

REPORT ON
INAUGURATION OF GREEN HOUSE AND
VERMICOMPOSTING UNIT
28 FEBRUARY, 2022



Patharkandi College
Pride of Knowledge

INITIATED BY
DEPARTMENT OF BOTANY,
PATHARKANDI COLLEGE

- **Aims and Objectives:**

Green House: The purpose of Greenhouse/net house is to orient the students towards experimental and theoretical knowledge for maintaining plants as well conducting the research. It is most commonly needed for an institution where botany and plant sciences departments exist. It is widely used for maintaining the Germplasm, phenotype and genotype of various plant species for experimental purposes. It is also used for the vertical cultivation of plants in order minimize the space used for a minimalized yet effective and productive systems. A greenhouse can build and designed for the protection of tender or out-of-season plants against excessive cold or heat which is a mere refuge from a hostile climate into a controlled environment, adapted to the needs of particular plants. It is also included under the sustainable goals where different air purifying and pollution mitigating plants such as Philodendron, Parlor Palm, Broad Lady Palm etc. overall establishing a green house in an institute makes a great difference in efforts of teaching, learning and conducting researches.

Vermicomposting Unit: For the supporting of students, department is making a vermicomposting unit. Vermicomposting is the process of turning organic debris into worm castings. The worm castings are very important to the fertility of the soil. Different types of Earthworms are mainly used for successfully accomplishing the vermicomposting unit in an institute. This unit can be used in skill enchantment courses and other courses offered by the Botany CBCS syllabus Assam University. Also, it is a step towards promoting and creating awareness regarding organic farming, bio-fertilizers, and other relevant sustainable goals.

- **Establishment and inauguration of vermicomposting unit:**

With the support provided by Dr. Monjurul Hoque, the setup of green house and vermicomposting unit was possible. Inauguration was held on a pious occasion i.e. birthday of the great Indian scientist C.V Raman, (28th of February). This day is also celebrated as “National Science Day” in all over India. Patharkandi College has been also celebrating the National Science Day since last year. This year along with theme that is “Integrated Approach in Science and Technology for Sustainable Future”, inauguration of the green house and vermicomposting unit was completed by Dr. Mrinal Kanti Bhattacharya, former principal Karimganj College who is also an eminent researcher and expert in the field of Vermicomposting along with Dr. Monjurul Hoque, Principal, Patharkandi College. Before his valuable talk on vermicomposting, all the members of organizing committee of Science day, Science stream faculties and students were gather near the college premises for the inauguration of the set ups. Faculties of Botany department, Dr. Pradeep Doley and Mrs. K Tamna Singha along with the students were also gathered to actively fulfill and complete the event.



Following the inauguration, Dr. Mrinal Kanti Bhattacharya had delivered a special speech on "Vermicomposting: an amazing way to turn trash into nutrient – dense soil." which was also a related speech for the event of "National Science Day 2022".

The inauguration of green-house and vermicomposting unit was completed along with National Science Day with a vote of thanks by Mrs. K. Tamna Singha. It is also ended with the National Anthem.

- **Future planning and goals**

1. Collection of local medicinal plants from various regions including villages, conservatories and forest areas.
2. Collection of endangered plant species and maintaining them in the green house.
3. Growing saplings for various activities inside and outside the college campus.
4. Creating awareness among students for biofertilizers and organic farming.
5. Resource mobilization of vermicomposting products after achieving the required processing.

Approved by:

Dr. Monjurul Hoque
Principal
Patharkandi College

Faculty Members

Mrs. K Tamna Singha
Assistant Professor
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*Report compiled by Mrs. K Tamna Singha



Glimpses of the program, photo gallery:

At the venue Retd. Principal Karimganj College Dr. Mrinal Kanti Bhattacharya (left) and Principal Patharkandi College Dr. Monjurul Hoque (right).

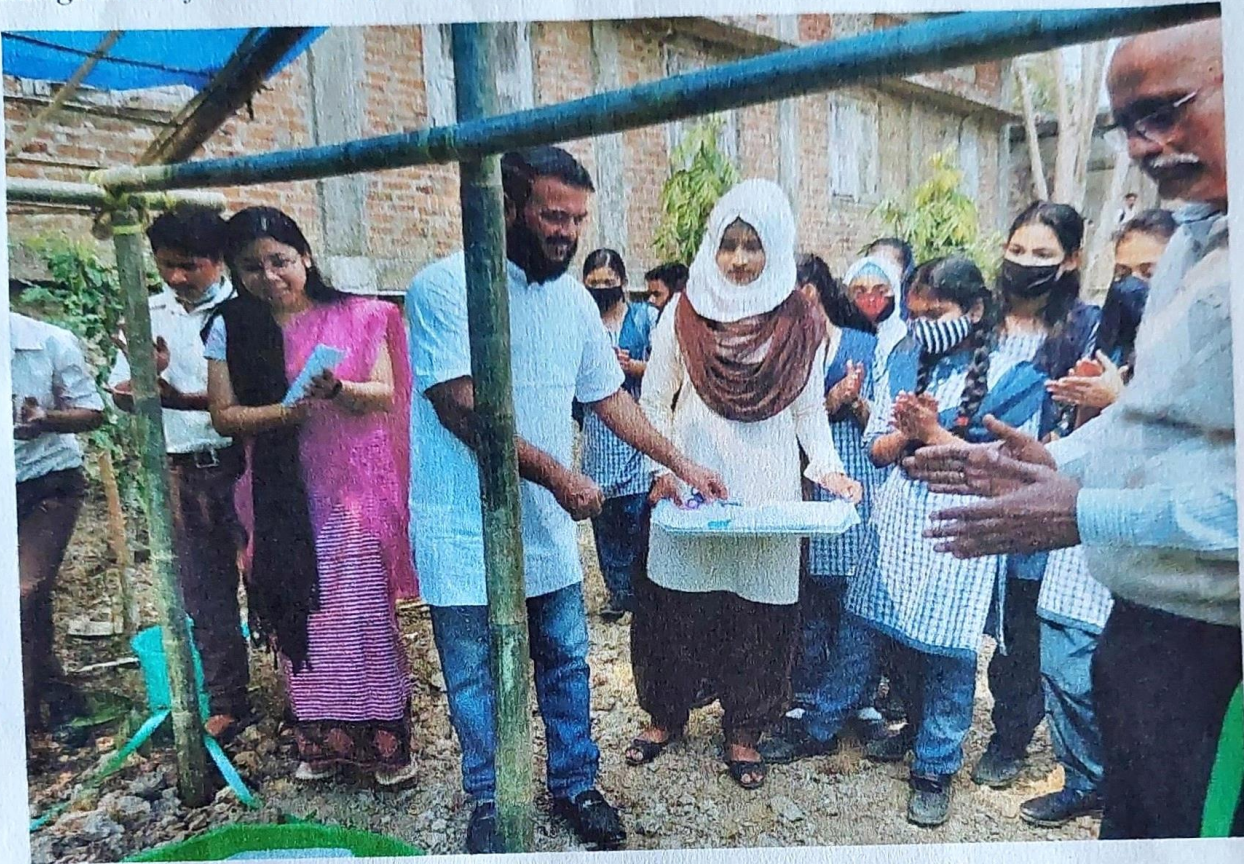


Ribbon cutting at the venue





Inauguration of the vermicomposting



The vermicomposting unit





Entry inside the greenhouse



Plantation of Aloe vera, a medicinal plant by Dr. Monjurul Hoque, Principal Patharkandi College.





Plantation by faculties and students together.





In front of the Green House and Vermicomposting Unit of Botany department, Patharkandi College, students and faculties of Central Public School (CPS) Patharkandi and Patharkandi College along with the faculty members in presence of chief guest Dr. Mrinal Kanti Bhattacharya and Dr.Monjurul Hoque.



An initiation towards sustainable future, the green house and vermicomposting unit.