

**Shrikrishnadas Jajoo Grameen Seva Mahavidyalaya,
Pipri- Wardha**



Green Audit & Energy Audit

Green Audit and Energy Audit Committee

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Introduction of the Institute

Shrikrishnadas Jajoo Grameen Seva Mahavidyalaya, Pipri- Wardha



Shrikrishnadas Jajoo Grameen Seva Mahavidyalaya (SJGSM) is the only college in the state of Maharashtra to run a degree programme in Rural Services. By very definition the B.A.(Rural Services) programme is meant for rural youth with a view to train them for rural development. Situated at Pipri-Wardha and in the vicinity of Sevagram and Pavnar, the College not only strives to practice the principles of Gandhi and Vinoba, but also to preserve the inherent rural ethos of the programme.

The college is fast emerging as the centre for rural development activity owing to its links with the adjoining villages through Community Development and Extension which is the core of B.A.(Rural Services) course and which distinguishes this course from the traditional B.A. course. In terms of Community Development and Extension, our students get first hand experience

and training in the field of agriculture and farming, environment, water conservation, Vermiculture, Sericulture, Horticulture projects, health & hygiene, rural and cottage industries, SHGs, cleanliness etc. The course thus not only qualifies our students for serious rural development activities but also enables them to pursue other courses and jobs through the study of such subjects as English, Marathi, Economics, Community Development and Extension, Sociology, Cooperation, English Literature, Marathi Literature.

The College enjoys perfect students- course compatibility as most of our students belong to the rural and agricultural background. The students, however, are offered modern teaching methods and technology to effect the rural modern balance. Thus, though the medium of instruction is Marathi and there is no scope for IT in the syllabus, our students are given compulsory value addition programs for proficiency in English language and ICT. We are a co-ed institute and, recently, we have also started Girls Hostel. It is encouraging for us that the number of girl students is as good as that of boys. The college has its own Career Guidance Cell which runs special competitive examinations preparatory programmes for final year students. The college also ensures that the extra curricular needs of the students are fulfilled through the organization of cultural /sports/extension activities. The year round programmes culminate in the college day program Yuvarang.

For the rural youth who have both professional and vocational ambitions and who mean to be good students, SJGSM and Shiksha Mandal, Wardha are the right destinations.

Green Audit and Energy Audit

The process of assessing the environmental impact of an organization, process project, Product is green auditing. The term “Green” means eco-friendly or not damaging the environment. This can acronymically is called as “Global Readiness in Ensuring Ecological Neutrality” (GREEN). Green accounting can be defined as systematic identification quantification, recording, reporting & analysis of components of ecological diversity & expressing the same in financial or social terms. “Green Auditing”, an umbrella term, is known by another name “Environmental Auditing”. There is a provision of green audit in college campus. A committee has been formed to monitor the proper conservation and plantation of the plants in the campus. This college was established in 1958 and accredited with Grade 'A' by NAAC, Total area of the college main campus is 12 acres, of which approximately 25 percent is covered by herbs, shrubs and trees

Objective of Green Audit and Energy Audit

Meeting of Green Audit and Energy Audit committee was held on 10th August 2018 under the chairmanship of Principal Dr. P.M. Kalbhut. The objectives of Green Audit and Energy Audit were setup for future work and Audit.

Objectives are as fallows:

- 1) Ensure the greenery available in the campus and increase the plantation.
- 2) Improve and increase the system of Rain water harvesting.
- 3) Reduce the wastage of water and improve the water management.
- 4) Reduce the consumption of Electrical Lights and save energy.
- 5) Improve the system of Waste management and e-waste management.
- 6) Create awareness among students, staff and community towards efficient waste and e-waste management, Plantation, energy utilization, use of renewable energy sources etc.

Green Audit Report

Greenery and biodiversity:

Total area of the college main campus is 12 acres, of which approximately 25 percent is covered by herbs, shrubs and trees. In total, based on our data collected, there are 1372 plants in the college campus. In this, 35 are trees, 127 and rests are plants of average length and small plants. Each year various departments and committees such as NSS and others, organizes plantation programmes to increase the green area. A scheme of adoption of plant, keep monitoring and water when required is done by students and supervision by mentors.

A scheme of making a provision of drinking water for birds in the scorching heat of summer by the students. Teams of students are prepared under the supervision of faculty and allotted certain watering pots to refill and clean it regularly. It creates environmental consciousness among students and bonding



Plantation and Awareness programmes



Drinking water Pots for birds

Waste Management:

Solid Waste management: College has a system of solid waste management. Dustbins are placed in the entire campus, departments and girls' hostel. Regularly all the waste is collected and roughly segregated into bio-degradable and non degradable waste. The bio-degradable waste is dumped in large pits for conversion of compost.



Compost Project

The non-degradable waste is collected and sent for recycle

Liquid Waste management: There is a well planned sewage water drainage system made up of concealed pipes and sent to constructed septic tank. All washrooms in the premises are connected to septic tanks.

Waste Water management: There are drinking water arrangements for students and staff. All the waste water from these outlets is sent plants by connected channels or pipes.

E-waste:-

Mother institute Shiksha Mandal wardha has a central E-waste management system for all college under its central college collects its all e-waste are then The college inform shiksha mandal about it. Shiksha Mandal calls the recycler For collection and dispose it. No E-waste is thrown open to Nature.

For biomass Cleanliness drive in conducted in the college For weeding and clean lives and to promote dignity of labour among students.



Cleanliness drive by Students

Rain water Harvesting:

College has a system for rain water has harvesting. All the roof water from the college Building in channelized to soak pits near library building soak pit which is drained in the soil. To improve the ground water level. The run off water in also diverted to drainage soak pits near library building for recharge of grand water level.



Water Harvesting Project

The roof water and run off water from the open ground should be improved and increased

Green Practice:

The college is situated in the rural area. Maximum students are admitted from the rural area near by periphery approximately 350 students from the rural area come by public transport i.e. bus, approximately 130 to 140 students come by Bicycles, 80 to 85 students use motorcycles from the staff, 15 to 12 members use motorcycle, approximately 10 Staff members use car and motorcycles alternately and approximately 50 students from the near periphery walk for college.

The college premises are connected to all departments by pedestrian friendly roads (i.e. constructed by pavement block or tar roads).

College always observes and practices not to use or reduce the use of plastic which is hazardous to nature.

College office always use paper from both sides and one way used paper or water paper are reused from other side this practice is strictly followed to conserve the nature by reducing and reuse the paper. All the waste papers sent for recycling to make files etc.

There are three daily wage workers in the college who are appointed for cleaning, security of cycle stand and for watering of plants, cutting and pruning and maintenance of greenery in the campus.

There are two daily wages worker in the girl's hostel for all the garden works in the hostel.

College has to increase the expenditure on green initiatives and waste management.

Energy:

The College Building in well aerated by large cross ventilated windows so normally the use of Electric lights and fans is reduced. There are approximately 4-6 ceiling fans and 3-5 tube lights in every class room. From the data collected about energy utilization there is use of more than 35 percent energy saving LED tube lights.

There are seven solar lamps in the premises of Girls Hostel as a alterative evening energy source. In Girls hostel Hot water requirement in satisfied by using solar water geysers are installed. Three units of solar water geysers are installed having capacity of 2000 Liter of water due to this large amount of Electricity in saved



Solar lamps in the premises of Girls Hostel



Solar water geysers at Girls Hostel

The girls hostel of our college has a bio-gas unit which is run on waste food left from the hostel mess.



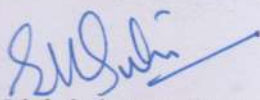
Bio-Gas unit at Girls hostel mess.

Recommendations:

Improve the greenery by plantation like trees and medicinal plants in the campus.

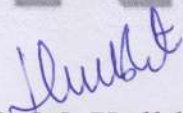
- Increase the use of LED lights and alternative energy sources.
- There should be improved waste management and waste segregation system.
- Rain water harvesting system should be made efficient. Increase number of soak pits to recharge ground water level.
- The roof water and run off water from the open ground should be improved and increased
- College has to increase the expenditure on green initiatives and waste management.
- College should practices reduce the use of plastic in the premise.




Prof. Shirish M. Sutar
Co-ordinator

Green Audit and Energy Audit
committee

Date : 12/04/2019


Dr. P. M. Kalbhut
Chaiman

Green Audit and Energy Audit
committee
PRINCIPAL

Shrikrishnadas Jajoo
Grameen Seva Mahavidyalaya
PIPRI (WARDHA)

