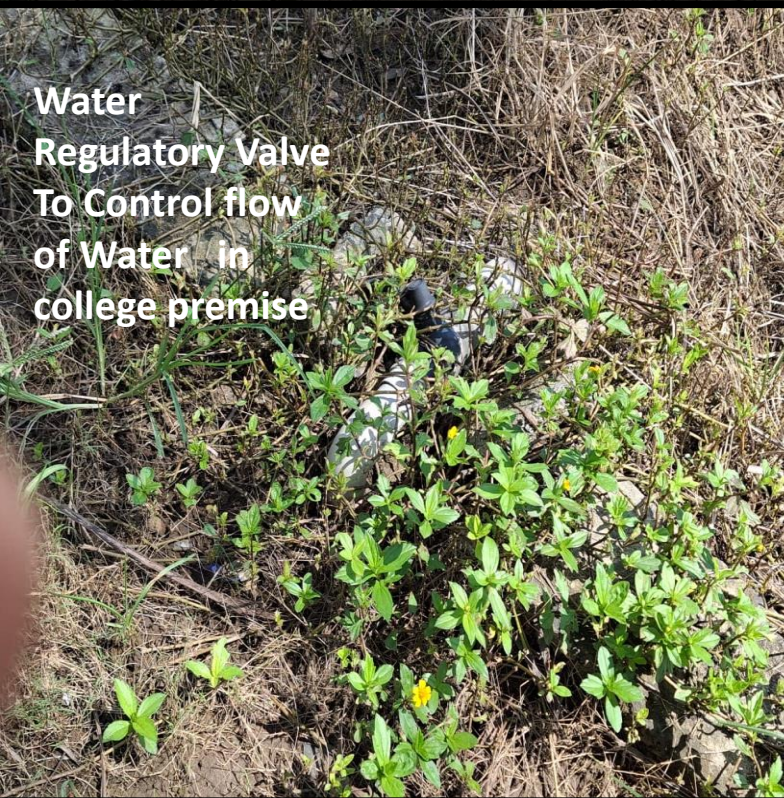




**Drainage water  
system in college  
premise**



**Chamber of  
Drainage water  
system in college  
premise**



**Water  
Regulatory Valve  
To Control flow  
of Water in  
college premise**







**Drip Irrigation for  
Trees for Liquid  
Management**



**Drip Irrigation for  
Trees for Liquid  
Management**



**Drip Irrigation for  
Trees for Liquid  
Management**





**Drip Irrigation for  
Trees for Liquid  
Management**



**Drip Irrigation for  
Trees for Liquid  
Management**



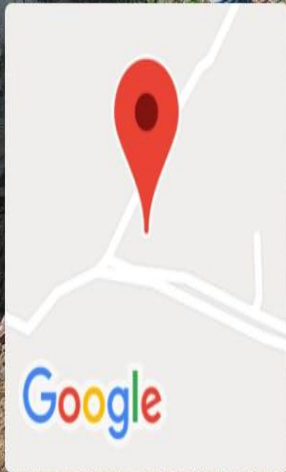


**Devgram, Maharashtra, India**  
Jeevan vikas mahavidyalaya, Devgram, Maharashtra 441303,  
India  
Lat 21.413099°  
Long 78.459387°  
22/04/22 11:50 AM



**Devgram, Maharashtra, India**  
Jeevan vikas mahavidyalaya, Devgram, Maharashtra 441303,  
India  
Lat 21.413099°  
Long 78.459387°  
22/04/22 11:55 AM





**Devgram, Maharashtra, India**

Jeevan vikas mahavidyalaya, Devgram, Maharashtra 441303,  
India

Lat 21.413099°

Long 78.459387°

22/04/22 11:47 AM



## **JEEVAN VIKAS MAHAVIDYALAYA, DEVGRAM**

**Tah. Narkhed, Dist. Nagpur-441301 (M.S.)**

### **GLIMPSES OF VARIOUS ACTIVITIES CARRIED OUT IN THE COLLEGE FOR SOIL CONSERVATION AND SOIL WASTE MANAGEMENT**

**During the academic session**

**2018-2019 to 2022-2023**

### **Content**

- Tree plantation under mission oxygen scheme.
- Orientation of students by faculty members for tree plantation and Soil conservation.
- Involvement of staff in tree plantation.
- Tree plantation at the hands of the guest.
- Tree plantation by staff members during Covid pandemic period
- Specially girl students participating in tree plantation
- Tree plantation of “Swadeshi trees” specially Neem Trees.
- Tree plantation in college campus at the hands of management members
- Cleanliness drive carried out by staff members with the help of students.
- Collection of organic waste with the help of students.
- Dump yard in the college premise for composed fertilizer.
- Scientific treatment for the conservation of trees in college campus by staff members.
- Tree plantation by women Cell of College

- Plantation by management Memer
- Tree plantation by the principle.
- Cleanliness of garden with the help of students.
- Collection of plastic in the campus.
- Plantation of herbal trees.
- Plantation of trees under '*One Student- One Tree Scheme.*'
- Cleanliness and maintenance of herbal garden.
- Tree plantation by NSS students and volunteers.
- Preparation of herbal garden.
- Tree plantation in the college campus at the hands of invited guest.
- Preparation and maintenance of Rose garden in college campus.
- College nursery created by students in the college campus.
- Maintenance of college lawn with the help of students.
- Cleanliness of college roads with the help of students.
- Plantation of trees and sapling with the help of staff and students
- Tree plantation with the help of students at barren land.
- Building of nest in college premise for birds for environmental preservation

















Thugaon, Maharashtra, India

Unnamed Road, Thugaon, Maharashtra 441303, India

Lat 21.421°

Long 78.451571°

24/09/22 11:52 AM



































































## प्लॉस्टिकमुक्त वातावरण अभियानाचा शुभारंभ

### जीवन विकास महाविद्यालयाचा उपक्रम

#### ◆ काटोल, २६ सप्टेंबर

येथून जवळच असलेल्या देवग्राम येथील जीवन विकास महाविद्यालयात राष्ट्रीय सेवा योजना दिनामित्त मंगळवार २४ सप्टेंबर रोजी प्लॉस्टिकमुक्त वातावरण अभियानाचा शुभारंभ करण्यात आला.

२ ऑक्टोबर गांधी जयंतीपर्यंत हे अभियान चालणार आहे. शुभारंभप्रसंगी गावातून रॅली काढण्यात आली. ही रॅली हनुमान मंदिर देवस्थानासमोर आली असता प्लॉस्टिक व तंबाखू खाण्याचे



अभियानात सहभागी विद्यार्थी-विद्यार्थिनी

दुष्परिणाम याबाबत गावकऱ्यांमध्ये जनजागृती करण्यात आली. नंतर महाविद्यालयातील मंजुळाबाई

सांस्कृतिक सभागृहात अभियान शुभारंभाचा कार्यक्रम घेण्यात आला. प्राचार्य डॉ. देवेंद्र भोंगाडे यांच्या

अध्यक्षतेखाली झालेल्या कार्यक्रमात प्रमुख अतिथी म्हणून डॉ. राजू श्रीरामे, प्रा. प्रवीण धारपुरे, डॉ. सचिन कडू, प्रा. भूषण विटाळकर तसेच कार्यक्रम अधिकारी डॉ. मंगेश आचार्य उपस्थित होते.

वक्ते प्रा. प्रीतम सुखदेवे यांनी प्लॉस्टिकचे मानवी जीवनावर होणारे दुष्परिणाम याबाबत मार्गदर्शन केले. डॉ. मंगेश आचार्य यांनी कार्यक्रमाचे प्रास्ताविक केल्यानंतर उपस्थित विद्यार्थ्यांना रासेयो स्वयंसेवकाची शपथ दिली. कार्यक्रमाचे संचालन प्रा. प्रणाली डंगोले यांनी, तर आभारप्रदर्शन डॉ. सचिन कडू यांनी केले. (तथा वृत्तसेवा)























GPS Map Camera



Thugaon Deo, Maharashtra, India

Unnamed Road, Thugaon Deo, Maharashtra 441303, India

Lat 21.411556°

Long 78.458321°

19/10/22 03:35 PM



GPS Map Camera



Thugaon Deo, Maharashtra, India

Unnamed Road, Thugaon Deo, Maharashtra 441303, India

Lat 21.411556°

Long 78.458321°

19/10/22 03:35 PM















## देवग्राममध्ये प्लास्टिकमुक्ती व ग्रामस्वच्छता अभियान



### थडीपवनी

जीवन विकास महाविद्यालय देवग्रामच्या राष्ट्रीय सेवा योजना पथकाच्या माध्यमातून देवग्राम येथे ग्राम स्वच्छता अभियान राबविण्यात आले. प्राचार्य डॉ. देवेंद्र भोंगाडे यांनी ग्रामस्वच्छता अभियानाला प्रारंभ केला. या अभियानात बी.ए., बी.एस्सी, बी.कॉम, एम.ए., एम.एस्सी तर कनिष्ठ महाविद्यालयातील कला, वाणिज्य व विज्ञान या सर्व शाखेच्या विद्यार्थ्यांनी सहभाग घेतला. नवीन आणि जुनी वस्ती देवग्राममध्ये प्लास्टिकमुक्त पर्यावरण, ग्रामस्वच्छता, उकिरड्यांची विल्हेवाट, गाजर गवत निर्मूलन, केरकचऱ्याची विल्हेवाट लावण्यात आली. मोहिमेदरम्यान, दोन्ही वस्त्यांतील कुटुंबाचे कौटुंबिक, आर्थिक, सामाजिक व राजकीय अध्ययनासाठी सर्वेक्षण करण्यात आले. या अध्ययनामध्ये उच्चविद्या शाखेतील विद्यार्थ्यांनी सक्रिय सहभाग घेतला. हनुमान मंदिर देवस्थान जुनी वस्ती येथे स्वच्छता मोहीम अभियानाचा समारोप झाला. याप्रसंगी देवग्राम सरपंच, उपसरपंच सर्व सदस्य तथा ग्रामसेवकांची उपस्थिती होती. यशस्वितेसाठी कनिष्ठ महाविद्यालयातील प्राध्यापक, तसेच वरिष्ठ महाविद्यालयातील प्राध्यापकांनी सहकार्य केले.

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## जीवन विकासमध्ये

# पर्यावरणपूरक होळी कार्यशाळा

## वनस्पतीशास्त्र विभागाचे आयोजन



नरखेड, वार्ताहर. होळी व धुलीवंदन नैसर्गिक रंगाने साजरा करावा, या उद्देशाने जीवन विकास महाविद्यालयातील वनस्पतीशास्त्र विभागात प्राचार्य डॉ.देवेंद्र भोंगाडे यांच्या अध्यक्षतेखाली पर्यावरणपूरक होळी कार्यशाळेचे आयोजन करण्यात आले. कार्यशाळेत प्रा.प्रीतम सुखदेवे यांनी विद्यार्थ्यांना पर्यावरणपूरक होळीचे महत्त्व व वृक्षतोड न करता होळी साजरी करावी, रासायनिक रंग न वापरता नैसर्गिक रंग वापरून रंगपंचमी साजरी करण्याचे आवाहन वापरून रंगपंचमी साजरी करण्याचे आवाहन केले. प्रा.भावना यावले यांनी विविध वनस्पतीची पाने, फुले, फळे व सालिंपासून रंग बनविण्याचे प्रात्यक्षिक विद्यार्थ्यांना दाखविले. यामध्ये पळस,

जास्वंद, गुलाब, झेंडू यांची फुले पालकाची पाने, फळे, बीट आदी वनस्पतीच्या उपयोगातून रंग तयार करण्यात आले. पर्यावरणाचा ऱ्हास थांबविण्यासाठी पाण्याचा वापर न करता नैसर्गिक रंगाचा वापर करून यावर्षाची होळी साजरी करू, अशी शपथ विद्यार्थ्यांनी घेतली. प्राचार्य डॉ.भोंगाडे यांनी होळीमागील शास्त्रीय रचनेबद्दल मार्गदर्शन केले. कार्यशाळेला आयोजक प्रा.भावना ताथोडे, सहयोगी प्रा.चेतन सुरसूजे, अक्षय गणोरकर, सुमित गुरचल, अजय खारपटे, नंदकिशोर चरपे, शीतल राऊत, लीना नानोटकर, चेतना रेवतकर, काजल मडकवाडे, रुमानी कळंबे व विद्यार्थी उपस्थित होते.























## इको फ्रेंडली पॉट मेकिंग उपक्रम का शुभारंभ

■ नरखेड (सं.) पर्यावरण को नुकसानदायक प्लास्टिक से बढ़ती समस्या को लेकर और प्लास्टिक प्रतिबंधित करने के लिए इको फ्रेंडली पॉट मेकिंग जैसे नवीनतम उपक्रम की अत्यंत जरूरत है. ऐसा प्रतिपादन जीवन विकास महाविद्यालय के उपप्राचार्य डॉ. राजू श्रीरामे ने किया. अंत्योदय मिशन द्वारा संचालित जीवन विकास महाविद्यालय के महिला अध्ययन केंद्र के माध्यम से महान सामाजिक कार्यकर्ता सिंधुताई सपकाल और पं.जवाहरलाल नेहरू की जयंती के उपलक्ष्य पर इको फ्रेंडली पॉट मेकिंग नवीनतम उपक्रम का शुभारंभ किया गया. इस अवसर पर डॉ.दीपक अरजपुरे की उपस्थिति में प्रा. सुषमा पराये के मार्गदर्शन में अध्ययन केंद्र की स्वयंसेविकाओं द्वारा गोबर, भूसा और मिट्टी को मिलाकर इको फ्रेंडली पॉट बनाये गये. प्लास्टिक मुक्त मुहिम शुरू करने के उद्देश से इस उपक्रम की शुरुआत की गई.



डॉ. राजू श्रीरामे, डॉ. दीपक अरजपुरे, डॉ. प्रवीन धारपुरे, डॉ. मंगेश आचार्य, डॉ. योगेश सरोदे, डॉ. कल्याणी ठाकरे और अन्य सभी प्राध्यापकों की उपस्थिति रही. प्रा. प्रणाली इंगोले ने 'इको फ्रेंडली पॉट मेकिंग' उपक्रम के आयोजन के पीछे की भूमिका स्पष्ट की. उपस्थित अतिथियों ने पॉट मेकिंग उपक्रम में शामिल छात्राओं की सराहना की.



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## नवराष्ट्र

# आयुर्वेदिक वनस्पती प्रदर्शनी, वृक्षारोपण



■ नरखेड, वार्ताहर. देवग्राम येथील जीवन विकास महाविद्यालयातील वनस्पतीशास्त्र विभागाच्या वतीने आयुर्वेदिक वनस्पतीची प्रदर्शनी आणि वृक्षारोपणाचे आयोजन करण्यात आले. उदघाटन महाविद्यालयाचे प्राचार्य डॉ. देवेंद्र भोंगाडे यांनी केले. सुत्रसंचालन श्रध्दा बागडे, प्रास्ताविक वनस्पती शास्त्र प्रमुख प्रा. भावना यावले यांनी केले. यावेळी प्रमुख उपस्थिती म्हणून डॉ. राजू श्रीरामे यांनी विद्यार्थ्यांना

आयुर्वेदिक वनस्पतीचे उपयोग आणि त्याचे महत्व यावर मार्गदर्शन केले. डॉ. मंगेश आचार्य, डॉ. योगेश सरोदे, प्रा. प्रितम सुखदेवे, डॉ. कलानी ठाकरे, प्रा. प्रणाली इंगोले यांनी विद्यार्थ्यांना शुभेच्छा दिल्या. विज्ञान विभागातील बी.एससी भाग 1,2,3 च्या विद्यार्थ्यांनी महाविद्यालयातील वनस्पती उद्यान येथे आयुर्वेदिक वनस्पतीने वृक्षारोपण केले. उपस्थितांचे आभार प्रा. भावना ताथोडे यांनी मानले.





## नवराष्ट्र

# जीवन विकास महाविद्यालयात विविध कार्यक्रम

नरखेड, वार्ताहर. पर्यावरणाला हानिकारक असलेल्या प्लास्टिकच्या वाढत्या समस्येला प्रतिबंध करण्यासाठी 'इको फ्रेंडली पॉट' मेकिंग यासारख्या नाविन्यपूर्ण उपक्रमांची नितांत आवश्यकता असल्याचे प्रतिपादन जीवन विकास महाविद्यालयाचे उपप्राचार्य डॉ. राजू श्रीरामे यांनी केले. अंत्योदय मिशन व्दारा संचालित



जीवन विकास महाविद्यालयाच्या महिला अध्ययन केंद्रामार्फत महान सामाजिक कार्यकर्त्या सिंधुताई सपकाळ तसेच स्वतंत्र भारताचे पहिले पंतप्रधान पंडित जवाहरलाल नेहरू यांच्या जयंतीचे औचित्य साधून 'इको फ्रेंडली पॉट मेकिंग' या नाविन्यपूर्ण उपक्रमाचा शुभारंभ करण्यात आला. याप्रसंगी डॉ. दीपक अरजपुरे यांच्या उपस्थितीत महिला अध्ययन केंद्राच्या

स्वयंसेविकांनी प्रा. सुषमा पराये यांच्या मार्गदर्शना अंतर्गत शेण, भूसा आणि माती यांच्या सहाय्याने 'इको फ्रेंडली पॉट' बनविले. दिवसेंदिवस पृथ्वीवर प्लास्टिकचे वाढते प्रमाण आणि त्यामुळे पर्यावरणाची होणारी हाणी लक्षात घेता 'प्लास्टिक फ्री' मोहिम आपल्यापासून सुरु करावी, या उद्देशाने हा उपक्रम राबविण्यात आला. याप्रसंगी डॉ. राजू श्रीरामे, डॉ. दीपक अरजपुरे, डॉ. प्रवीन घारपुरे, डॉ. मंगेश आचार्य,

डॉ. योगेश सरोदे, डॉ. कल्याणी ठाकरे आणि इतर सर्व प्राध्यापक वर्ग उपस्थितीत होता. प्रा. प्रणाली इंगोले यांनी 'इको फ्रेंडली पॉट मेकिंग' या उपक्रमाच्या आयोजनामागील भूमिका स्पष्ट केली. प्रा. सुषमा पराये यांनी 'इको फ्रेंडली पॉट' बनविण्याची प्रक्रिया समजावून सांगितली. उपस्थितीत मान्यवरांनी इको फ्रेंडली पॉट मेकिंग या उपक्रमात सहभागी विद्यार्थिनींचे कौतुक केले.





## नवराष्ट्र

# देवग्राम येथे विशेष श्रमसंस्कार शिबिर

नरखेड, वार्ताहर. जीवन विकास महाविद्यालयाच्या राष्ट्रीय सेवा योजनेचे विशेष श्रमसंस्कार शिबिर देवग्राम येथे पार पडले. पाच दिवशीय शिबिराचे उद्घाटन आदित्य लोहे यांच्या हस्ते पार पडले. अध्यक्षस्थानी खुशाल गिरडे हे होते. याप्रसंगी व्यासपीठावर रमेश लोहे, प्रभाकर बोंद्रे, प्रा. नागेश ढोबळे, सदानंद गिरडे, प्राचार्य डॉ. देवेंद्र भोंगाडे, उपप्राचार्य डॉ. राजू श्रीरामे, कार्यक्रम अधिकारी डॉ. मंगेश आचार्य तथा डॉ. प्रणाली इंगोले व्यासपीठावर उपस्थित होते. शिबिरांतर्गत देवग्राम येथे ग्रामस्वच्छता रॅली, स्वच्छता मोहीम, गांजर गवत निर्मुलन, मंदिर जीर्णोद्धार आणि स्वच्छता, नदी स्वच्छता तथा पाणी परीक्षण, सेंद्रिय शेतीची माहिती, ग्रामपंचायत भेट, चक्रधर स्वामींच्या जीवनावरचे संशोधन आदी उपक्रम हाती घेण्यात आले. दरम्यान विविध स्पर्धा देखील घेण्यात आल्या.



बौध्दिक सत्रामध्ये प्रा. खुशाल चोरे यांचे सेंद्रिय शेती आणि शेती विकास, प्रा. अशोक कापसे यांचे राष्ट्रीय सेवा योजना व व्यक्तिमत्व विकास, प्रा. प्रशांत डाखोळे यांचे कौशल्य विकास व रोजगाराच्या संधी प्रा. शितल राऊत यांचे संगणक कौशल्य व रोजगार संधी या विषयावर व्याख्याने झाली. राष्ट्रीय सेवा योजनेच्या श्रमसंस्कार शिबिराचा समारोपीय सोहळ्याचे अध्यक्ष

स्थान प्रा. नागेश ढोबळे यांनी भुषवले. प्रमुख वक्ते म्हणून रविकांत वाविस्कर मुख्याध्यापक यांना आमंत्रित करण्यात आलेले होते. याप्रसंगी व्यासपीठावर महाविद्यालयाचे प्राचार्य डॉ. देवेंद्र भोंगाडे, उपप्राचार्य डॉ. राजू श्रीरामे, मराठी विभाग प्रमुख प्रा. प्रवीण घारपुरे कार्यक्रम अधिकारी डॉ. मंगेश आचार्य डॉ. योगेश सरोदे डॉ. दीपक अरजपुरे उपस्थित होते. यशस्वीतेमध्ये डॉ. कल्याणी ठाकरे, प्रा. प्रीतम सुखदवे, प्रा. चेतन सुरजुसे, अजय खरपाटे, अभय धोटे, अक्षय गणोरकर, भावना येवले, भावना तातोडे, रुमानी कळंबे, सुषमा पराये, शितल राऊत, खिजर पठाण, प्रा. रेवतकर, नंदकिशोर चरपे, प्रा. अशोक कापसे, खुशाल चोरे, जया अरजपुरे, प्रा. देवेंद्र वासाडे, राजू इंगळे, गणेश लोखंडे, रेखा दोडके, तसेच रासेयो स्वयंसेवकांनी अथक परिश्रम घेतले.





**Energy Audit Report**  
**Jeevan Vikas Mahavidyalaya, Devgram**  
**(Thugaondeo), Nagpur, Year 2020-21**



## **ENERGY AUDIT REPORT**

### **CONSULTATION REPORT**



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## **ACKNOWLEDGEMENT**

Empirical Exergy Private Limited (EEPL), Indore (M.P) takes this opportunity to appreciate & thank the management of **Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur** for giving us an opportunity to conduct energy audit for the college.

We are indeed touched by the helpful attitude and co-operation of all faculties and technical staff, who rendered their valuable assistance and co-operation the course of study.



**Rajesh Kumar Singadiya**

(Director)

M.Tech (Energy Management), PhD (Research Scholar)  
Accredited Energy Auditor [AEA-0284]  
Certified Energy Auditor [CEA-7271]  
(BEE, Ministry of Power, Govt. of India)  
Empanelled Energy Auditor with MPUVN, Bhopal M.P.  
Lead Auditor ISO50001:2011 [EnMS) from FICCI, Delhi  
Certified Water Auditor (NPC, Govt of India)  
Chartered Engineer [M-1699118], The Institution of Engineers (India)  
Member of ISHRAE [58150]






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**CERTIFICATION OF ACCREDITATION**



**BUREAU OF ENERGY EFFICIENCY**

Examination Registration No.: ..... **EA- 7271** .....

Accreditation Registration No.: ..... **AEA-284** .....



**Certificate of Accreditation**

This is to certify that Mr./Ms. **Shri. Rajesh Kumar Singadiya** ..... having its trade/registered office at ..... has been given accreditation as accredited energy auditor. The certificate shall be effective from ..... **9<sup>th</sup>** day of **May, 2018** .....


The certificate is subject to the provisions of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

This certificate shall be valid until it is cancelled under regulation 9 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

On cancellation, the certificate of accreditation shall be surrendered to the Bureau within fifteen days from the date of receipt of order of cancellation.

Your name has been entered at AEA No. .... **284** ..... in the register of list of accredited energy auditors. Your name shall be liable to be struck out on the grounds specified in regulation 8 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

Given under the seal of the Bureau of Energy Efficiency, Ministry of Power, this **5<sup>th</sup>** day of **October, 2018**

  
Secretary,  
Bureau of Energy Efficiency  
New Delhi



## EXECUTIVE SUMMARY

The executive summary of the energy audit report furnished in this section briefly gives the identified energy conservation measures and other recommendation during the project that can be implemented in a phased manner to conserve energy, increase productivity inside the college campus.

### ENERGY MANAGEMENT INITIATIVE TAKEN BY COLLEGE

#### ✚ Energy awareness & poster Presentation

Implementing energy saving techniques is ensured by checking that all the lights and fans are switched off by floor peons and staff after completion of the work of the day. Classrooms are having small green patches adjacent to each room for freshness and are made with sufficient cross ventilation and light so that the use of electricity can be minimized. Slogans like “Save Power”, “To save Energy is to create Energy” are displayed in the classrooms. This shows the institution’s commitment towards energy conservation.

### RECOMMENDATION FOR IMPROVEMENT

#### ✚ Alternate Energy Initiatives (Renewable energy sources)

The college campus has total power requirement of 3KW. Out of which 2.2 KW is required for bulbs and near about 0.3 KW is required for others. The Institute has planned to install Solar Power Energy set up for the entire college building and campus.

It is recommended

#### ✚ LIGHTING SYSTEM:

Management has adapted procurement policy for energy efficiency / BEE star rated product in the collage premises. **It’s APPRECIABLE.**





## AREA OF IMPROVEMENT

### GRID CONNECTED ROOF TOP SOLAR PV SYSTEM

There is good potential for installation of 4 KWp grid connected roof solar system under “Net Metering Polices of Maharashtra Government”. Expected solar energy generation by recommended system will be 5,760 unit per year @ 4 units per day per KWp.

Case Study No.	Section	Identification	Observation	Recommendation	Annual energy saving (kWh)	Annual cost saving (Rs.)	Investment (Rs.)	Simple payback Period (Year)
01	Electrical room	Potential for solar project as per Net Metering policy	100 % Energy taken from MSEDCL	4 KWp grid connected solar roof top system .	5,760 KWh Generation annual	55,000	1,80,000/	3.2
<b>Total</b>						55,000	1,80,000/	3.2



#### **✚ Replacement of conventional Lighting**

- Replace old AC's with BEE star rated air conditioners to save electricity.
- Reduce/ optimized adjust the power, standby, and sleep settings for printer & laptop PC to save electricity.

#### **✚ TIMER CONTROLLED STREET LIGHTS**

Installation of “Timer control on street lighting” in college campus is recommended.

#### **✚ CEILING FAN AND EXHAUST FAN:**

- Replacement of “conventional ceiling fan (80W)” by energy efficient star rated fan or BLDC based energy efficient fan (28W) in “all departments classes” have great potential for energy saving.
- Replacement of “conventional exhaust fan (60 Watt)” by energy efficient star rated fan or BLDC based energy efficient Fan (20 Watt) in all departments classes and faculties cabin have great potential for energy saving.

#### **✚ IOT BASED ENERGY MONITORING SYSTEM AT MAIN FEEDER**

- Installation of “Cloud based (IoT based) energy monitoring system” including harmonic measurement (total voltage and current harmonic distortion %) in power house will be good initiate for energy monitoring as well as student demo project for management. Expected energy saving potential about 2 to 4%.

#### **✚ Energy Management Workshop and Training:**

- Develop energy management policies for college. Establish a procurement policy that is energy saving and eco-friendly.
- Conduct awareness and training programs for faculty, student and non-teaching staffs. Conduct seminars, workshops and exhibitions on energy management education.
- Involve All Stakeholders- Encourage involvement of government, foundations, and industry in supporting interdisciplinary research, education, policy formation, and information exchange in energy management system.





## **CHAPTER-1**

### **INTRODUCTION**

#### **1.1 About College**

Jeevan Vikas Mahavidyalaya, Devgram is run by the society, “Antyoday Mission”, established by Hon’ble Dr.BhausahabBhoge in 1972. The college was started in 1996 with mere 40 students in Arts faculty and now it has Arts, Commerce, Science & B.Voc faculties including PG Courses serving more than 1300 students under the guidance of Dr. Devendra S. Bhongade, Principal. It is constantly marching in all fronts bringing laurels at state and national level. It is the matter of great proud that at present the college runs thirteen subjects at BA – Marathi, English, Marathi Literature, English Literature, Economics, Pol. Science, Sociology, History, Geography, Music, Home Economics, Library Science and Military Science; four subjects at MA- English, Marathi, Economics and Political Science; six subjects at B.Com (Marathi Medium)- English, Marathi, Financial Accounting, Business Organization, Business Economics and Company Law; nine subjects at B.Sc. (English Medium)- English, Marathi, Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science and Zoology; four subjects at UGC sponsored skill-based B.Voc. Degree Programme- Food Processing & Engineering, Software Development, Building Technology and Automotive; three subjects at UGC Funded Community College- Automotive, Software Technology and Dress Designing. At Junior College level, the college has six subjects in Arts Faculty (Marathi Medium) – English, Marathi, Economics, History, Political Science and Sociology; six subjects in Commerce Faculty (Marathi Medium) – English, Marathi, Economics, Secretarial Practice, Co-operation, Book-keeping & Accountancy. In science (English Medium), the college runs two groups. Group – I (General Science) has six subjects- English, Marathi, Chemistry, Biology, Physics and Mathematics and Group – II (Bi-focal) has five subjects in Fishery- English, Chemistry, Biology, Physics, Fresh Water & Fish Culture and five subjects in Computer Science – English, Chemistry, Physics, Mathematics & Computer Science. Apart from these, the college conducts few Career oriented Value-added Courses, Add-on Courses and Self-finance Certificate, Diploma and Advance Diploma Courses. The college has widened its aura starting YCMOU courses in Arts and Commerce faculties affiliated to Nashik Deemed College. All these courses are efficiently enhancing the profile of the college. UGC sponsored skill-based and Career oriented courses opened many new career avenues for the students in global scenario. The college has the pride to have Permanent Affiliation; 2(f) & 12(B); ISO 9001: 2015 Certification, NIRF Participation and



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accredited by NAAC in Cycle-II at 'B++' Grade (CGPA 2.93). CLL and NSS Wings add feather in the hat. The college boasts on well- qualified and experienced teachers involved in promoting the research culture. Auditorium, Open Gymnasium and Green Gym, vast playground & lush green campus with Wi-Fi connectivity and CCTV protected campus add to the beauty of the institution and make the campus safe and secured from girls' point of view. Advanced Library and modern Computer Lab are always open 24 \*7 for students preparing for competitive examinations. The college has become an educational hub coping the demands and satisfying the needs of the region and hence it has got new coinage as one of the best Educational Institutions in the college and Vidarbha region working for Antyoday students. The college is situated at Jalalkheda –Mowad State Highway in Nagpur district of Maharashtra 5 Kms towards North of Jalalkheda. The nearest railway station Narkhed is 18 Kms and the nearest airport Nagpur is 90 Kms from the college. Apart from these, the regular MSRTC buses and private taxis ply continually.

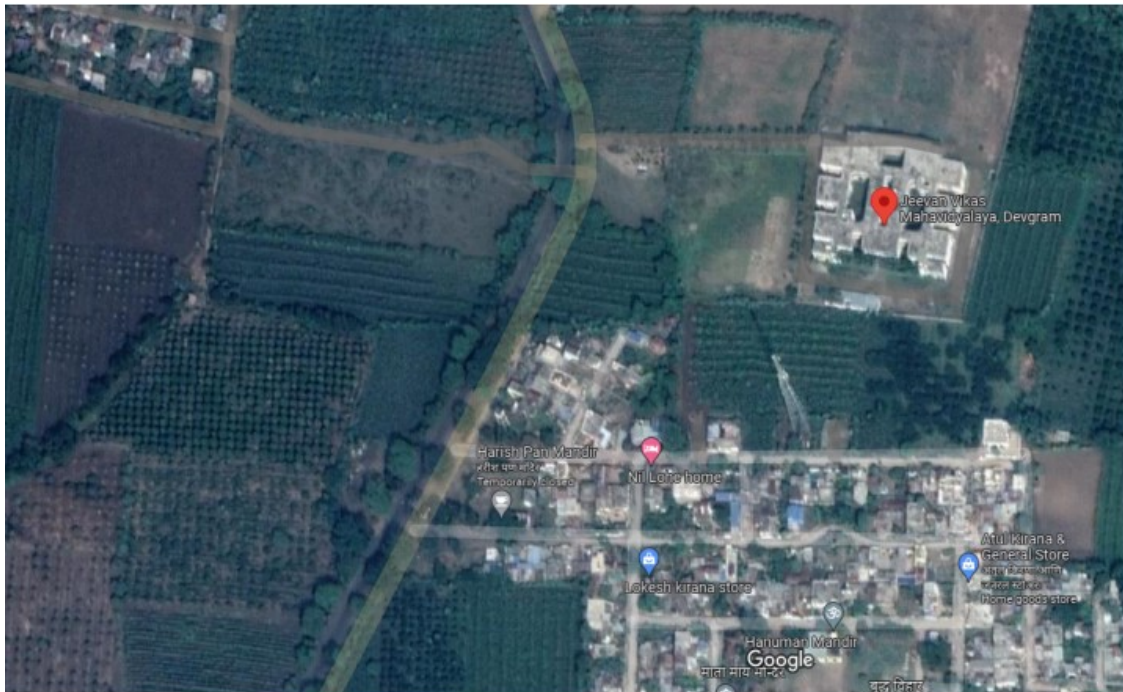


Figure 1.1: - Satellite Image of college from Google map





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### **Vision**

The vision of the institution is “Unto the Last”. i.e. To provide academic services to financially backward, deprived students and specially girls students of local community and nearby villages through qualitative and valuable education and work for Antyodaya (poor, needy and downtrodden) people in the community.

### **Mission**

The mission of our institution is in tune with the objectives of higher education policies of the nation. For instance, the institute provides qualitative and valuable higher education to the students of rural, tribal and hilly areas. Through the curricular and extra-curricular activities, the college is pledged to develop overall skills and personality of the students to make them self-reliant and ideal citizen by discharging social and moral responsibilities.

The following mission statements aim at translating college-vision into missionary activities-

1. To impart qualitative and valuable service in the field of education to the residents of Devgram and nearby areas in general language.
2. To attempt community and social development through infrastructure facilities of the institution.
3. To ensure and inculcate perfect discipline in terms of regularity, sincerity and punctuality amongst the students. So that they contribute to the society and nation as the most responsible and respectable citizen.
4. To aim at overall personality development of the students through extra-curricular activities.
5. To provide platform for the students by giving them an opportunity to face all the challenges of the competitive world with utmost utilization of their potential in sports and other events.
6. To adopt Antyodaya students in rural, tribal and hilly areas to give them social justice, opportunities.



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**1.2 College Layout Of Various Buildings**

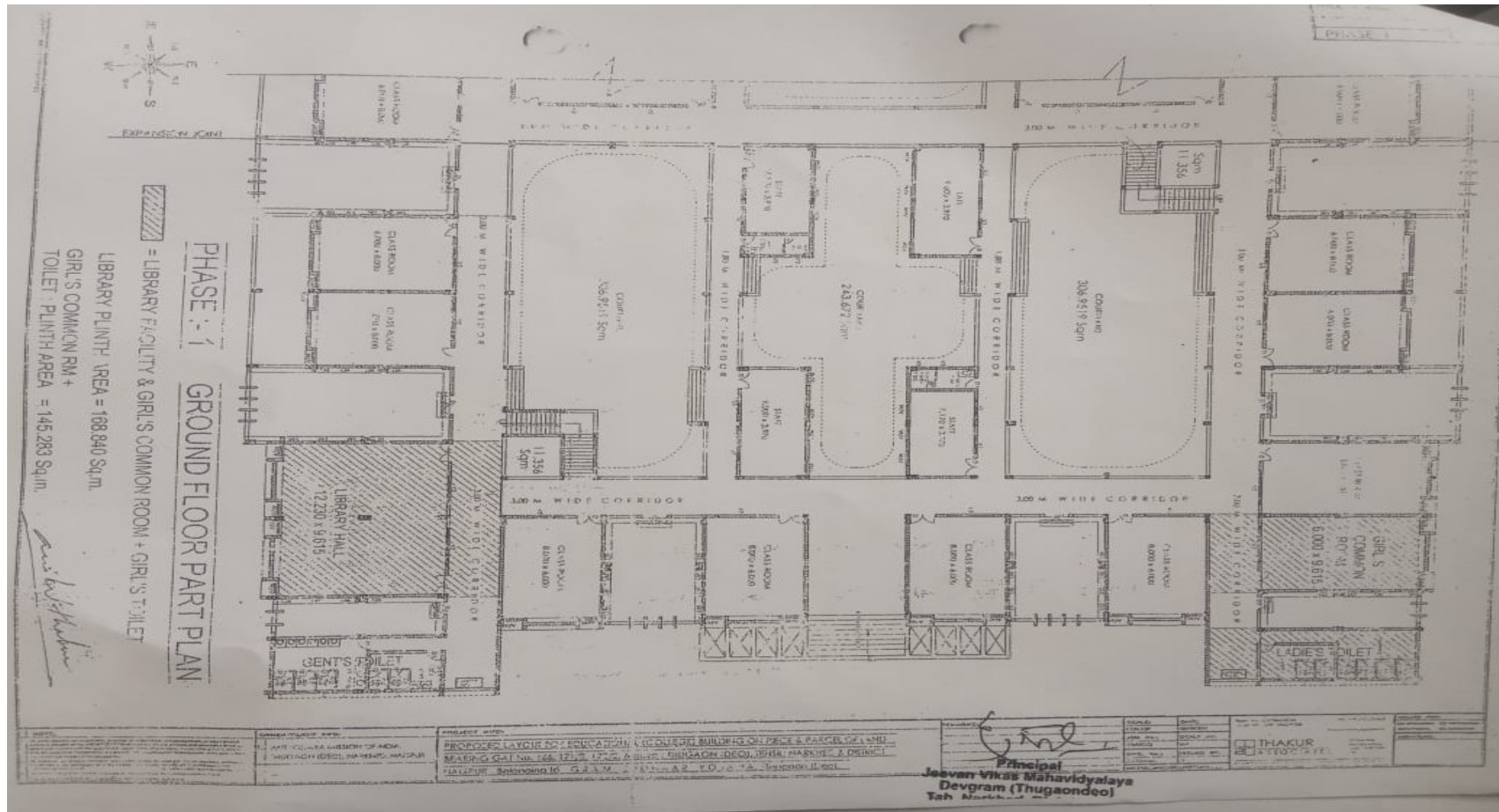


Fig-1.2 Layout map of college






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### 1.3 Green Monitoring Committee

Antyoday Mission's  
**Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo)**



Tah. Narkhed, Distt. Nagpur- 441 301 (M.S.)  
(Permanent Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)  
College Code: 341  
(NAAC Accredited in Cycle II at 'B++' Grade, CGPA 2.93)  
ISO 9001:2015 Certified, NIRF Participated

Website: [www.jvmd.co.in](http://www.jvmd.co.in) E-mail: [jvmthugaondeo@gmail.com](mailto:jvmthugaondeo@gmail.com)


JVMD/ Q/2021 Date:- 02/07/2021

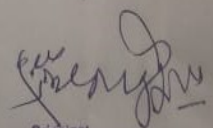
**Energy, Environmental & Green Audit Committee:**

Energy, Environmental & Green Audit Committee will consist of the following faculty and staff.

Sr. No.	Name of the Faculty	Designation
1	Dr. Devendra Bhongade	Chairperson
2	Dr. Deepak Arajpure	Member
3	Dr. Mangesh Acharya	Member
4	Dr. Yogesh Sarode	Member
5	Miss. Pranali Ingole	Member
6	Dr. Kalyani Thakre	Member
7	Mr. Pritam Sukhdeve	Member
8	Mr. Raju Ingale	Member
9	Mr. Devendra Wasade	Member
10	Mr. Sachin Darokar	Member
11	Mr. Rupesh Shekar	Member

Time duration for this committee is 03 years after which the committee will be reconstituted.



  
Principal  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur




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**1.4 Integrated Energy, Environmental Green & waste management policy**

Antyoday Mission's  
**Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo)**

 **Tah. Narkhed, Distt. Nagpur- 441 301 (M.S.)**  
(Permanent Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)  
**College Code: 341**  
(NAAC Accredited in Cycle II at 'B++' Grade, CGPA 2.93)  
ISO 9001:2015 Certified, NIRF Participated

Website: [www.jvmd.co.in](http://www.jvmd.co.in) E-mail: [jvmthugaondeo@gmail.com](mailto:jvmthugaondeo@gmail.com)


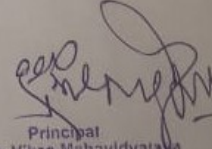
JVMD/ Date:- 10/03/2019

**Integrated Energy, Environmental Green and Waste Management Policy**

Management of our institution is committed to go green for making our nation to *Atma-Nirbhar* (i.e., Self-Sustainable) in the area of energy and environment.

Our Emphasis is to:

1. Ensure continual enhancements in our energy and water conservation methods and usage.
2. Procure and use energy efficient equipment and products.
3. Continuously monitoring the energy consumption patterns through periodic reviews & using latest information systems.
4. Create awareness regarding necessity of energy conservation and making environment pollution free to all staff and students on a regular basis by arranging trainings, workshops, seminars, quiz, competitions, etc.
5. Carry out regular energy, environment and green audits by certified auditors to identify key areas of improvements.

   
Principal  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur





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### **1.5 The Audit Team**

The study team constituted of the following senior technical executives from Empirical Exergy Private Limited,

- ✚ Mr. Rajesh Kumar Singadiya, [Director & Accredited Energy Auditor , AEA-0284]
- ✚ Mr. Rakesh Pathak, [Director]
- ✚ Mrs. Laxmi Raikwar Singadiya, [Energy Engineer]
- ✚ Mr. Lokesh Kumar Verma, [ Project Engineer]
- ✚ Mr. Ajay Nahra, [Site Engineer]

### **1.6 About Energy Audit**

Energy audit helps to understand more about the ways energy is used in any plant and helps in identifying areas where waste may occur and scope for improvement exists. The overall energy efficiency from generation to final consumer becomes 50%. Hence one unit saved in the end user is equivalent to two units generated in the power plant.

Energy audit is the most efficient way to identify the strength and weakness of energy management practices and to find a way to solve problems. Energy audit is a professional approach in utilizing economic, financial, and social and natural resources responsibility. Energy audits “adds value” to management control and is a way of evaluating the system.

Empirical Exergy Private Limited (EEPL), Indore M.P. carried out the “Energy Audit” at the site to find gaps in the energy consumption pattern for Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur. A technical report is prepared as per the need and the requirement of the project.

### **1.7 Objectives of Energy Auditing**

An energy audit provides vital information base for overall energy conservation program covering essentially energy utilization analysis and evaluation of energy conservation measures. It aims at:

- Identifying the quality and cost of various energy inputs.
- Assessing present pattern of energy consumption in different cost centers of operations.
- Relating energy inputs and production output.
- Identifying potential areas of thermal and electrical energy economy.
- Highlighting wastage in major areas.



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- Fixing of energy saving potential targets for individual cost centers.
- Implementation of measures for energy conservation & realization of savings.

### **1.8 Methodology:**

Methodology adopted for achieving the desired objectives viz.: Assessment of the current operational status and energy savings include the following:

- ✚ Discussions with the concerned officials for identification of major areas of focus and other related systems.
- ✚ Team of engineers visited the site and had discussions with the concerned officials / supervisors to collect data / information on the operations and load distribution within the plant and same for the overall premises. The data was analyzed to arrive at a base line energy consumption pattern.
- ✚ Measurements and monitoring with the help of appropriate instruments including continuous and / or time-lapse recording, as appropriate and visual observations were made to identify the energy usage pattern and losses in the system.
- ✚ Trend analysis of costs and consumptions.
- ✚ Capacity and efficiency test of major utility equipment's, wherever applicable.
- ✚ Estimation of various losses
- ✚ Computation and in-depth analysis of the collected data, including utilization of computerized analysis and other techniques as appropriate were done to draw inferences and to evolve suitable energy conservation plan/s for improvements/ reduction in specific energy consumption.

### **1.9 Present Energy Scenario:**

College uses energy in the form of electricity purchased from grid connected system. The electricity bill is based on the 73/LT-X B10-20 KW Public service oth. The college has contract demand of 4KW.

Total billing amount of electricity bill of College has been found to be about INR 3,09,410/- for 12 months analysis period from July - 2020 to June- 2021.





## CHAPTER- 2 ELECTRICITY BILL ANALYSIS

### 2.1 Annual Energy Consumption of College ( 2 Year)

Electricity bills of last One years were analysed. Detailed of unit consumption, annual average power factor and annual per unit charges are determined as follow:

Table -2.1 Annual Energy Consumption of College ( 2 Year)

SR.NO.	Year	Annual Energy Consumption (KWh)
1	2019-20	3,734
2	2020-21	6,846

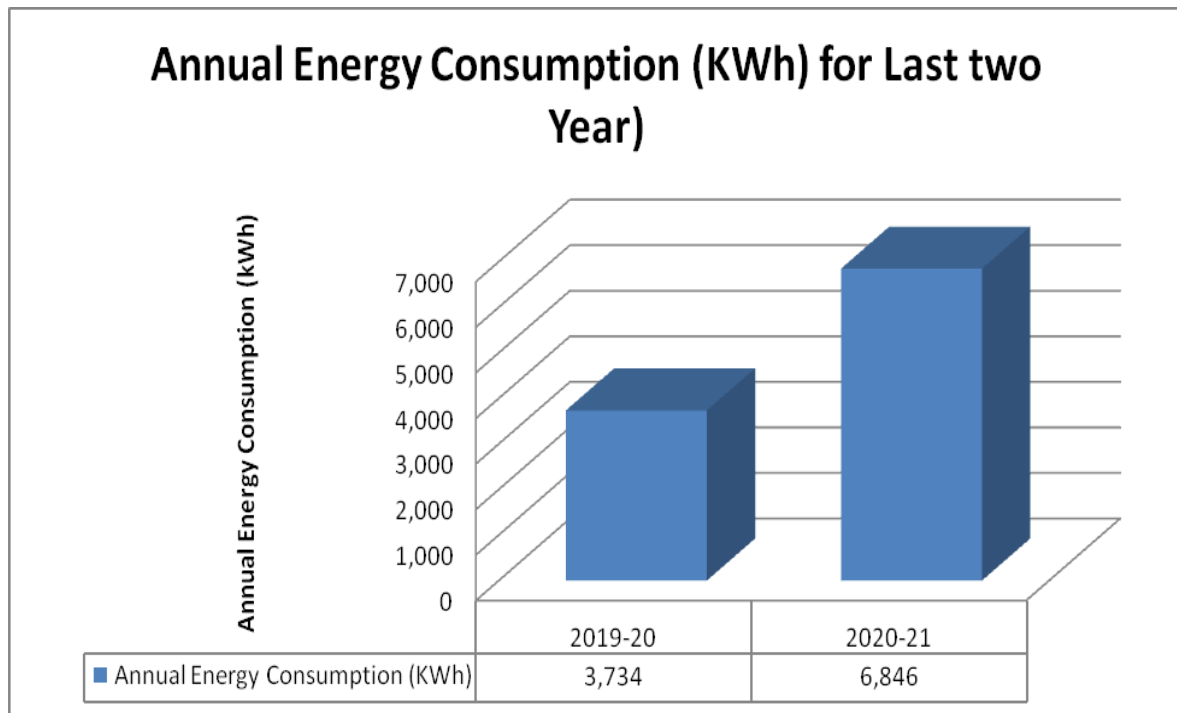


Figure 2.1–Yearly electrical Consumption for last two year



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**2.2 Monthly Energy Consumption of College (Year 2020-21)**

Table 2.2 Energy consumption and billing amount (year 2020-21)

Sr. No	Month & Year	Total Unit (kWh)
1	Jul-20	487
2	Aug-20	364
3	Sep-20	454
4	Oct-20	405
5	Nov-20	218
6	Dec-20	848
7	Jan-21	590
8	Feb-21	242
9	Mar-21	1150
10	Apr-21	977
11	May-21	881
12	Jun-21	230
	<b>Total =6,846</b>	

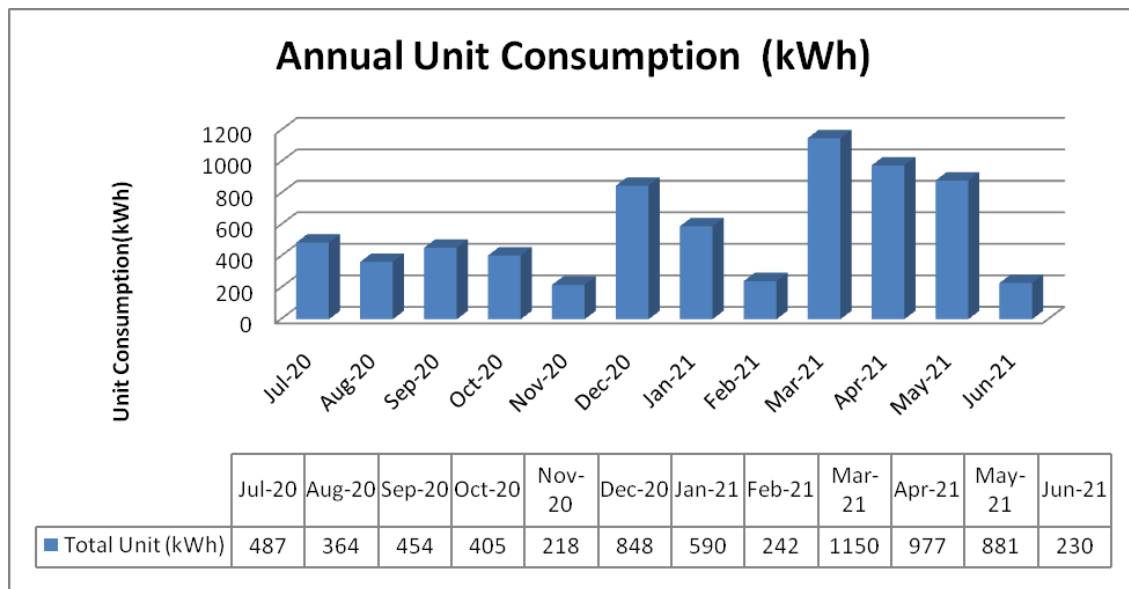


Fig.2.2- Graphical Presentation for Monthly Energy Consumption (kWh)





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### 2.3 Monthly Load factor analysis:

The monthly load factor for the college is given in the following table:

Table 2.3- Load factor of college year 2020-21

Sr. No	Month & Year	Average Load Factor (%)
1	Jul-20	17
2	Aug-20	13
3	Sep-20	14
4	Oct-20	14
5	Nov-20	08
6	Dec-20	30
7	Jan-21	18
8	Feb-21	08
9	Mar-21	35
10	Apr-21	33
11	May-21	31
12	Jun-21	8
	<b>Average</b>	<b>19</b>

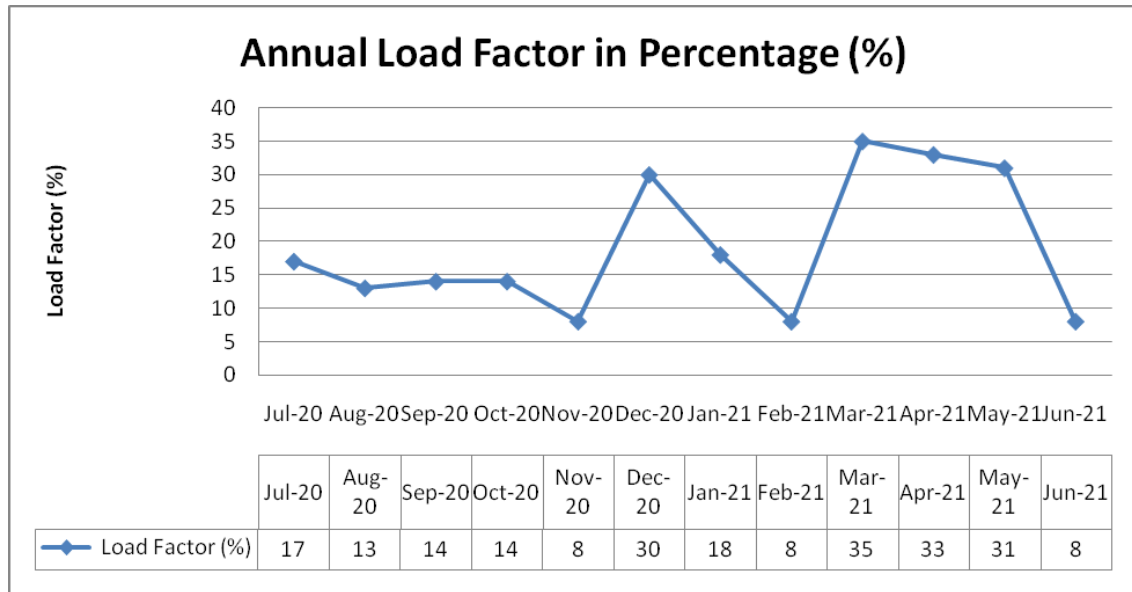


Fig.2.3 – Graphical Presentation for Annual Load Factor

#### Observation:

Average load factor is 19 % in last 12 months.



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**2.4 ON Site power measurement in College campus**

Table 2.4 ON Site power measurement in college campus

Sr. No.	Building Name	Volt (V)	Amp	Power (KW)
1	Admin Building (Main Panel)	355	5.8	2.45
2	Borewell	359	70.3	4.71

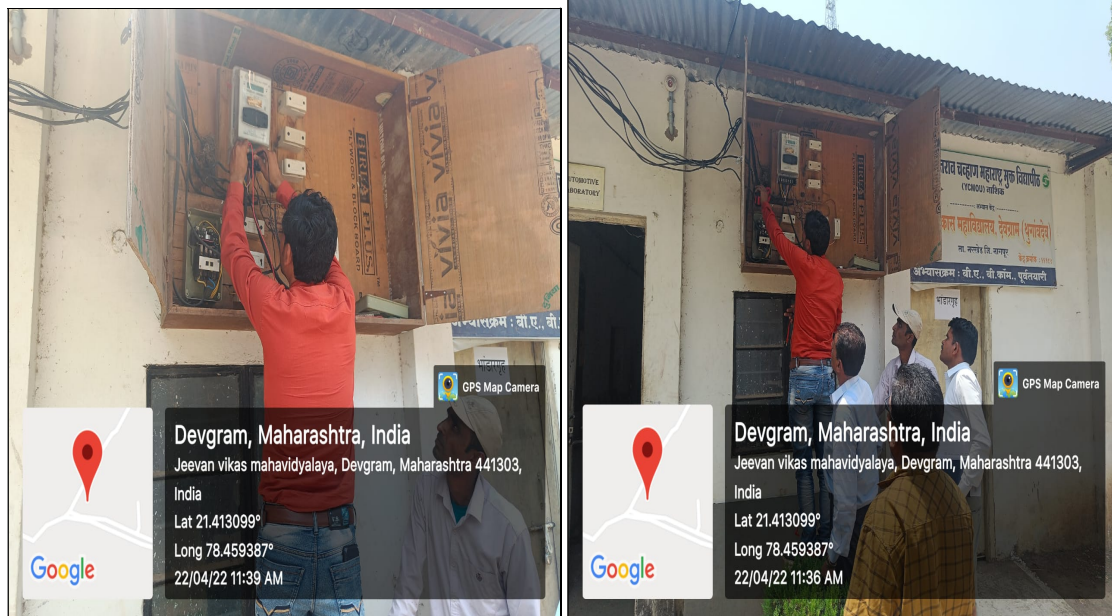


Fig.-2.4 Photograph of ON Site power measurement in college campus





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**CHAPTER -3**  
**CONNECTED LOAD DETAILS**

**3.1 Connected Load of college:**

Table 4.1 :- Connected load of college

Sr. No	Location/ Name of Building	Type of Electrical Equipment	Rated (watt)	Quantity (no)	Total Watt	Load (%)
1	College Campus	Tube Light (LED)	20	18	360	2.80
		Ceiling Fan	60	58	3,480	27.07
		Exhaust Fan	60	07	420	3.26
		Split AC	1.5 Ton	01	1400	10.89
		PC	70	58	4,060	31.58
		Laptop	71	04	284	2.20
		Printer	150	08	1200	9.33
		Photocopy M/c	550	03	1650	12.83
<b>Total Connected Load</b>					<b>12,854</b>	<b>100.00</b>

**Street Light Detailed**

Sr. No	Location	Type of Light	Rated Watt	Quantity (NO)	Total Watt	Load (%)
1.	Main Gate	HPSV Lamp	400 Watt	2	800	64.0
		Metal Halide	250 Watt	1	250	20.0
		LED	100 Watt	2	200	16.0
<b>Total Connected Load</b>					<b>1,250</b>	<b>100.00</b>

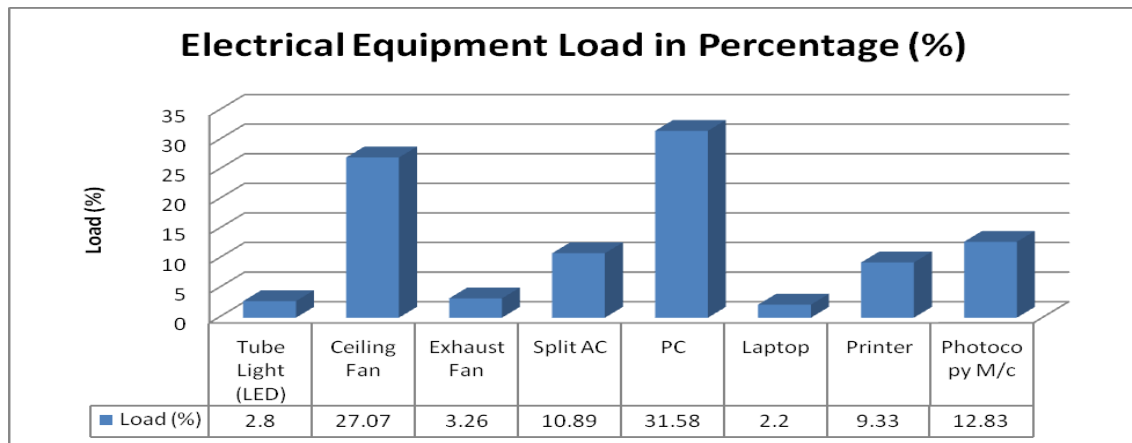


Fig.3.1- Electrical Equipment Load in Graphical Presentation



## CHAPTER- 4 ENERGY CONSERVATION MEASURES

### 4.1 Case Study No.-1 Grid Connected Roof Top Solar Pv System (4 KWp):

There is good potential for installation of 4 KWp grid connected roof solar system under “Net Metering Polices of Maharashtra State Government”. Expected solar energy generation by recommended system will be 5760 unit per year @ 4 units per day per KWp

Table-4.1 Grid Connected Roof Top Solar Pv System (4 KWp)

Case Study No.	Section	Identification	Observation	Recommendation	Annual energy saving (kWh)	Annual cost saving (Rs.)	Investment (Rs.)	Simple payback Period (Year)
01	Electrical room	Potential for solar project as per Net Metering policy	100 % Energy taken from MSEDCL	4 KWp grid connected solar roof top system .	5760 KWh Generation annual	55000	1,80,000/	3.2
<b>Total</b>						55000	1,80,000/	3.2





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**Jeevan Vikas Mahavidyalaya, Devgram**  
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#### 4.2 Case Study No.-2

Replacing (400 W) HPSV Lamp on street Light with 150 W LED Street lights

Sr. No	Items	Parameters	Units
1	Total (400W) HPSV Lamp	No.	02
2	Rated Power	Watt/ unit	400
3	Operating Hrs	Hrs/day	12
4	Operating Annual Days	Days/Year	365
5	Unit Consumed Annually ( AI*All*B*C)/1000)	kWh/Year	3504
6	REPLACEMENT		
7	Replacement with 150 W LED Street Light	Watt/unit	150
8	Unit Consumed Annually	kWh/Year	1314
9	Energy Saving (Old- New Annual Consumption)	kWh	2190
10	Annual Energy Cost Saving @ Rs. 6.20 per unit	INR	13,578
11	COST BENEFIT CALCULATION		
12	Capital Cost @Rs4,250/- per item	INR	8,500/-
13	TOTAL INVESTMENT	INR	8,500/-
14	Net Annual Saving	INR	13,578/-
15	Simple payback (Investment/annual savings)	Month	7.5

#### 4.3 Case Study No.3

Replacing (250W) Metal halide Lamp on street Light with 100 W LED Street lights

Sr. No	Items	Parameters	Units
1	Metal halide Lamp (250W)	No.	01
2	Rated Power	Watt/ unit	250
3	Operating Hrs	Hrs/day	12
4	Operating Annual Days	Days/Year	365
5	Unit Consumed Annually ( AI*All*B*C)/1000)	kWh/Year	1095
6	REPLACEMENT		
7	Replacement with 100W LED Street Light	Watt/unit	100
8	Unit Consumed Annually	kWh/Year	438
9	Energy Saving (Old- New Annual Consumption)	kWh	657
10	Annual Energy Cost Saving @ Rs. 6.20 per unit	INR	4,073/-
11	COST BENEFIT CALCULATION		
12	Capital Cost @Rs3500/- per item	INR	3,500/-
13	TOTAL INVESTMENT	INR	3,500/-
14	Net Annual Saving	INR	4,073/-
15	Simple payback (Investment/annual savings)	Month	10.3

**Note : simple pay back period depend on working hours & load factor of the system.**



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**(Thugaondeo), Nagpur, Year 2020-21**



#### 4.4 Case Study No.4

Replacing Ceiling Fan 60W by 28 W BLDC Ceiling Fan

Sr. No	Items	Parameters	Units
1	Ceiling Fan (80W)	No.	58
2	Rated Power	Watt/ unit	60
3	Operating Hrs	Hrs/day	12
4	Operating Annual Days	Days/Year	330
5	Unit Consumed Annually ( AI*AII*B*C)/1000)	kWh/Year	13781
6	REPLACEMENT		
7	Replacement with 28 W BLDC Ceiling Fan	Watt/unit	28
8	Unit Consumed Annually	kWh/Year	6431
9	Energy Saving (Old- New Annual Consumption)	kWh	7350
10	Annual Energy Cost Saving @ Rs. 6.20 per unit	INR	45,569/-
11	COST BENEFIT CALCULATION		
12	Capital Cost @1800 per item	INR	1,04,400/-
13	TOTAL INVESTMENT	INR	1,04,400/-
14	Net Annual Saving	INR	45,569/-
15	Simple payback (Investment/annual savings)	Month	27.4

#### 4.5 Case Study No.5

Replacing 225MM EX Fans by 250MM BLDC EX Fans

Sr. No	Items	Parameters	Units
1	225MM EX Fans (60 W)	No.	07
2	Rated Power	Watt/ unit	60
3	Operating Hrs	Hrs/day	12
4	Operating Annual Days	Days/Year	300
5	Unit Consumed Annually ( AI*AII*B*C)/1000)	kWh/Year	1512
6	REPLACEMENT		
7	Replacement with 20W ( 250MM BLDC) EX Fans	Watt/unit	20
8	Unit Consumed Annually	kWh/Year	504
9	Energy Saving (Old- New Annual Consumption)	kWh	1008
10	Annual Energy Cost Saving @ Rs. 6.20 per unit	INR	6,250/-
11	COST BENEFIT CALCULATION		
12	Capital Cost @2000 per item	INR	14,000/-
13	TOTAL INVESTMENT	INR	14,000/-
14	Net Annual Saving	INR	6,250/-
15	Simple payback (Investment/annual savings)	Month	26.8

**Note : simple pay back period depend on working hours & load factor of the system.**







# Energy Audit Report

## Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur, Year 2020-21



### Annexure -1



### Maharashtra State Electricity Distribution Company Limited

Web Self Service Home > Make Payment

#### Web Self Service

#### Make Payment

Home

New User Registration

Login

Forgot Login Name/Password?

View/Pay Bill

Consumption Calculator

Energy Bill Calculator

New Connection Request

Complaint Registration

Complaint Status

Submit Reading

Shri Vilasrao Deshmukh Abhay Yojana

View ASD Details

View HT Consumer Info

View RE Consumption

Track Status, Upload Documents and Pay Charges

\*Online Payment of Other Charges

\*Register / Update Mobile number, Email, Aadhar number, TDS and PAN No

Process Flow for Shri Vilasrao Deshmukh Abhay Yojna (Help Manual & Video)

#### Consumer Information

Consumer Number	426890476951	BU	0560 JALAKHEDA
Name	SHRI ANTODAY MISSION OF INDIA THUGANDEO	Connection Type	LT
Address	THUGANDEO THUGANDEO 441304	Contact Numbers	9823421427

Consumer No.	BU / Circle Code	Bill Month	Consumption (Units)	Bill Amount	Bill Due Date	Status
426890476951	0560 JALAKHEDA	Apr 2022	1043	7,010.00	02 May 2022	LIVE

Now you can also make additional advance payment in multiples of Rs. 500 , up to a maximum of Rs. 10,000.

#### Benefits of Additional Advance Payments

- You can pay a lump sum amount in advance, and avoid paying every month.
- Never miss a due date by keeping sufficient credit balance.
- Receive Prompt Payment discount when your advance payment sufficiently covers your next bill.
- Your monthly bill will reflect the balance amount.

For information related to online payment please click on given link [Help](#)

To proceed with payment please verify the details below choosing your payment option:

#### Bill Details

Consumer Number	426890476951
BU/Circle	0560 JALAKHEDA
Processing Cycle	3
Consumption	1043
Due Date	02 May 2022
Bill Amount	7010
Prompt Payment Discount Date	4/18/2022 12:00:00 AM
Prompt Payment Discount Amount	68.27

Energy Bill  Other Payment  Additional Security Deposit

Mobile Number\*

Amount to Pay\*

You have chosen to pay an amount of Rs 7,010 from your credit card/specified bank account for Maharashtra State Electricity Distribution Co. Ltd.

#### Conditions for Online Payment:

- International cards are blocked for paying MSEDCCL bills.
- Please note that a convenience fee i.e. Gateway charges levied by Master/Visa/others will be applicable for credit card exceeding Rs. 500 . Gateway charges are waived Off for Net Banking , Debit card , UPI, Digital Wallet & Cash Card payments.
- In case of duplicate/multiple payment and advance payment for a single bill, credit for the extra amount paid will be passed on in the subsequent bill.
- To avoid fraudulent transaction, it is recommended not to reveal details of your card to anybody; make payment yourself without going through any channels/agents.
- Do not open multiple payment windows simultaneously. For multiple consumer numbers, make payments one at a time.
- In case of Online payment after due date, Consumer agrees to the conditions mentioned in disclaimer.
- If consumer choose corporate Banking option for payment , Checker final approval date will be considered as receipt date.
- Please note transaction completion date will be treated as receipt date for credit/updation to consumer ledger.
- You can choose an alternate Payment Gateway, in case of online payment failure.

agree to the above conditions for Online Payment.

#### Go green registration Benefits:

- Consumer will get discount of Rs. 10 on every Electricity Bill.
- In Go green Facility, consumer will receive E-Bill on registered email address and will not receive physical copy.
- For More Details Check Go Green [FAQs](#).
- Do you want to register for Go Green ? If yes, please [Click here](#).

If you are finding any difficulty to make payment. Please refer help Manuals on Block or allow pop-ups, before clicking on PAY NOW button. [Document](#) [Video](#)



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**Jeevan Vikas Mahavidyalaya, Devgram**  
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**GREEN AUDIT REPORT**  
CONSULTATION REPORT



**Jeevan Vikas Mahavidyalaya,**  
Devgram (Thugaondeo),  
Nagpur - 441 301,  
Maharashtra State, India

PREPARED BY

**EMPIRICAL EXERGY PRIVATE LIMITED**

Flat No. 201, OM Apartment, 214 Indrapuri Colony,  
Bhawarkuan, Indore – 452 001 (M. P.), India  
0731-4948831, 7869327256  
Email ID: [eempirical18@gmail.com](mailto:eempirical18@gmail.com)  
[www.eeplgroups.com](http://www.eeplgroups.com)

**Year: 2020-21**





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## **ACKNOWLEDGEMENT**

**Empirical Exergy Private Limited (EEPL), Indore** takes this opportunity to appreciate & thank the management of **Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur** for giving us an opportunity to conduct green audit for the college.

We are indeed touched by the helpful attitude and co-operation of all faculties and technical staff, who rendered their valuable assistance and co-operation the course of study.



**Rajesh Kumar Singadiya**  
**(Director)**

M.Tech (Energy Management), PhD (Research Scholar)  
Accredited Energy Auditor [AEA-0284]  
Certified Energy Auditor [CEA-7271]  
(BEE, Ministry of Power, Govt. of India)  
Empanelled Energy Auditor with MPUVN, Bhopal M.P.  
Lead Auditor ISO50001:2011 [EnMS] from FICCI, Delhi  
Certified Water Auditor (NPC, Govt of India)  
Chartered Engineer [M-1699118], The Institution of Engineers (India)  
Member of ISHRAE [58150]



## **EXECUTIVE SUMMARY**

Green Audit is the most efficient way to identify the strength and weakness of environmentally sustainable practices and to find a way to solve problem. The executive summary of the Green Audit report furnished in this section briefly gives the identified green initiative taken by college and further recommendation for green campus, solid waste management and their impact on carbon foot print in the campus.

### **GREEN INITIATIVE TAKEN BY THE COLLEGE**

#### **✚ CAMPAIGN OF PLANTATION AND GREEN CAMPUS**

- ❖ College has around **1504** no of plant & trees in the campus. Its good initiative taken by management for green campus under the campaign of plantation. **It's APPRECIABLE.**

#### ❖ **sprin**

#### ❖ **Liquid waste management**

- Soak pits are made in all buildings of the college and lady's hostel. The waste is drained after reasonable treatment. The drainage is maintained to collect urinals which are connected with these pits. The outlets of the urinals maintained such a way that the urine is collected through pipelines for inorganic fertilization pits.

#### ❖ **E-Waste management**

- Computers, printers and other ICT equipment which cannot be used are sold to vendors for recycling or buy back schemes.

#### ❖ **The Biomedical Waste Management**

- For Biomedical waste, we either recycle it or dispose it scientifically as per the need without harming the society.

#### ❖ **Hazardous chemicals and radioactive waste management**

- Some of the chemicals are neutralized in lab and disposed them safely.





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- Some hazardous chemicals such as cyanide which are of no longer use are returned back to the chemical laboratories.

❖ **Solid waste Management**

- There are total 8 no. of dustbin in college campus. The details of list of dustbin has provided in chapter-5.

## **Recommendation for Improvement**

✚ **Recommendation for Herbal & medicinal plants:**

- ❖ List of recommended of herbal & medicinal plant in annexure list. College management can be purchase above recommended plants in future plantation.

✚ **SOLID WASTE MANAGEMENT:**

**Adopt 5 no's. Dustbin systems:**

- ❖ College has single dustbin for collection of different type of waste generated by different activity in the campus. The basic principle of good waste management practice is based on the concept of 3Rs, namely, reduce, recycle, and reuse. All the degradable and non-degradable waste material are collected and processed in environmentally friendly way in the College campus.
- ❖ It is recommended to adopt 5 no's dustbin systems for collection of different type of waste material.

**Organic converter for canteen area:**

- ❖ There is good potential to install organic converter for kitchen waste generated in canteen area. The output of the organic converter is good manure for plant.

✚ **QR CODE SYSTEM ON TREE: -**

While the world seems to be going digital, people lack the time to read books and process the information they contain. Hence, College can be provided QR codes on the trees for its information and to exploit the rapidly growing platform for a unique purpose.



## **CHAPTER-1** **INTRODUCTION**

### **1.1 About College**

Jeevan Vikas Mahavidyalaya, Devgram is run by the society, “Antyoday Mission”, established by Hon’ble Dr. Bhausaheb Bhoge in 1972. The college was started in 1996 with mere 40 students in Arts faculty and now it has Arts, Commerce, Science & B.Voc faculties including PG Courses serving more than 1300 students under the guidance of Dr. Devendra S. Bhongade, Principal. It is constantly marching in all fronts bringing laurels at state and national level. It is the matter of great proud that at present the college runs thirteen subjects at BA – Marathi, English, Marathi Literature, English Literature, Economics, Pol. Science, Sociology, History, Geography, Music, Home Economics, Library Science and Military Science; four subjects at MA- English, Marathi, Economics and Political Science; six subjects at B.Com (Marathi Medium)- English, Marathi, Financial Accounting, Business Organization, Business Economics and Company Law; nine subjects at B.Sc. (English Medium)- English, Marathi, Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science and Zoology; four subjects at UGC sponsored skill-based B.Voc. Degree Programme- Food Processing & Engineering, Software Development, Building Technology and Automotive; three subjects at UGC Funded Community College- Automotive, Software Technology and Dress Designing. At Junior College level, the college has six subjects in Arts Faculty (Marathi Medium) – English, Marathi, Economics, History, Political Science and Sociology; six subjects in Commerce Faculty (Marathi Medium) – English, Marathi, Economics, Secretarial Practice, Co-operation, and Book-keeping & Accountancy. In science (English Medium), the college runs two groups. Group – I (General Science) has six subjects- English, Marathi, Chemistry, Biology, Physics and Mathematics and Group – II (Bi-focal) has five subjects in Fishery- English, Chemistry, Biology, Physics, Fresh Water & Fish Culture and five subjects in Computer Science – English, Chemistry, Physics, and Mathematics & Computer Science. Apart from these, the college conducts few Career oriented Value-added Courses, Add-on Courses and Self-finance Certificate, Diploma and Advance Diploma Courses. The college has widened its aura starting YCMOU courses in Arts and Commerce faculties affiliated to Nashik Deemed University. All these courses are efficiently enhancing the profile of the college. UGC sponsored skill-based and Career





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oriented courses opened many new career avenues for the students in global scenario. The college has the pride to have Permanent Affiliation; 2(f) & 12(B); ISO 9001: 2015 Certification, NIRF Participation and accredited by NAAC in Cycle-II at 'B++' Grade (CGPA 2.93). CLL and NSS Wings add feather in the hat. The college boasts on well-qualified and experienced teachers involved in promoting the research culture. Auditorium, Open Gymnasium and Green Gym, vast playground & lush green campus with Wi-Fi connectivity and CCTV protected campus add to the beauty of the institution and make the campus safe and secured from girls' point of view. Advanced Library and modern Computer Lab are always open 24 \*7 for students preparing for competitive examinations. The college has become an educational hub coping the demands and satisfying the needs of the region and hence it has got new coinage as one of the best Educational Institutions in the college and Vidarbha region working for Antyoday students. The college is situated at Jalalkheda –Mowad State Highway in Nagpur district of Maharashtra 5 Kms towards North of Jalalkheda. The nearest railway station Narkhed is 18 Kms and the nearest airport Nagpur is 90 Kms from the college. Apart from these, the regular MSRTC buses and private taxis ply continually.

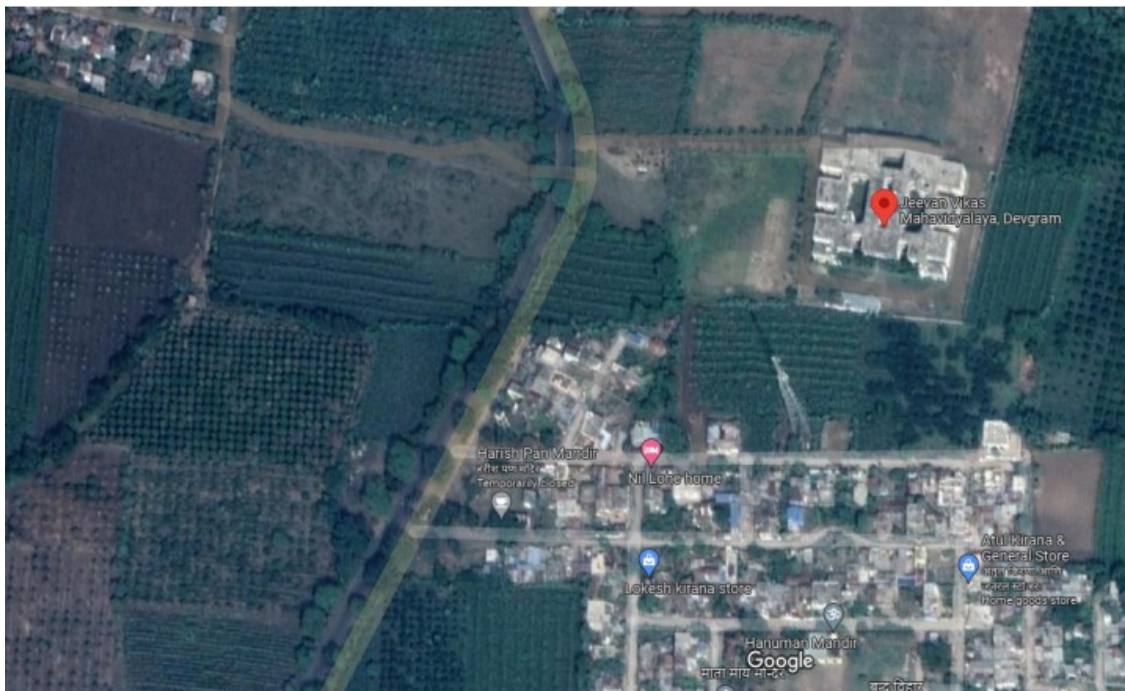


Figure 1.1: - Satellite image of college from Google map



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### **Vision**

The vision of the institution is “Unto the Last”. i.e. To provide academic services to financially backward, deprived students and specially girls students of local community and nearby villages through qualitative and valuable education and work for Antyodaya (poor, needy and downtrodden) people in the community.

### **Mission**

The mission of our institution is in tune with the objectives of higher education policies of the nation. For instance, the institute provides qualitative and valuable higher education to the students of rural, tribal and hilly areas. Through the curricular and extra-curricular activities, the college is pledged to develop overall skills and personality of the students to make them self-reliant and ideal citizen by discharging social and moral responsibilities.

The following mission statements aim at translating college-vision into missionary activities-

1. To impart qualitative and valuable service in the field of education to the residents of Devgram and nearby areas in general language.
2. To attempt community and social development through infrastructure facilities of the institution.
3. To ensure and inculcate perfect discipline in terms of regularity, sincerity and punctuality amongst the students. So that they contribute to the society and nation as the most responsible and respectable citizen.
4. To aim at overall personality development of the students through extra-curricular activities.
5. To provide platform for the students by giving them an opportunity to face all the challenges of the competitive world with utmost utilization of their potential in sports and other events.
6. To adopt Antyodaya students in rural, tribal and hilly areas to give them social justice, opportunities.





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**Name of Department**

Teaching Departments	Course Name
B.A.	B.A.
Marathi	B.Com.
English	B.Sc.
Economics	Building Technology
Political Science	Food Processing & Eng.
Sociology	Software Development
MLT	Automotive
ELT	Marathi
Music	English
Library Science	Economics
Military Science	
B.Com.	
B.Sc.	
Physics	
Chemistry	
Mathematics	
Computer Science	
Microbiology	
Botany	
Zoology	
Building Technology	
Food Processing & Eng.	
Software Development	
Automotive	
Marathi	
English	
Economics	





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**1.2 About Infrastructure:**

The college is spread over with plenty of open space and sports area interspersed within academic buildings. The details of various department and building are given in Table 1.1.

Table 1.1 :- Name of the various building in the college

Sr.No.	Block
1	Admin building
2	Academic section
3	New building , Class room, Principal office , Administration office
4	Sports & extension block
5	Sports ground

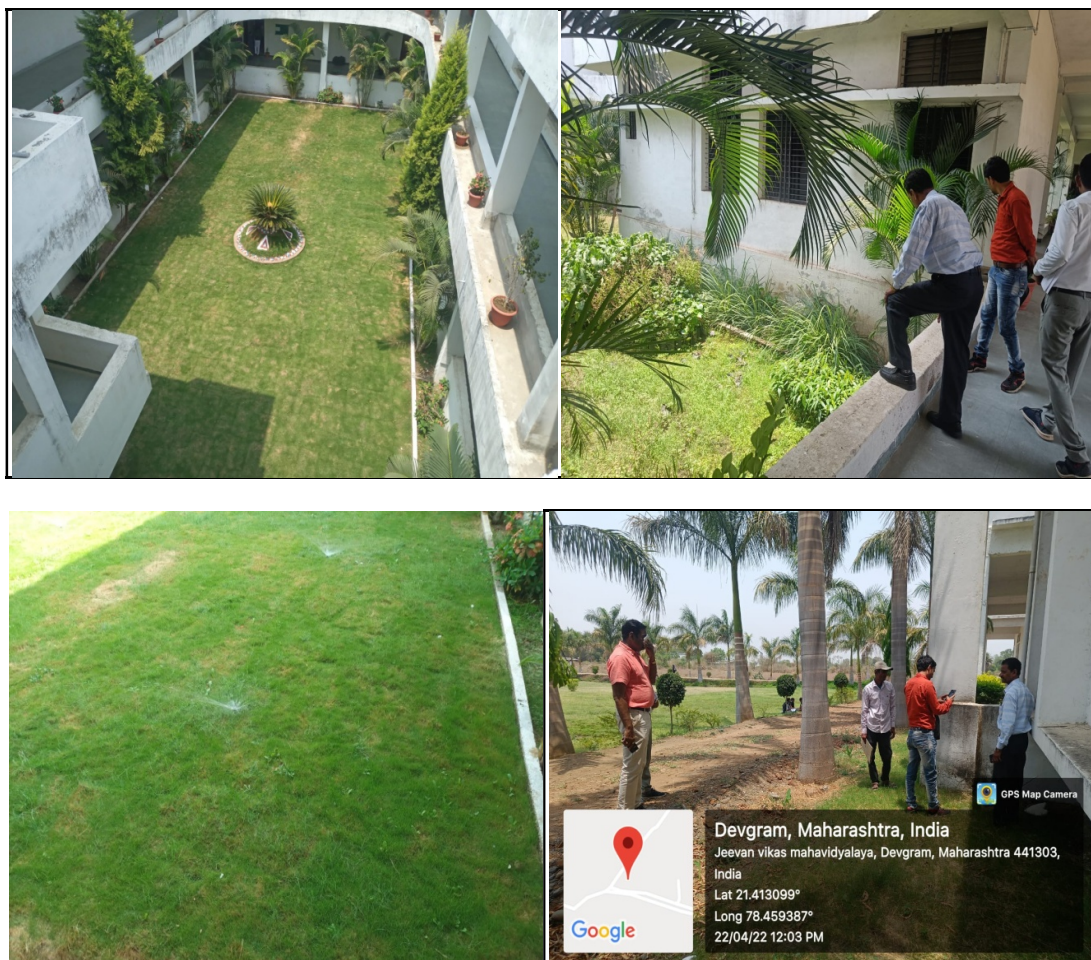


Fig. - Some pics of college campus








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### 1.4 Green Monitoring Committee

Antyoday Mission's  
**Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo)**



Tah. Narkhed, Distt. Nagpur- 441 301 (M.S.)  
(Permanent Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)  
College Code: 341  
(NAAC Accredited in Cycle II at 'B++' Grade, CGPA 2.93)  
ISO 9001:2015 Certified, NIRF Participated

Website: [www.jvmd.co.in](http://www.jvmd.co.in) E-mail: [jvmthugaondeo@gmail.com](mailto:jvmthugaondeo@gmail.com)


JVMD/ Q/2021 Date:- 02/07/2021

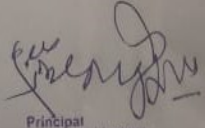
**Energy, Environmental & Green Audit Committee:**

Energy, Environmental & Green Audit Committee will consist of the following faculty and staff.

Sr. No.	Name of the Faculty	Designation
1	Dr. Devendra Bhongade	Chairperson
2	Dr. Deepak Arajpure	Member
3	Dr. Mangesh Acharya	Member
4	Dr. Yogesh Sarode	Member
5	Miss. Pranali Ingole	Member
6	Dr. Kalyani Thakre	Member
7	Mr. Pritam Sukhdeve	Member
8	Mr. Raju Ingale	Member
9	Mr. Devendra Wasade	Member
10	Mr. Sachin Darokar	Member
11	Mr. Rupesh Shekar	Member

Time duration for this committee is 03 years after which the committee will be reconstituted.



  
Principal  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Distt. Nagpur





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**1.5 Integrated Energy, Environmental, Green & waste management policy**

Antyoday Mission's  
**Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo)**  
Tah. Narkhed, Distt. Nagpur- 441 301 (M.S.)  
(Permanent Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)  
College Code: 341  
(NAAC Accredited in Cycle II at 'B++' Grade, CGPA 2.93)  
ISO 9001:2015 Certified, NIRF Participated

Website: [www.jvmd.co.in](http://www.jvmd.co.in) E-mail: [jvmthugaondeo@gmail.com](mailto:jvmthugaondeo@gmail.com)


JVMD/ Date:- 10/03/2019

**Integrated Energy, Environmental Green and Waste Management Policy**

Management of our institution is committed to go green for making our nation to *Atma-Nirbhar* (i.e., Self-Sustainable) in the area of energy and environment.

Our Emphasis is to:

1. Ensure continual enhancements in our energy and water conservation methods and usage.
2. Procure and use energy efficient equipment and products.
3. Continuously monitoring the energy consumption patterns through periodic reviews & using latest information systems.
4. Create awareness regarding necessity of energy conservation and making environment pollution free to all staff and students on a regular basis by arranging trainings, workshops, seminars, quiz, competitions, etc.
5. Carry out regular energy, environment and green audits by certified auditors to identify key areas of improvements.

  
Principal  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur

**1.6 The Audit Team**

The study team constituted of the following senior technical executives from **Empirical Exergy Private Limited,**

- Mr. Rajesh Kumar Singadiya, [Director & Accredited Energy Auditor , AEA-0284]
- Mr. Rakesh Pathak, [Director]
- Mrs. Laxmi Raikwar Singadiya, [Energy Engineer]
- Mr. Lokesh Kumar Verma, [ Project Engineer]
- Mr. Ajay Nahra, [Site Engineer]



## Green Audit Report Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur, Year 2020-21



### 1.7 About Green Auditing

Eco campus is concepts implemented in many educational institutions, all over the world to make them sustainable because of their mass resource utilization and waste discharge in to the environment.

Green audit means to identify opportunities to sustainable development practices, enhance environmental quality, improve health, hygiene and safety, reduce liabilities achieve values of virtue. Green audit also provides a basis for calculating the economic benefits of resource conservation projects by establishing the current rates of resource use and their associated costs.

Green auditing of college enables to assess the life style, action and its impact on the environment. This green audit was mainly focused on greening indicators like utilisation of green energy (solar energy) and optimum use of secondary energy sources (petrol and diesel) in the College campus, vegetation, and carbon foot print of the campus etc. The aim of green auditing is to help the institution to apply sustainable development practices and to set examples before the community and young learners.

### 1.8 Objectives of Green Auditing

The general objective of green audit is to prepare a baseline report on Plant & Trees, Alternative energy sources (solar energy), measures to mitigate resource wastage and improve sustainable practices.

**The specific objectives are:**

- ✚ To inculcate values of sustainable development practices through green audit mechanism.
- ✚ Providing a database for corrective actions and future plans.
- ✚ To identify the gap areas and suggest recommendations to improve the green campus status of the College.

### 1.9 Target Areas of Green Auditing

Green audit forms part of a resource management process. Although they are individual events, the real value of green audit is the fact that they are carried out, at defined intervals, and their results can illustrate improvement or change over time. Target areas included in this green auditing is plant trees, green energy and carbon foot print.





**CHAPTER- 2**  
**GREEN CAMPUS & SUSTAINABLE DEVELOPMENT**

**2.1 Green Audit**

In the survey, focus has been given on assessment of present status of diversity in form of plants, in college campus and efforts made by the college authorities for nature conservation. Campus is located in the vicinity of 1504 trees/ medicinal herbs/ ornamental plants.



Fig- 2.1 Green Campus of College



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## 2.2 Details of Name of Tree/Plant with Quantity in College Campus

Table -2.1 Details of Name of Tree/Plant with Quantity in College Campus

Sr. No	Location/ Name of Building	Plant Name	Quantity (no)
1	Admin Building	Areca, Euphorbia, Cyprus, Gulab Toro, Nagchafa, Cycus	28
2	Academic Zone	Areca Palm, Euphorbia, Cyprus, Cycus, Rose, Nagchafa,	28
3	Sports & Extension Wing	Gulmohor, Bahawa, Royal Palm, Pulish Palm, Drooping Ashoka, Areca Palm, Euphorbia, Bahuniya Kanchan, Chafa	38
4	Sports Ground	Neem, Royal Palm	62
5	Garden	Royal Palm, Black Ficus, Ashoka, vidya, Madhumalti, Euphorbia	162
6	Parking Zone	Babool, Saptarni, Banyan tree, Gulmohor, Bogun Velia	07
7	Back Yard	Royal Palm, Neem Tree	36
8	Management Zone	Royal Palm, Kardali, Cycus, Rose Garden	43
9	Nursery & Botanical Garden	Sita Ashoka, Medicinal Plants Varity	905
10	Oxygen Park	Pandharpuri Tulasi, Green Tulasi, Black Tulasi	85
11	Corridor	Areca, Euphorbia, Cyprus, Silver Oak, Nagchafa, Cycus	110



Fig.2.2 - Some photograph of green campus



**2.3 CO<sub>2</sub> Sequestration calculation:** Based on list of tree & plant in the campus CO<sub>2</sub> Sequestration is calculated in table 2.2.

Table: 2.2 - CO<sub>2</sub> Sequestered by the trees having age between 05 to 15 Years

Sr. no	Common Name	Average Diameter (25 to 100 ) in cm	AGB	BGB	Total	Carbon Storage	Amount of CO <sub>2</sub> Sequestered	No of Tree	Total Amount of CO <sub>2</sub> Sequestered	Annually CO <sub>2</sub> Sequestered amount
1	Areca	75	6354168.6	86663.5	6354168.6	86663.5	6354168.6	86663.5	6354168.6	86663.5
2	Euphorbia	60	475084.2	6479.6	475084.2	6479.6	475084.2	6479.6	475084.2	6479.6
3	Cyprus	50	1089253.5	14856.2	1089253.5	14856.2	1089253.5	14856.2	1089253.5	14856.2
4	Gulab Toro	50	1327265.2	18102.4	1327265.2	18102.4	1327265.2	18102.4	1327265.2	18102.4
5	Nagchafa	40	334759.3	4565.7	334759.3	4565.7	334759.3	4565.7	334759.3	4565.7
6	Cycus	55	121325.2	1654.7	121325.2	1654.7	121325.2	1654.7	121325.2	1654.7
7	Areca Palm	40	72334.9	986.6	72334.9	986.6	72334.9	986.6	72334.9	986.6
8	Euphorbia Cyprus	65	65178.0	889.0	65178.0	889.0	65178.0	889.0	65178.0	889.0
9	Cycus	30	83348.5	1136.8	83348.5	1136.8	83348.5	1136.8	83348.5	1136.8
10	Rose	30	74843.5	1020.8	74843.5	1020.8	74843.5	1020.8	74843.5	1020.8
11	Nagchafa	30	73993.0	1009.2	73993.0	1009.2	73993.0	1009.2	73993.0	1009.2
12	Gulmohor	35	35686.6	486.7	35686.6	486.7	35686.6	486.7	35686.6	486.7
13	Bahawa	45	430052.1	5865.4	430052.1	5865.4	430052.1	5865.4	430052.1	5865.4
14	Royal Palm	50	84004.1	1145.7	84004.1	1145.7	84004.1	1145.7	84004.1	1145.7
15	Pulish Palm	36	36824.9	502.3	36824.9	502.3	36824.9	502.3	36824.9	502.3
16	Drooping Ashoka	35	15997.5	218.2	15997.5	218.2	15997.5	218.2	15997.5	218.2
17	Areca Palm	45	165404.6	2255.9	165404.6	2255.9	165404.6	2255.9	165404.6	2255.9
18	Euphorbia	60	2358604.0	32168.6	2358604.0	32168.6	2358604.0	32168.6	2358604.0	32168.6
19	Bahuniya	45	381533.4	5203.7	381533.4	5203.7	381533.4	5203.7	381533.4	5203.7



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20	Kanchan	40	713255.9	9728.0	713255.9	9728.0	713255.9	9728.0	713255.9	9728.0	
21	Chafa	30	425247.3	5799.9	425247.3	5799.9	425247.3	5799.9	425247.3	5799.9	
22	Neem,	65	1644490.5	22429.0	1644490.5	22429.0	1644490.5	22429.0	1644490.5	22429.0	
23	Royal Palm	65	265725.6	3624.2	265725.6	3624.2	265725.6	3624.2	265725.6	3624.2	
24	Royal Palm	25	39021.8	532.2	39021.8	532.2	39021.8	532.2	39021.8	532.2	
25	Black Ficus	35	6152.9	83.9	6152.9	83.9	6152.9	83.9	6152.9	83.9	
26	Ashoka, vidya	36	24988.4	340.8	24988.4	340.8	24988.4	340.8	24988.4	340.8	
27	Madhumalti,	30	53581.2	730.8	53581.2	730.8	53581.2	730.8	53581.2	730.8	
28	Euphorbia	27	132015.4	1800.5	132015.4	1800.5	132015.4	1800.5	132015.4	1800.5	
29	Babool	28	3592.5	49.0	3592.5	49.0	3592.5	49.0	3592.5	49.0	
30	Saptarni,	30	68039.6	928.0	68039.6	928.0	68039.6	928.0	68039.6	928.0	
31	Banyan tree	54	36602.0	499.2	36602.0	499.2	36602.0	499.2	36602.0	499.2	
32	Gulmohor	35	57837.0	788.8	57837.0	788.8	57837.0	788.8	57837.0	788.8	
33	Bogun Velia	37	115016.5	1568.7	115016.5	1568.7	115016.5	1568.7	115016.5	1568.7	
34	Royal Palm	45	22054.0	300.8	22054.0	300.8	22054.0	300.8	22054.0	300.8	
35	Neem Tree	15	15493.7	211.3	15493.7	211.3	15493.7	211.3	15493.7	211.3	
36	Royal Palm	26	52619.6	717.7	52619.6	717.7	52619.6	717.7	52619.6	717.7	
37	Kardali	75	1013380.3	13821.3	1013380.3	13821.3	1013380.3	13821.3	1013380.3	13821.3	
38	Cycus	45	15437.8	210.6	15437.8	210.6	15437.8	210.6	15437.8	210.6	
39	Rose Garden	30	227932.6	3108.7	227932.6	3108.7	227932.6	3108.7	227932.6	3108.7	
40	Sita Ashoka	30	91853.4	1252.8	91853.4	1252.8	91853.4	1252.8	91853.4	1252.8	
									<b>Total=1504</b>	<b>25902300.0</b>	<b>353277.4</b>

College has **1504 trees** in the campus. This is good initiative taken by management for green campus under the campaign of plantation. **It's Appreciable**





## **Chapter-03**

### **Carbon Foot print**

#### **3.1 About carbon foot print.**

Climate change is one of the greatest challenges facing nations, governments, institutions, business and mankind today. The total amount of greenhouse gases produced to directly and indirectly support human activities, usually expressed in equivalent tons of carbon dioxide (CO<sub>2</sub>).

Carbon footprint is a measure of the impact your activities have on the amount of carbon dioxide (CO<sub>2</sub>) produced through the burning of fossil fuels and is expressed as a weight of CO<sub>2</sub> emissions produced in tonnes.

We focus on consumption in each of our five major categories: housing, travel, food, products and services. In addition to these we also estimate the share of national emissions over which we have little control, government purchases and capital investment.

For simplicity and clarity all our calculations follow one basic method. We multiply a use input by an emissions factor to calculate each footprint. All use inputs are per individual and include things like fuel use, distance, calorie consumption and expenditure. Working out your inputs is a matter of estimating them from your home, travel, diet and spending behaviour.

Although working out you inputs can take some investigation on your part the much more challenging aspect of carbon calculations is estimating the appropriate emissions factor to use in your calculation. Where possible you want this emissions factor to account for as much of the relevant life cycle as possible.

#### **We all have a carbon footprint...**

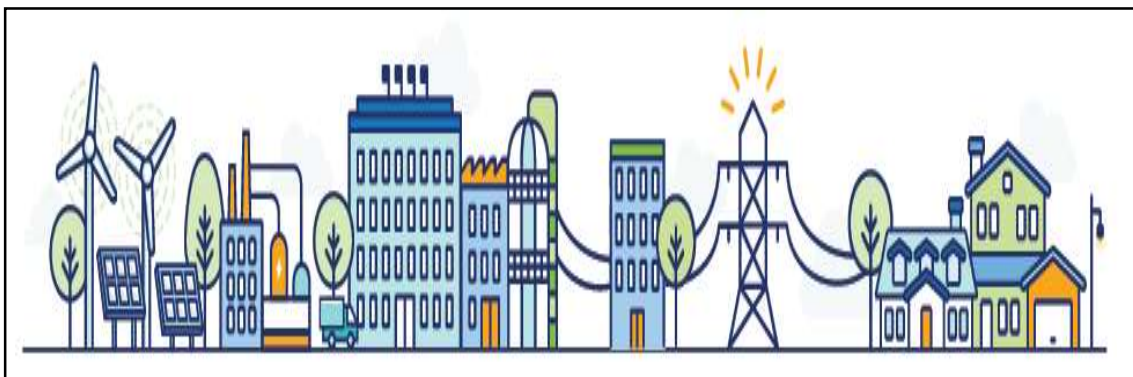


Fig.-3.1 About carbon foot print



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### **3.2 Methodology and Scope**

The carbon footprint gives a general overview of the college greenhouse gas emissions, converted into CO<sub>2</sub> -equivalents and it is based on reported data from internal and external systems.

The purposes of the carbon indicators are to measure the carbon intensity per unit of product, in addition to showing environmental transparency towards external stakeholders.

The carbon footprint reporting approach undertaken in this study follows the guidelines and principles set out in the “Greenhouse Gas Protocol Corporate Accounting and Reporting Standard” (hereafter referred to as the GHG Protocol) developed by the Greenhouse Gas Protocol Initiative and international standard for the quantification and reporting of greenhouse gas emissions -ISO 14064.

This is the most widely used and accepted methodology for conducting corporate carbon footprints. The study has assessed carbon emissions from the College Campus. This involves accounting for, and reporting on, the GHG emissions from all those activities for which the company is directly responsible.

The items quantified in this study are as classified under the ISO 14064 standards:

The report calculates the greenhouse gas emissions from the College. This includes electricity, as well as emission associated with diesel consumption in the institute vehicle. The emission associated with air travel, waste generation, administration, and marketing related activities has been excluded from the current study. Emissions from business activities are generally classified as scope 1, 2 or 3 areas classified under the ISO 14064 standards.





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### 3.3 Carbon emission from electricity

Direct emissions factors are widely published and show the number of emissions produced by power stations in order to produce an average kilowatt-hour within that grid region

Unlike with other energy sources the carbon intensity of electricity varies greatly depending on how it is produced and transmitted. For most of us, the electricity we use comes from the grid and is produced from a wide variety of sources. Although working out the carbon intensity of this mix is difficult, most of the work is generally done for us.

Electricity used in the site is the significant contributors towards GHGs emission from the unit. Electricity used onsite is the most direct, and typically the most significant, a contributor to a unit's carbon footprint. Thus, using an average fuel mix of generating electricity, carbon dioxide intensity of electricity for national grid is assumed to be 0.9613 KgCO<sub>2</sub>/kWh

(Reference: Central Electricity Authority (CEA) Baseline Carbon Dioxide Emission database [http://cea.nic.in/reports/others/thermal/tpece/cdm\\_CO2/database\\_11.zip](http://cea.nic.in/reports/others/thermal/tpece/cdm_CO2/database_11.zip)) Electricity

Purchased from the grid

#### Electricity purchase of the college from grid

SR.NO.	Year	Annual Energy Consumption (kWh)
1	2019-20	1,921
2	2020-21	2,827

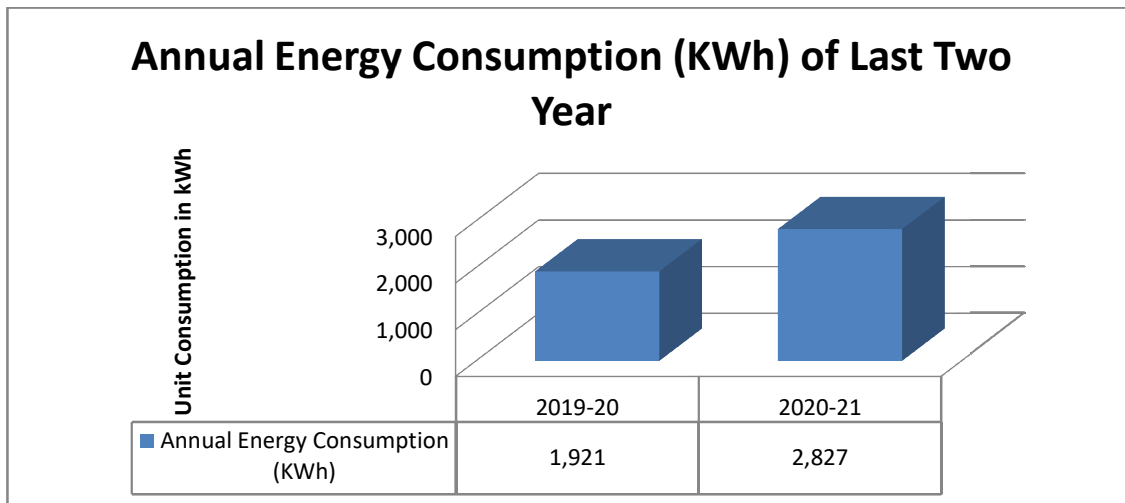


Fig.3.2 - Annual Unit Consumption (From Year 2019 to Year 2021)



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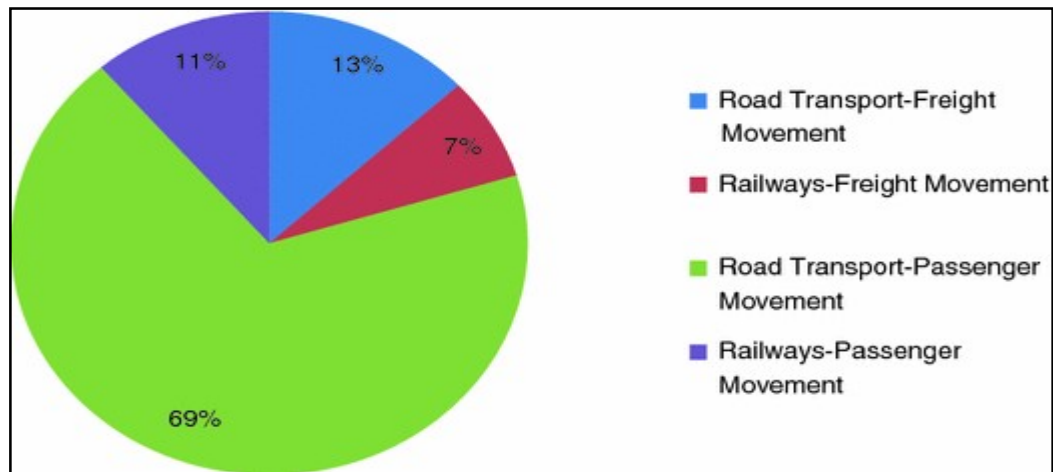


Table:- 3.2 Electricity Purchased from the grid and Emissions from the electricity Import

Sr. No	Parameter	Value	Unit	Emission Factor kg CO <sub>2</sub> e/kWh	Emission ton CO <sub>2</sub> e/year
1	Electricity 2020-21	6,846	kWh	0.91	6.22
				<b>Total</b>	<b>6.22</b>

**Carbon emission from vehicles**

In India, it is the third most CO<sub>2</sub> emitting sector, and within the transport sector, road transport contributed more than 90% of total CO<sub>2</sub> emissions (IEA, 2020; Ministry of Environment Forest and Climate Change, 2018)



Transportation (29 percent of 2019 greenhouse gas emissions) – The transportation sector generates the largest share of greenhouse gas emissions. Greenhouse gas emissions from transportation primarily come from burning fossil fuel for our cars, trucks, ships, trains, and planes.

**3.4 List of vehicles in college**

We have also considered the total GHGs emission done by transportation facilities available in campus like Cars, Buses etc. We consider the different type of vehicles which are operated on petrol and diesel fuels. Energy team was analysed following vehicles are movement for campus.





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**3.5 Calculation of Carbon foot print in campus: -**

As per discussion by concern department in the college and data provided by management 150 KM per day travel done by all vehicles. Also, we have estimated value considered 250 bikes run per day approx. 1000 KM by other services like college staff, housekeeping staff, and other

Following details are given in table: 3.3 -

Sr. No	Vehicle Type	Fuel Type	Average Mileage (Per Litter)	Quantity (Nos.)
1	Car	Diesel	17	1
2	Bus	Diesel	13	1

- ❖ CO<sub>2</sub> Emissions from a gallon of gasoline: 8,887 grams CO<sub>2</sub>/ gallon
- ❖ CO<sub>2</sub> Emissions from a gallon of diesel: 10,180 grams CO<sub>2</sub>/ gallon
- (1 US Gallon = 3.7854 liters)**
- ❖ CO<sub>2</sub> Emissions from a Litter of gasoline: 2347.95 grams CO<sub>2</sub>/ Litter.
- ❖ CO<sub>2</sub> Emissions from a Litter of diesel: 2689.56 grams CO<sub>2</sub>/ litter.

$$\text{Total CO}_2 \text{ Emissions} = \frac{\text{CO}_2 \text{ Per litter}}{\text{Average Mileage (Km/Litre)}} \times \text{Distance (in km)}$$

$$\text{Total CO}_2 \text{ Emissions} = \frac{2689.59}{17} \times 150 = \mathbf{23,731.67 \text{ gram or } 23.731\text{Kg/day}}$$

**When Vehicle travelling in 320 Days in Year =**

$$23.731 \times 320 = 7593.92 \text{ Kg/year or } \mathbf{7.593 \text{ ton/year}}$$



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### 3.6 Other Emissions Excluded

This study did not evaluate the carbon sequestration potential of existing plantation activities and emission from the staff commuting, food supply, official flights, paper products, water supply, and waste disposal and recycling due to limited data availability. The current study identifies areas where data monitoring, recording and archiving need to be developed for enlarging the scope of mapping of GHGs emission in the future years. Accordingly, a set of tools and record keeping procedure will be developed for improving the quality of data collection for the next year carbon footprint studies.

**Total Carbon Footprint generated** = Carbon footprint by electricity  
**By the campus** +  
Carbon foot print by vehicle

**Total Carbon Foot**  
**Print by campus: -**  $6.22 + 7.59 = 13.82 \text{ tons/year}$





## CHAPTER- 4 WASTE MANAGEMENT

### 4.1 About Waste:

Human activities create waste, and it is the way these wastes are handled, stored, collected and disposed of, which can pose risks to the environment and to public health. Waste management is important for an eco-friendly campus. In college different types of wastes are generated, its collection and management are very challenging.

Solid waste can be divided into three categories: bio-degradable, non-biodegradable and hazardous waste. A bio-degradable waste includes food wastes, canteen waste, wastes from toilets etc. Non-biodegradable wastes include what is usually thrown away in homes and schools such as plastic, tins and glass bottles etc. Hazardous waste is waste that is likely to be a threat to health or the environment like cleaning chemicals, acids and petrol.

Unscientific management of these wastes such as dumping in pits or burning them may cause harmful discharge of contaminants into soil and water supplies, and produce greenhouse gases contributing to global climate change respectively. Special attention should be given to the handling and management of hazardous waste generated in the college. Bio-degradable waste can be effectively utilized for energy generation purposes through anaerobic digestion or can be converted to fertilizer by composting technology. Non-biodegradable waste can be utilized through recycling and reuse. Thus the minimization of solid waste is essential to a sustainable college. The auditor diagnoses the prevailing waste disposal policies and suggests the best way to combat the problems.

Table-4.1 Different types of waste generated in the college campus.

Sr. No.	Types of Waste	Particulars
1	Solid wastes	Damaged furniture, paper waste, paper plates, food wastes etc
2	Plastic waste	Pen, Refill, Plastic water bottles and other plastic containers, wrappers etc
3	E-Waste	Computers, electrical and electronic parts etc
4	Glass waste	Broken glass wares from the labs etc
5	Chemical wastes	Laboratory waste etc
6	Bio-medical Waste	Sanitary Napkin etc



#### 4.2 Waste management Practices adopted by the college

College is implemented “Single dust Bin” waste collection system. All kind of waste generated from various activity is collected.



Figure 4.1: - Waste collection bin in college campus

#### **Recommendation:**

It is recommended adopted 5 Bin Waste Collection System for collect different type of waste generated in college premises.

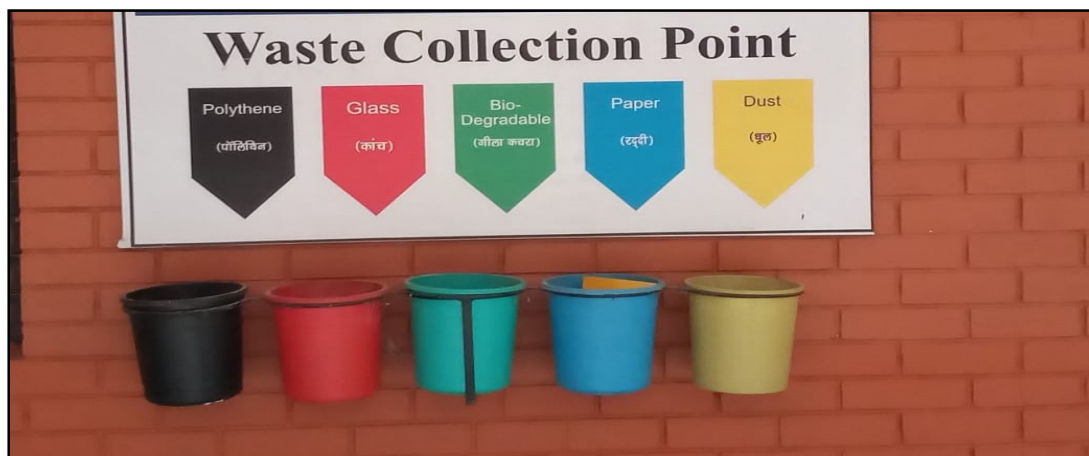


Fig. 4.2: Recommended 5 Dust Bin waste collection System





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**4.3 Waste Collection Points:**

Audit team also visited various departments, and find out waste generation area and waste collection points for further improvement.

Table:4.2 Detailed of Waste collection Dust bin system in College Campus

Sr. No	Location/ Name of Building	Type of waste	Type of Colour	Quantity (no.)
1	Admin Building	Pages, Register cover, files, plastic file covers, pen, refills, markers, stapler pins, CD	Green	1
2	Academic Zone	Paper files, threads, pins, gloves, glass wares, aprons, needles, pen, pencils waste, covers, syringe, laboratory equipment, chemical bottles	Green	1
3	Sports & Extension Wing	Woods, wood powder, broken bods, crush balls, sticks, ropes, bandages, water bottles, gloves, boxes, clothes (sport), socks, shoes, waste sport material	Green	1
4	Sports Ground	Organic wastes, water bottles, glucose bottles, bandages, fruit wastes, pipes, broken instruments, nets	Green	1
5	Garden	Broken Plants, leaves, organic waste, rappers, water can, pots, sapling covers, sapling pots, fertilizer and medicinal bottles	Green	1
6	Parking Zone	Tyre tubes, oil, petrol bottles, sponges, seat covers, vehicle spare parts, water bottles, polyethene	-	0
7	Back Yard	Snack pockets, Candy packets, unusable pen and pencils, waste stationeries	-	0
8	Management Zone	Pages, Register cover, files, plastic file covers, pen, refills, markers, stapler pins, CD	Green	1
9	Nursery & Botanical Garden	Broken Plants, leaves, organic waste, rappers, water can, pots, sapling covers, sapling pots, fertilizer and medicinal bottles	Green	1
10	Oxygen Park	Dry leaves, plastic, broken pipe	-	0
11	Corridor	Pages, pen wastes, refills, markers, stapler pins, dry leaves	Green	1

**Observation**

There is no dustbin in Parking zone, Back yard & Oxygen Park.



## **CHAPTER- 5**

### **RECOMMENDATIONS AND SUGGESTIONS**

#### **5.1 QR Code Systems**

While the world seems to be going digital, people lack the time to read books and process the information they contain. Hence, College can be provided QR codes on the trees for its information and to exploit the rapidly growing platform for a unique purpose.



Fig: 5.1 QR Code System for plants

These codes can give students all the information they need to know about the tree from its scientific name to its medicinal value. They only need to put their smart-phones to use. QR codes to them, making it easier for everybody to learn about a plant or a tree at the tip of their fingers.” If any app generating a QR code, which is available for free on the online stores, can be used to avail the information of the trees.





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## 5.2 Other Useful Suggestions

Some of the very important suggestions are: -

- ✚ Adopt the proposed Environmentally Responsible Purchasing Policy, and work towards creating and implementing a strategy to reduce the environmental impact of its purchasing decisions.
- ✚ Increase recycling education on campus.
- ✚ Increase Awareness of Environmentally Sustainable Development in College campus.
- ✚ Practice Institutional Ecology- Set an example of environmental responsibility by establishing institutional ecology policies and practices of resource conservation, recycling, waste reduction, and environmentally sound operations.
- ✚ Involve All Stakeholders- Encourage involvement of government, foundations, and industry in supporting interdisciplinary research, education, policy formation, and information exchange in environmentally sustainable development.
- ✚ Collaborate for Interdisciplinary Approaches- To develop interdisciplinary approaches to curricula, research initiatives, operations, and outreach activities that support an environmentally sustainable future.
- ✚ Increase reduces, reuse, and recycle education on campus.
- ✚ Develop a butterfly garden that arouses appreciation towards flora and fauna diversity.
- ✚ Name all the trees and plants (Plant DNA barcodes) with its common name and scientific name.
- ✚ Arrange training programmes on environmental management system and nature conservation.
- ✚ Renovation of cooking system in the canteen to save gas by installation solar water heater system with heat pump.
- ✚ Establish a procurement policy that is energy saving and eco-friendly.



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**ANNEXURE**

**Recommendation for Herbal & medicinal plants:**

S.No.	Hindi Name	Botanical Name	Family
1	Asopalav	<i>Polyalthia longifolia</i>	Annonaceae
2	Gudhal	<i>Hibiscus-rosa-sinensis</i>	Malvaceae
3	Nandee	<i>Ficus Benjamina</i>	Moraceae
4	Bahera	<i>Terminalia Bellirica</i>	Combretaceae
5	Khirni	<i>Manilkara hexandra</i>	Sapotaceae
6	Kaner	<i>Nerium indicum</i>	Apocynaceae
7	Champa	<i>Plumeria fragrance</i>	Apocynaceae
8	Peepal	<i>Ficus religiosa</i>	Moraceae
9	Jackfruit	<i>Artocarpus heterophyllus</i>	Moraceae
10	Amla	<i>Emblica officinalis</i>	Euphorbiaceae
11	Bael	<i>Aegle marmelos</i>	Rutaceae
12	Amrood	<i>Psidium guajava</i>	Myrtaceae
13	Ghratkumari	<i>Aloe barbadensis</i>	Liliaceae
14	Nimbu	<i>Citrus lemon</i>	Rutaceae
15	Mogra	<i>Jasminum sambac</i>	Oleaceae
16	Parijaat	<i>Nyctanthes arbor-tristis</i>	Oleaceae
17	Aam	<i>Mangifera indica</i>	Anacardiaceae
18	Peela kaner	<i>Thevetia nerifolia</i>	Apocynaceae
19	Jaamun	<i>Syzygium cumini</i>	Myrtaceae
20	Kachnar	<i>Bauhinia variegata</i>	Fabaceae
21	Ratanjot	<i>Jatropha curcas</i>	Euphorbiaceae
22	Shewt ark	<i>Calotropis procera</i>	Asclepiadaceae
23	Drumstick	<i>Moringa oleifera</i>	Moringaceae
24	Neem	<i>Azadirachta indica</i>	Meliaceae
25	Arandi	<i>Ricinus communis</i>	Euphorbiaceae
26	Arjuna	<i>Terminlia arjuna</i>	Combretaceae
27	Putranjiva	<i>Putranjiva roxburghii</i>	Putranjivaceae
28	Anjeer	<i>Ficus carica</i>	Moraceae
29	Shikakai	<i>Acacia concina</i>	Fabaceae
30	Pila amaltas	<i>Cassia glauca</i>	Fabaceae
31	Nirgundi	<i>Vitex negundo</i>	Lemiaceae
32	Sheesham	<i>Dalbergia sissoo</i>	fabaceae
33	Dhawda/ Gumghatti	<i>Anogeissus latifolia</i>	Combrataceae
34	Paras peepal	<i>Thespsia populina</i>	Malvaceae
35	Kanak champa	<i>Pterospermum acerifolium</i>	Malvaceae
36	Maulshree	<i>Mimusops alengi</i>	Sapotaceae
37	Tendu	<i>Diospyros melanoxylon</i>	Ebanaceae





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[www.eeplgroups.com](http://www.eeplgroups.com), email:-[eempirical18@gmail.com](mailto:eempirical18@gmail.com)  
CIN No: U74999MP2018PTC045751

**Ref No: EEPL/2021-22/C-83**

**Date: 13-12-2021**

## **ENERGY AUDIT CERTIFICATE**

This is certified that Empirical Exergy Private Limited (EEPL) Indore, M.P. has conducted Detailed Energy audit at **Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur** for the academic Year 2020-21 and audit report has been submitted.

We avail this opportunity to express our deep and sincere gratitude to the management for their whole hearted support and co-operations during the energy audit.

This certificate is being issued on the basis of the Energy Audit conducted by EEPL.

**For- Empirical Exergy Private Limited**



**Rajesh Kumar Singadiya (Director)**

M.Tech. (Energy Management), Ph.D. (Research Scholar)  
Accredited Energy Auditor [AEA-0284]  
Certified Energy Auditor [CEA-7271]  
(BEE, Ministry of Power, Govt. of India)  
Empanelled Energy Auditor with MPUVN, Bhopal M.P.  
Lead Auditor ISO50001:2011 [EnMS) from FICCI, Delhi  
Certified Water Auditor (NPC, Govt of India)  
Chartered Engineer [M-1699118], The Institution of Engineers (India)  
Member of ISHRAE [58150]



# **Empirical Exergy Private Limited**

Registered Office: 18-E, Sudama Nagar, Indore -452009

Office (Indore): Flat No. 201, Om Apartment, 214 Indrapuri, Indore (M.P.),

Contact: +91-731-4948831, Mobile: +91-78693-27256, 88713-68108

[www.eeplgroups.com](http://www.eeplgroups.com), email:-[eempirical18@gmail.com](mailto:eempirical18@gmail.com)

CIN No: U74999MP2018PTC045751

**Ref. No: EEPL/2021-22/C-85**

**Date: - 13-12-2021**

## **GREEN AUDIT CERTIFICATE**

This is certified that Empirical Exergy Private Limited (EEPL), Indore, M.P. has conducted green audit at **Jeevan Vikas Mahavidyalaya, Devgram (Thugaondeo), Nagpur** for the academic year 2020-21 and audit report has been submitted.

We avail this opportunity to express our deep and sincere gratitude to the management for their whole hearted support and co-operations during the green audit.

This certificate is being issued on the basis of the Green Audit conducted by EEPL.

**For- Empirical Exergy Private Limited**



**Rajesh Kumar Singadiya (Director)**

M.Tech (Energy Management), PhD (Research Scholar)

Accredited Energy Auditor [AEA-0284]

Certified Energy Auditor [CEA-7271]

(BEE, Ministry of Power, Govt. of India)

Empanelled Energy Auditor with MPUVN, Bhopal M.P.

Lead Auditor ISO50001:2011 [EnMS] from FICCI, Delhi

Certified Water Auditor (NPC, Govt of India)

Chartered Engineer [M-1699118], The Institution of Engineers (India)

Member of ISHRAE [58150]



**Course Name: Diploma In Fashion Designing**

Course Code - DFD

Duration			Examination Marking Scheme		
Lecture hr	Practical Hr.	Total Hrs.	Theory Exam (3 years)	Internal / project (3 years)	Practical Exam.
40	80	120	150	150	100

Syllabus:

Sr. No.	Year	Chapter Name	Course Outline		Duration (Hours)	
			Theory	Practical	Theory	Practicals
1	1st Year	Unit 1: Basic Introduction and Fundamental Concept of Sewing Machine	<b>1.1 Sewing Machine Introduction</b>  Different parts of machine and their functions Safety precautions Proper maintenance and oiling. Troubleshooting, Causes and Remedies.	2. Removing parts and practice in refixing 3. Adjusting the parts for proper functioning 4. Practice in cleaning and oiling	15	25
			<b>1.2 Tools and Equipments used in tailoring</b> Description of various tools used in tailoring- Drafting tools, Cutting Tools, Stitching tools	Practicing with use of- 1. Different Scissors 3. Thimble etc.		
			<b>1.3 Dress Sketching:</b> For Ladies- Neckline Sketching Sleeve Sketching Skirt Sketching	Practice on different type of sketching.		
			<b>1.4 Terminology uses in Tailoring</b> Specific terms used in drafting, cutting & stitching	Practice in using proper terms.		
			<b>1.5 Measurement taking</b> Use of tape for measurement Measurement Chart.	Practice in using tape		
			Proper / correct measurement taking and Precautions Sequence of measurement	Taking measurement Sequencing of measurement.		
			<b>1.6 Drafting / Pattern Making</b> Need for drafting and pattern making Method of preparing draft Preparing pattern cutting	Practice in Simple drafting Pattern making Paper pattern cutting		
		<b>Cutting and Stitching-Basic</b>	<b>2.1 Basic Stitching</b>			
			1. Hand stitches	Preparation of sample pieces with Back Stitch, Stem Stitch, Chain Stitch and Running Stitch		
			2. Machine stitches 3. Decorative stitches	Decorative stitches by Hand and on Machine.		
			<b>2.2. Construction Skills</b> Knowledge about: Seams, Drafts, Tucks, Pleats, Buttons Hole, Buttons Hooks and snage, Eye, Titch buttons	Preparation of sample pieces using all construction skills.		
			<b>2.4 Estimation of Cloth</b> How to estimate cloth for	Estimation by giving		

		garments	various measurements			
		<b>2.5 Colour Combination</b>				
		Study of Colour wheel and	Practicals in selection of			
		Colour combination for buttons, thread & cloth.	colour combination			
			(contrast & harmony)			
		<b>2.6 Simple Cutting and Stitching</b>				
		1. How to mark the measurements on cloth before cutting	1. Marking with different measurement			
		2. Leaving margin for inlays and turnings	2. Cutting the cloth as per marking, leaving margin for inlays and turnings.			
		3. Skills in Stitching	3. Practice in stitching on paper for straight zigzag, round etc.			
			4. Stitching of - For Ladies: Mask, Handkerchief, Bib, Gift bag Potli, Pillow cover, Bags, Quilting, Baby Suit, Baby frock, Baby box skirt.			
	Cutting & Stitching work on Tailoring skill	<b>3.1 Use of velcrow &amp; Elastic</b>	Fixing velcrow &			
			- Elastic insetion			
		<b>3.2 Tailoring Skills</b>				
		Discription of Drafting, paper pattern making, cutting, stitching and finishing of following garments:	1. Stitching of different baby			
		1. Children Garments	garments-			
		2. Ladies Garments	-L lining frock			
			- Umbrella frock			
			-School uniform			
			-Sarees Pico Fall to			
	Dress Making	<b>4.1 Advanced Construction Skills</b>				
		Type of facing, binding	Practice in construction			
		1. Zip application	skills			
		2. Elastic insertion				
		3. Design darts, Yokes & midrift				
		4. Waist band application				
		<b>4.2 Tailoring skills</b>				
		Notch collar-Roll collar	Drafting, paper pattern making, cutting and stitching of garments with Tailor marks, Fittings & alterations: 1. Ladies garments -Kurti and Salwar -Anarkai collar dress -Blouses- one tucks, four tucks, Katori, Prince cut etc			
		<b>Theory Exam</b>	<b>Practical Examination</b>			
2nd Year	Unit-1 Fiber to fabric	1.1 Natural and manmade 1.2 Properties of fiber , identification characteristic - cotton, wool,silk, polyester. 1.3 Yarn (a) What is yarn? (b) what is spinning? (c) Yarn classificatiopn		10	30	



1	Unit-3 Fiber to fabric	3.1 Introduction of basic blocks.	3.1 prepare the basic body block of kids Baby Boy Suits, Baby Frock , 3.4. Types of Seam, Darts, Trucks, Pleats, Ruffles, Frills		
		3.2 Pattern making tools			
		3.3 methods of pattern development			
		3.4 Types of seam, darts, trucks, pleats, ruffles, frills.			
		3.5 Fittings			
		Problems of fitting and correction			
	Practice in correcting patterns				
	Any Project from following List:				
	Project - 01- Any Kids wear garment				
	Project - 02- Any Embroidery worked Garment				
	Project - 03 Any Decorative Garment				
	Project - 04 Any Traditional Garment				
	Project - 05 Any Ladies wear Garment				
	<b>Theory Exam</b>	<b>Practical Examination</b>			
3rd Year	Unit-1 method of fabric construction	1.1 Loom types of weaves or classification of weaves. 1.2 Types of yarns ( ply, novelty, slob, spiral). 1.3 Yarn finishing	1.1 Loom types of weaves or classification of weaves. 1.2 Types of yarns ( ply, novelty, slob, spiral).	15	25
	Unit -2 Tools & Equipment of measuring	2.1 Pressing and finishing (in details) 2.2 Introduction to paper pattern essential symbol and marking used in pattern & garment. 2.3 Placing ,marking,& cutting on plain	Make Album of Collection of fabric sample/Type of wave/ Type of neck design and Collers/ Type of Sleeve and Skirts		
	Unit- 3 garment construction	3.1 Advance kids (york, Gathers, pleats ) 3.2 Basic body of standard women 3.3 Adaption of basic for variation ( kurta, salwar, chudidar /pant style	Prepare the record book with layout, drafting, cutting and stitching details: 1.Make Kitchen Apron with printed check and Plain fabric 2.Make any article- Mobile pouch, Shopping bag, Blanket cover, Sarrie cover from waste material and Recycled 3.clothStitching of Zabala, Romper, Bonnet, Kurta, Salwar, Chuddidar etc		
	Unit-4 Fashion terminology	4.1 Principal of fashion and design harmony, Proportion,Balance, Rhythm ,Emphasis 4.2 componets of fashion shape or silhouette ,line,colours and texture. 4.3 silhouette its details.	Fashion Terminology (Symbolic word) and Enlisting symbols used in fashion designing		
		<b>Theory Exam</b>	<b>Practical Examination</b>		

**6.2.2: The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.**

### **Content:**

**Governing body of College and Various college committees**

**Organogram**

**Link to Policy Document**

Being an affiliated college of to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Our college adheres to the rules and regulations laid down by the UGC, Govt. of Maharashtra, and the affiliating parent university. At the level, College Development Committee is the apex managing body which consists of the members of the parent management, representatives of teachers and non-teaching staff, nominated members and the Principal as an ex-officio member. The Principal is an academic and administrative head of the college. The IQAC is backbone of college for quality education and it consists of Principal and Chairman, teachers, non-teaching staff, nominated members of the Alumni Association, local bodies, members from the industry, a student representative. The College Council consists of all the permanent teachers. The Students' Council is also formed as per the directives of the affiliated university. The office- staff includes Head Clerks, Senior Clerks, Junior Clerks, Accountant, Store-Keepers, Laboratory assistant, Laboratory attendants, peons, sweepers, watchmen works under the supervision of the Principal.

The Senior faculty members have been given the responsibility of heading their respective departments. Principal nominates a senior faculty member as head of the faculty. The college authorities provide freedom and opportunities to each of the faculty



members to plan and implement the various academic, extracurricular and extension activities through various committees, which helps enhance and maintain the quality at all levels. Students' leadership is encouraged through the Students' Council, which is formed every year as per the Maharashtra University Act, under the provision of the Section 40(2)b. The students' representatives are nominated on various academic and extracurricular committees related to students. In the design and implementation of the quality policies and plans, a proper hierarchy is maintained. The Principal and the faculty members are committed and ever supportive through the CDC, the College Council and the IQAC.

**Service Rules:** The College follows the rules and regulations pertaining to the service rules and conditions laid down by the affiliated university- Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, the UGC and the Government of Maharashtra from time to time.

**Procedure for Recruitment:** The recruitment of all the college posts- the permanent posts (Grant-in-aid) and temporary posts (Non-Grant) are done by the parent management as per the norms and procedure laid down by the UGC, Government of Maharashtra and affiliating University.

**Procedure for Promotion:** Promotion to the faculty is given according to the directions and the CAS rules of the parent University RTMNU, Nagpur, UGC, and the Government of Maharashtra.

**Grievances Redressal Mechanism:** The College has a Discipline Committee, Vishakaha Committee, Anti Sexual Harassment Committee, Anti-Ragging Committee, and Grievances Redressal Committee for the timely redressal of the grievances of the students and the faculty members, if any.


## Governing Body and Various College Committees

### Executive Committee (Governing Body)

Sr. No.	Name	Designation
1	Mr. Bhaskar R. Vighe	President
2	Mr. Marotrao M. Sarode	Vice- President
3	Mr. P. R. Rajarao	Treasurer
4	Dr. Amishi D. Arora	Secretary
5	Dr. Dipak G. Arajpure	Joint- secretary
6	Dr. Devendra S. Bhongade	Director
7	Dr. Yogesh M. Sarode	Director

  
**Convener**  
Internal Quality Assurance  
Cell (IQAC), JVM Thugaondeo  
Dist. Nagpur (M.S.)



  
**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur



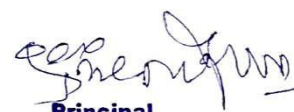
## COLLEGE DEVELOPMENT COMMITTEE

01/04/2023 to 31/03/2028

Sr.No.	Name	Designation
1	Dr. Bhaskar Vighe	Chairman
2	Dr. Amishi Arora	Member
3	Dr. Devendra Bhongade	Member /Secretary
4	Mr. Irfhan Khoja	Member (Industry)
5	Dr. Mrunal Sharma	Member ( Social)
6	Dr. Vishal Panse	Member (Research)
7	Dr. Jobi George	Member (Education)
8	Dr. Raju Shrirame	Member (HoD)
9	Dr. Pravin Gharpure	Member (Teacher Representative)
10	Dr.Yogesh Sarode	Member (Teacher Representative)
11	Dr. Kalyani Thakre	Member (Woman Representative)
12	Dr. Mangesh Acharya	Member (Co-ordinator IQAC)
13	Mr. Rajesh Ingale	Member Non-Teaching Representative
14	Mr. Rayba Thote	Member (President Students' Council)
15	Ku. Pallavi Mohariya	Member (Secretary Students' Council)



**Convener**  
Internal Quality Assurance  
Cell (IQAC),JVM Thugaondeo  
Dist. Nagpur (M.S.)



**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur

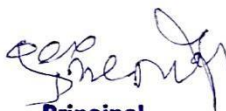
## INTERNAL QUALITY ASSURANCE CELL (IQAC)

01/07/2020 to 30/04/2025

Sr. No.	Name	Position Held/Designation
1	Dr. Devendra Bhongade	Chairperson/ Head of the Institution
2	Dr. Amishi Arora	Member/ Management Representative
3	Dr. Abhay Solunke	Member/Sr. Administrative Officer
4	Dr. Vinita Virgandham	Member/ Sr. Administrative Officer
5	Dr. Yogesh Banginwar	Invited Member
6	Dr. Vishal Panse	Invited Member
7	Dr. Mangesh Acharya	Co-ordinator
8	Dr. Raju Shrirame	Member/ Teacher representative
9	Dr. Yogesh Sarode	Member/ Teacher representative
10	Dr. Pravin Gharpure	Member/ Teacher representative
11	Dr. Kalyanee Thakre	Member/ Teacher representative
12	Dr. Mrunal Sharma	Nominee/ Local Society Representative
13	Mr. Balasaheb Thakre	Nominee/ Stakeholder Representative
14	Mr. Dinesh Pangul	Nominee/ Alumni representative
15	Mr. Raiba Thote	Students Representative

  
**Convener**  
Internal Quality Assurance  
Cell (IQAC), JVM Thugaondeo  
Dist. Nagpur (M.S.)



  
**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur



**Academic Planning Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. R.G. Shirame	Coordinator
2	Dr. P. M. Gharpure	Member
3	Dr. D.G. Arajpure	Member
4	Dr. Y.M. Sarode	Member
5	Dr. M.G.Acharya	Member
6	Miss P.N.Ingole	Member
7	Dr. Trupti Thakre	Member
8	Mr. Devendra Wasade	Member
9	Mr. P.D. Sukhadeve	Member

**Discipline, Vigilance and code of conduct Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Dipak Arajpure (Director, Physical Education)	Coordinator
2	All Head of Departments	Member
3	All Teacher Guardian	Member

**Purchase Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. D. S. Bhongade	<b>Chairman</b>
2	Dr. D. G. Arajpure (Management Representative)	Member
3	Dr. Raju Shirame	Member
4	Yogesh Sarode	Member
5	Raju Ingale	Member

**Construction Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Devendra S. Bhongade	<b>Chairman</b>
2	Dr. Dipak Arajpure (Management Representative)	Member
3	Mr. Aniket Thakur (Architect)	Member
4	Mr. Chore (Society's Engineer)	Member
5	Mr. Dinesh Pangul	Member

**Committee for Entrepreneurship cell:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Raju Shirame	Coordinator
2	Mr. Pritam Sukhadeve	Member
3	Mr. Prashant Dakhole	Member
4	Mr. Chetan Surjuse	Member
5	Mr. Devendra Wasade	Member

**University / College Examination Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Ygesh Sarode	Coordinator
2	Dr. Raju Shirame	Member
3	Dr. Pravin Gharpure	Member
4	Dr. Mangesh Acharya	Member
5	Dr. Pranali Ingole	Member
6	Mr. Pritam Sukhdeve	Member
7	Mr. Prashant Dakhole	Member



**Research Advisory Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Raju Shrirame	Chairman
2	Dr.Pritam Sukhadeve	Coordinator
3	Dr. Yogesh Sarode	Member
4	Dr. Mangesh Acharya	Member
5	Dr. Pranali Ingole	Member

**UGC Interface Committee (Proposals to Funding Agencies):**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Yogesh Sarode	Coordinator
2	Dr Mangesh Acharya	Member
3	Dr. Raju Shrirame	Member

**Cultural Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Pravin Gharpure	Co-ordinator
2	Dr. Pranali Ingole	Co-ordinator
3	Mr. Prashant Dakhole	Member
4	Mr. Chetan Surjuse	Member
5	Miss Sushama Paraye	Member

**Campus Beautification Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Dipak Arajpure	Co-ordinator
2	Mr. Dinesh Pangul	Member
3	Mr. Devendra Wasade	Member
4	Mr. Anil More	Member
5	Mr. manoj Mahanande	Member

**Environment & Green Audit Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
<b>1</b>	Dr. Dipak Arajpur	<b>Co-ordinator</b>
<b>2</b>	Mr. Pritam Sukhadeve	<b>Member</b>
<b>3</b>	Miss Bhavna Yavale	<b>Member</b>

**Energy Audit Committee:**

<b>r. No.</b>	<b>Name</b>	<b>Designation</b>
<b>1</b>	Dr Yogesh Sarode	Chairman
<b>2</b>	Dr. Mangesh Acharya	Co-ordinator
<b>3</b>	Mr. Devendra Wasade	Member



**Library Committee:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Mr. Devendra Wasade	Coordinator
2	Dr. Raju Shrirame	Member
3	Dr. Pravin Gharpure	Member
4	Dr. Yogesh Sarode	Member
5	Dr. Mangesh Acharya	Member
6	Mr. Prashant Dakhole	Member
7	Mr. Pritam Sukkhadeve	Member

**Committee for Alumni Association:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Mr. J.V. Hiwarkar	President
2	Mr. N. P. Wasade	Vice President
3	Mr. D. R. Pandav	Secretary
4	Mr. S. B. Khadse	Member
5	Miss. P. N. Ingole	Member
6	Mr. V. V. Thote	Member
7	Mr. N. M. Sarode	Member
8	Mr. A. A. Nandgave	Member
9	Mr. P. K. Potpite	Member
10	Mr. M.S. Gokhe	Member
11	Mr. J. P. Bhakre	Member

### **Anti- Raging Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
<b>1</b>	Dr. R. G. Shrirame	Coordinator
<b>2</b>	Dr. D.G. Arajpure	Member
<b>3</b>	Dr. P. M. Gharpure	Member
<b>4</b>	Dr. Miss. P. N. Ingole	Member
<b>5</b>	Mr. R. S. Ingale	Member

Anti ragging committee should be headed by Head of the Institution and shall consists of representatives of faculty members, civil administration, police administration, NGOs, parents and students belonging to fresher's as well as senior's and from non-teaching staff. It shall consider the recommendations from anti-ragging squad and take appropriate decision including spelling out suitable punishment to those who found guilty.

### **Grievances and Redressal Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. R. G. Shrirame	Coordinator
2	Dr. D.G. Arajpure	Member
3	Dr. P. M. Gharpure	Member
4	Dr. Miss. P. N. Ingole	Member
5	Mr. R. S. Ingale	Member

The grievances and redressal committee is constituted in the college. It includes Principal as Chairman, staff representative of CDC, faculty incharge of all faculties, and representative from non-teaching staff. The students can submit their grievances in writing to the Chairman of this committee through faculty incharge of respective faculty. The committee meets, as and when required and take suitable measures for the grievances addressed to it.



**Committee of Health Centre:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. R. G. Shrirame	Coordinator
2	Dr.Mrunal Sharma (Medical Practioner)	Member
3	Dr. Sanjay Solanke (Medical Officer)	Member
4	Dr. D.G. Arajpure	Member
5	Dr. Miss. P. N. Ingole	Member

**Games & Sports Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. D.G. Arajpure	Coordinator
2	Dr. Y. M. Sarode	Member
3	Mr. P. S. Dakhoye	Member
4	Mr. C. N. Surjuse	Member
5	Dr. Miss. P. N. Ingole	Member

**Stock Verification Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. D.G. Arajpure	Coordinator
2	Dr. R. G. Shrirame	Member
3	Mr. D. H. Wasade	Member
4	Mr. R. S. Ingale	Member
5	Mr. A. B. More	Member

### Committee for Career Oriented Program :

Sr. No.	Name	Designation
1	Dr. R. G. Shrirame	Coordinator
2	Dr. P. M. Gharpure	Member
3	All Course Coordinator	Member

### Grievance Committee for Women: (Prevention of Sexual Harassment at workplace)

#### VISHAKHA Samitee

Sr. No.	Name	Designation
1	Dr. P. N. Ingole	Prsiding officer
2	Dr. Raju shrirme	Member
3	Dr. Mangesh Acharya	Member
4	Rekha Dodke	Member
5	Raju Ingale	Member
6	Pallvai Mahiriye	Member
7	Samiksha Pangul	Member
8	Adv. Miss Varsha Bopche (Lady Lawyer)	Member
9	Anil Rewatkar  (One female/Male representative of Non-governmental organization, activity engaged in the welfare of Women)	Member

The Committee is constituted in accordance with the provisions of Sexual Harassment of women at workplace (Prevention, Prohibition and Redress) act 2013. Any women (employee or student) can approach to this committee directly or through Principal, if she has any grievance of harassment of the nature stipulated in the act.



**Committee of Placement cell:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Raju shrirame	Coordinator
2	Mr. Pritam Sukhadeve	Member
3	Mr. Prashant Dakhole	Member
4	Mr. Chetan Surjuse	Member
5	Mr. Devendra Wasade	Member

**Students-Teachers Guardian Scheme :**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. D.S. Bhongade	Chairperson
2	Dr. R.G. Shrirame	Coordinator
3	Dr. P. M. Gharpure	Member
4	Dr. D.G. Arajpure	Member
5	Dr. Y.M. Sarode	Member
6	Dr. M.G.Acharya	Member
7	Miss.P.N.Ingole	Member
8	Dr. Trupti Thakre	Member
9	Mr. Devendra Wasade	Member
10	Miss. K.D. Wadbude	Member
11	Mr. P.D. Sukhadeve	Member
12	Miss. Rumani Kalambe	Member
13	Mr. Akshay Ganorkar	Member
14	Miss. Tanuja Sonare	Member
15	Mr. Chetan Surjuse	Member
16	Chetana Rewatkar	Member
17	Mr. Nandkishor Charpe	Member
18	Dr. Shital Barange	Member
19	Mr. Sumit Gurchal	Member

20	Kajal Madakwade	Member
21	Miss Bhavna Yawale	Member
22	Miss Leena Nanotkar	Member
23	Mr. Mahesh Kailukhe	Member
24	Kirti Gotamre	Member
25	Mr. Ajay Kharpate	Member
26	Mr. Umesh Niswade	Member
27	Miss Zeba Khan	Member
28	Miss Sushma Paraye	Member
29	Ashok Kapse	Member
30	Miss. Shital Raut	Member
31	Mr. Khushal Chore	Member
32	Miss. Ashvini Darokar	Member
33	Miss. Komal Gole	Member

### **Educational Tours/ Industrial Visits:**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. R.G. Shrirame	Coordinator
2	Dr. P. M. Gharpure	Member
3	Dr. D.G. Arajpure	Member
4	Dr. Y.M. Sarode	Member
5	Dr. M.G.Acharya	Member
6	Miss.P.N.Ingole	Member
7	Dr. Trupti Thakre	Member
8	Mr. Devendra Wasade	Member



**Student's feedback Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>
1	Dr. R.G. Shrirame	Coordinator
2	Dr. P. M. Gharpure	Member
3	Dr. D.G. Arajpure	Member
4	Dr. Y.M. Sarode	Member
5	Dr. M.G.Acharya	Member
6	Miss.P.N.Ingole	Member
7	Dr. Trupti Thakre	Member
8	Mr. Devendra Wasade	Member
9	Miss. K.D. Wadbude	Member
10	Mr. P.D. Sukhadeve	Member

**Publicity and Public Relation Committee:**


<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Dr. Pravin Gharpure	Coordinator
2	Mr. Pritam Sukhadeve	Member
3	Mr. Prashant Dakhole	Member
4	Mr. Devendra Wasade	Member

### College Magazine Committee:

Sr. No.	Name	Designation
1	Dr. R.G. Shrirame	Member
2	Dr. P. M. Gharpure	Member
3	Dr. D.G. Arajpure	Member
4	Dr. Y.M. Sarode	Member
5	Dr. M.G.Acharya	Member
6	Miss.P.N.Ingole	Member
7	Dr. Trupti Thakre	Member
8	Mr. Devendra Wasade	Member

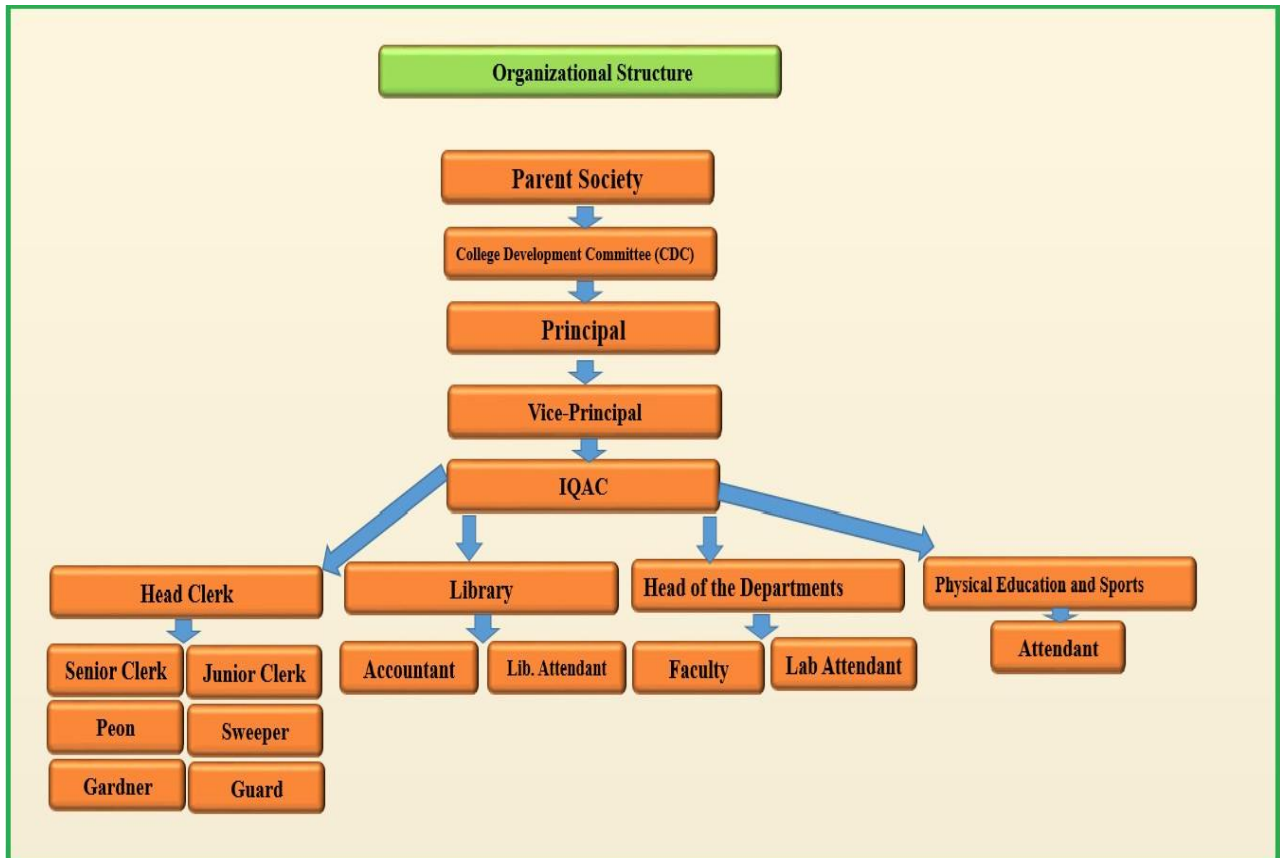
  
**Convener**  
Internal Quality Assurance  
Cell (IQAC), JVM Thugaondeo  
Dist. Nagpur (M.S.)



  
**Principal**  
Jeevan Vikas Mahavidyalaya  
Devgram (Thugaondeo)  
Tah. Narkhed, Dist. Nagpur



# Organogram of the College



*[Signature]*  
**Convener**  
 Internal Quality Assurance  
 Cell (IQAC), JVM Thugaondeo  
 Dist. Nagpur (M.S.)



*[Signature]*  
**Principal**  
 Jeevan Vikas Mahavidyalaya  
 Devgram (Thugaondeo)  
 Tah. Narkhed, Dist. Nagpur