**Details of two best practices implemented by the institution during AY 2021-22**

***Best Practice- 1***

***1. Title of the practice***

Skill Development Initiatives for students.

***2. The context that required the initiation of the practice***

Analysis of student progression and profile of pass out students’data of the departments from past few years points to the fact that the percentage of the pass outs getting private/government jobs or chance in any higher education courses is not satisfactory. Thus, the present practice was initiated to equip the students with some relevant technical skillswhich can improve their employability and help them in starting small entrepreneurial ventures.

***3. Objectives of the practice***

The objective of the practice is to train the students in some relevant technical skills which can improve their chance of getting employedor better can help them in starting small commercial ventures.

***4. The Practice***

The practice consists of organizing Skill Development Programmes for students. The programmes are organized mostly in collaboration with other government institutions with involvement of resource persons who are experts of the particular skill. Sometimes when outside agencies can not be roped in some in house programmes are also organized with college faculty members of related departments acting as experts. The details of the important programme organized during the academic year are as follows-

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No | Name of the Programme | Date | Organizing department/committee/cell | Collaborating institute/agency | Resource Persons | Number of Student participants |
|  | Online Workshop On “Mushroom Cultivation: Techniques And Income Generation” | 16th July, 2021 | Department of Botany in collaboration with IQAC, NSM | Rabindranath Thakur Mahavidyalaya, Bishalgarh, Tripura | Dr. Anupam Guha, Associate Professor, Rabindranath Thakur Mahavidyalaya, Bishalgarh | **778** |
|  | Training Program on “Biofloc Fish Farming” | 20th to 23rd August 2021 | Netaji Subhash Mahavidyalaya Udaipur | Department of Fisheries in collaboration with Udaipur Municipal Council | Sri Sujit Sarkar, DY Director of Fisheries, Udaipur,BijoyKanti Ghosh, Supt of Fisheries, Udaipur; Supriti Dey, Fisheri Officer, Anurudha Saha, Fishery Officer; Biswajit Sukla Datta, Fishery Officer; Tanuka Chakraborty, Fishery Officer | 10 |
|  | Workshop on **‘Duck farming in Tripura-A prospective entrepreneurial Venture’** | 7th September, 2021 | NSM | College of Veterinary Science & A.H, R.K Nagar, West Tripura | - Dr.Jowel Debnath, Asstt. Professor  - Dr. Tapan Kr. Das  Dr.SaurabhMajumder | **22** |
|  | An Intracollege - Workshop On “Mushroom Cultivation: Techniques And Income Generation” | 16-07-2021 | Department of Botany in collaboration with IQAC, Netaji Subhash Mahavidyalaya | - | Prof. Ajay Krishna Saha, Department of Botany, Tripura University | **33** |
|  | Workshop on **‘Vermicomposting’** | 10th November, 2021 | Swacchata Action Plan (SAP) Committee and Dept of Zoology, NSM | - | Dr, Nupur Datta, asst professor & HOD Incharge, Dept of Zoology, NSM, Udaipur; Sri Koshore Potari, PGT, Dept of Zoology, NSM Udaipur | **45** |
|  | Work shop on ‘Development of Nursery’ | 24th December, 2021 | Department of Botany &Swacchata Action Plan (SAP) Committee, NSM | - | Sri Prasenjit Debbarma, Asst professor, Department of Botany, NSM Udaipur; Dr. Chiranjit Paul, Guest Teacher, Dept of Botany, NS Mahavidyalaya, Udaipur | **53** |
|  | Work shop on ‘How to make leaf compost’ | 30th December, 2021 | department of Zoology and Swacchata Action Plan (SAP) Committee of NSM , Udaipur | - | Dr, Nupur Datta, Asst professor & HOD Incharge, Dept of Zoology, NSM, Udaipur; Dr. Parthasarathidebray, Asst professor & HOD Incharge, Dept of H. Physiology, NSM, Udaipur | **65** |

***5. Obstacles faced if any and strategies adopted to overcome them***

The main obstacle faced regarding implementation of the best practice is the Covid-19 pandemic as intermittent lockdowns and obligations regarding maintenance of Covid protocol spoiled the plans regarding organization of some more workshops and follow-up action. Some online workshops and webinars have been organized during pandemic period to overcome this challenge.

***6. Impact of the practice***

The practice has its positive impact on the participating students as some of them has started to take up entrepreneurial activities at home in the field of mushroom cultivation, duck farming and leaf composting in their spare time.

***7. Resources required***

Resources required for the purpose are internet facility and laptops for online programmes and ICT enabled classroom facility for offline programmes.

***8. About the Institution***

i. Name of the Institution: Netaji SubhashMahavidyalaya, Udaipur, Gomati, Tripura

ii. Year of Accreditation: 2015

iii. Address: Dhwajanagar; Udaipur; Tripura; Pin Code- 799114

iv. Grade awarded by NAAC: B

v. E-Mail: nsm.udaipur@gmail.com

vi. Contact person for further details: Dr. Soma Banik, Assistant Professor and

Coordinator IQAC, email- iqac.nsm.udaipur@gmail.com

vii. Website: nsmahavidyalaya.nic.in

***Best Practice- 2***

***1. Title of the practice***

Vermi compost production and Mushroom cultivation in the campus along with revenue generation by sale of produce.

***2. The context that required the initiation of the practice***

In line with the activities for imparting some market worthy skills to the students it seemed imperative that the institution itself strive to put before the students a small business model where the institution can earn some revenue by production and sell of products manufactured in the campus using mostly campus waste and active support from students themselves. For this purpose Vermi Compost Production from bio degradable component of campus waste along with locally procured cheap plant waste materials and Mushroom cultivation and sell of the products in prevalent market rate has been initiated.

***3. Objectives of the practice***

Along with exploring the possibilities of institutional revenue generation, the main objective of the practice is to put before the students a small business model where their own expertise is used so as to encourage them to take up such entrepreneurial activities privately.

***4. The Practice***

The college has taken up the initiative to produce Vermi Compost and to cultivate Mushroom in college campus with involvement of faculty members of departments of Zoology and Botany respectively.Students of the college who got training in Vermi composting and Mushroom Cultivation by attending Workshops organized on these two skills by the college earlier are actively engaged in the production process. Department of Zoology is using the vermicomposting tanks which are already existing in the college campus to produce vermicompost from biodegradable waste materials available in the campus as well as plant waste available for free locally. The college has invested a small amount for repairing of the tanks and procurement of earthworms. Cow dung is procured locally for a small price. The compost is packed in 5 kg bags and being sold at the rate of Rs 100 per bag to staff, faculty members and local people for their personal use. As for Mushroom cultivation, Oyster Mushrooms are being cultivated in the Department of Botany using paddy straw. The college has spent a small amount for purchasing straw, spawn and accessories. Autoclave for sterilizing the straw is already available in the department. The mushroom produced is being sold at the rate of Rs.200/- per Kg to staff, faculty members and local people.

***5. Obstacles faced if any and strategies adopted to overcome them***

Obstacles faced regarding Vermicomposting is related with the choice of plant material where indiscriminate use of whatever available lead to slow rates of production which was overcome by careful choice of materials. Regarding Mushroom cultivation there were initial setbacks due to contamination of some beds which was overcome later with proper care regarding sterilization.

***6. Impact of the practice***

The practice has left a very positive impact on the students who have engaged themselves in the production process. This has raised the confidence level of the involved students and some of them has also started small scale production of compost and mushroom in their homes. Though it is still in the private consumption stage but there is ample chance that they will scale up the production to small business level in future.

***7. Resources required***

Resources required for Vermicomposting are covered cement made compost pits, biodegradable waste materials like cow dung, dry leaves and straw, kitchen waste etc. Resources required for mushroom cultivation are autoclaves,paddy straw, plastic bags, spoon, gloves etc.

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