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യൂ ട്യൂബ് : THE TREE DOCTOR

REPORT OF GREEN/ENERGY/WATER AUDIT

EVALUATION 2020-21

I GREEN AUDIT

• ECO-FRIENDLINESS OF THE COLLEGE

The college is surrounded by lush green trees, shrubs and herbs. Some of the plants are very rare and protected naturally within the campus. It is a joy to note that the college promotes eco-friendly initiatives for the conservation and extension of its biodiversity. It is commendable that the college has elaborated its medicinal herbs collection and developed a medicinal garden with rare herbs of therapeutic values. Modification and redesigning of botanical garden is another achievement for college this year. Bio-farming, organic vegetable gardens are highlights of the campus. It is a delight to note that departments continue to maintain the curry leaf garden, bamboo garden and small-scale vegetable garden in the campus. Similar to last year, NSS unit of the college indulged actively in environment related programs. The unit has planted Guava saplings inside campus as a part of World Environment Day celebration. Individual students of NSS have also planted saplings in their house as a part of 'Clean Campus Green Campus' during the covid pandemic time. Further, NSS maintains the two compost pit which was created last year as a part of 'Clean Campus Green Campus' initiative.

• ECO-CONSCIOUSNESS OF THE STAFF.

The principal, the teaching and non-teaching staff are enthusiastically involved in environment related issues. They actively indulge in eco-friendly activities along with students who are interested. It deserves to be highlighted here that teachers and students have conducted deep and profuse study on biodiversity of spiders, fungus, birds, lichens and butterfly of the campus. It is admirable that some of these studies got published in reputed journals as well. It is interesting that some rare snakes and whip spiders identified by the staffs and students were reported in newspapers. Biodiversity documentation study conducted in collaboration with Kerala Biodiversity Board adds credibility to the findings and substantiates the active biodiversity studies that are being conducted in the campus by staff and students. Initiatives taken for setting an orchid garden within the campus is appreciable. It is commendable that the college has taken initiative to plant more tree



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saplings to compensate the loss of habitat due to the construction of new building. Annual maintenance is done to keep the natural pond clean which is the perennial water source for the campus.

- **ECO-FRIENDLY FORUMS IN THE CAMPUS**

It is commendable that Nature Club, NSS unit and departments are conducting bio-farming and ensuring environment protection in the campus. Further, clubs and departments are found to be actively indulged in conducting programs of environmental importance. Programs such as webinar on biodiversity conservation, quiz competition on tiger day celebration, national photography competition on World Environment Day celebration, Mobile photographic competition and Audio video visualization of birds of Western Ghats on National Bird Watching Day are commendable and praise worthy.

- **ECO-FRIENDLY ACTIVITIES IN THE CAMPUS**

The college observes various days like world environment day which promote environmental consciousness among students. It is a delight to note that departments have conducted workshop on paper pen making and cloth bag making for students as an alternative for plastic carry bags. Another program which is worth mentioning is MOOC course which is an initiative by Mahatma Gandhi University, a compulsory course for UG students. Its syllabus is strictly based on eco-friendly activities such as organic farming, organic manure making etc.

- **AWARENESS PROGRAMMES IN THE CAMPUS**

The Nature Club, departments, IQAC etc celebrated days associated with environment protection and sustainability. Webinars on “zero waste”, “jewels of air” and 7 day webinar series on environment based on the theme “Better Environment, Better Tomorrow” etc. are appreciable.

II WASTE MANAGEMENT AUDIT

- **BIO-WASTE MANAGEMENT.**

The college canteen has a bio-gas unit where the bio-waste of the campus is utilized for the formation of the bio-gas.



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- **PLASTIC WASTE MANAGEMENT**

The college claims to have initiated plastic re-use system. It is appreciable that college has tie up with Harithakarmasena unit of Vazhoor panchayat for the collection of unwanted/used plastics from campus. Also, setting two large bins for the separate collection of plastic and organic waste is a good initiative.

- **E-WASTE MANAGEMENT.**

It is appreciable that departments have conducted awareness programs on e-waste such as e-waste survey, documentary release on e-waste, webinar on e-waste issues and challenges etc.

III ENERGY AUDIT

- **ENERGY EFFICIENT LIGHTING**

College has energy efficient LED bulbs and equipments and instruments.

- **ALTERNATE ENERGY SOURCES.**

It is a pleasure to note that the College has a solar energy unit and bio-gas unit for harnessing alternate energy.

IV WATER AUDIT

- **RAIN WATER HARVEST**

It is commendable that the College has a rain-water harvesting system with a capacity of 1 lakh liters.

V ENVIRONMENT AUDIT

- **POLLUTANT EMISSIONS IN THE CAMPUS**

There are no pollutant emissions in the campus.



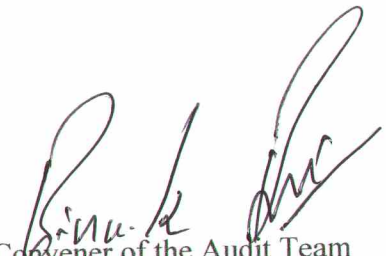
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REPORT:

The audit team finds that the eco-consciousness and eco-friendly activities of the institution are very good.

RECOMMENDATIONS:

1. The collaboration of college with Harithakarmasena unit of Vazhoor panchayat for the collection of unwanted/used plastics from campus is appreciable. Though the collaboration is successful, but still, we recommend conducting more awareness classes and programs for students and local public so as to bring down the plastic usage at the fundamental level.
2. College needs to conduct more awareness classes on e-waste and form tie-up with other organizations so as to find an effective way for the reuse or proper disposal of e-waste.


Convener of the Audit Team