

Govt of Assam
Office of the Principal
Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya
Dalgaon :: Darrang :: Assam
Estd – 2017

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Best Practice I

1. Title of the Practice: Biodiversity Conservation and Solid Waste Management

2. Objectives of the Practice:

- i) To make and create awareness regarding the importance of bio-diversity, especially the endemic components among the students of PDUAM, Dalgaon as well as the stakeholders.
- ii) To adopt innovative approaches for conservation of certain bio-diversity components in order to provide hands-on-training on conservation practices so far adopted among the students.
- iii) To create socio-economic as well as environmental values of bio-diversity.

3. **The Context:** PDUAM, Dalgaon is situated in a rural area in the 68 no. Dalgaon constituency. The villages around the colleges are mostly minority dominated. The people are agriculture dependent. Although they are dependent on agriculture, (natural environment and bio-diversity), fortunately or unfortunately their conservative approaches towards their environment is very poor. Lack of proper scientific knowledge is the reason behind it. They are concerned with the productivity of their target crops ignoring the sustainability. Looking at the pitiable condition of conservative approach, the college has initiated the conservation of Black Soldier Fly (BSF) in the college campus.

4. **The Practice:** The practice was conducted under laboratory condition at the department of Zoology. The Black Soldier Flies are cultured by using organic wastes, especially the slaughter-house wastes and also the wasted vegetables. The raw material used to culture black soldier fly is itself a new initiative for value-addition of those wastes. The larvae are used for feeding of carnivorous fishes as well as livestock poultry, bakery and piggery due to high-protein content and other nutritional values.

Moreover, to set an example PDUAM, Dalgaon has also adopted some other bio-diversity conservation methods, which includes ornamental fish breeding and bird-house preparation. Ornamental fish breeding has been successfully completed and different birds have come and built their nests in the bird houses built for the purpose. The department of Zoology in collaboration with Eco-Club of the college has also conducted an awareness programme on "Bird-house Construction and Installation". Inside the college campus, we are also trying to conserve and enrich the plant bio-diversity so far. We are trying to provide best habitat for frugivorous birds by planting wild fruit-yielding plants inside the campus.

5. **Evidence of Success:** The Black Soldier Fly cultivation has been successfully carried out in the college as some institutes like Silapathar college of Dhemaji district and the Zoology department of Gauhati University has expressed their interest and willingness to culture the Black Soldier Fly in their respective campuses. PDUAM, Dalgaon has provided the required amenities to these institutes.
6. **Problems Encountered and Resources Required:** Creating awareness among the villagers for the development of scientific attitude is quite difficult in an area where communities are illiterate and economically backward. Mobilization of financial resources to carry out the programmes since no fund is provided by the government for such activities.



A handwritten signature in black ink, appearing to be "S. G. Gogoi".

Principal,
PDUAM, Dalgaon

Principal
P.D.U.A. Mahavidyalaya
Dalgaon, Darrang