



## Green Skill Development Programme (GSDP) Certificate Courses conducted under ENVIS RP on Environmental Biotechnology Department of Environmental Science, University of Kalyani Kalyani-741235, Nadia, West Bengal.



ENVIS Resource Partner on **Environmental Biotechnology**, University of Kalyani, Nadia, is funded by the Ministry of Environmental, Forest & Climate Change (**MoEF&CC**), Govt. of India got sanctioned three GSDP courses namely:



1. **Waste Management Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction and Demolition Waste.**(Completed).
2. **Plant Tissue Culture Technique and its Applications.**(Completed).



### GSDP Courses Organized in 2018-19

Sl. No.	GSDP Course Name	No. of Batches	Batch Size	Application received	From	To
1	Waste Management (Solid waste, Biomedical waste, Plastic waste, E-waste, Construction and Demolition waste)	01	20	91	24 <sup>th</sup> July, 2018	24 <sup>th</sup> September, 2018
2	Plant Tissue Culture Technique and its Applications	01	16	49	14 <sup>th</sup> Nov, 2018	12 <sup>th</sup> Feb, 2019

The GSDP Certificate Courses were inaugurated on 24<sup>th</sup> July 2018 at University of Kalyani by Dr. Anandi Subramanian, Senior Economic Advisor, MoEF&CC, GoI in presence of Hon'ble Vice Chancellor, Prof. Sankar Kumar Ghosh, University of Kalyani and other distinguished dignitaries. Prof. R.Ghosh, Dean, Faculty of Science, Prof. N. C.Saha, Hon'ble Vice Chancellor, University of Burdwan, Dr. A.K. Sanyal, Chairman, West Bengal Biodiversity Board, Mr. Kumar Rajnish, National Programme Coordinator, ENVIS, MoEF&CC, GoI, Prof. Ashis Kumar Panigrahi, Coordinator ENVIS RP and Head, Dept. of Zoology and Dr. S.Mukharjee, HOD, Dept. of Environmental Science, Prof. D. Ray, Registrar and Prof. U.Biswas, Dean, Faculty of ETM Management were present on the dais.

### 1. Certificate Course on Waste Management (Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction and Demolition Waste) From 24<sup>th</sup> July-24<sup>th</sup> September, 2018.



Solid wastes are the organic and inorganic waste materials such as product packaging, grass clippings, furniture, clothing, bottles, kitchen refuse, paper, appliances, paint cans, batteries, etc., produced in a society, which do not generally carry any value to the first user(s). This course will cover scientific concepts to the

management of solid waste (SW) to protect human health and the environment. A total of **20** participants trained through the course and out of which more than **60%** were from rural West Bengal. The participants are comprised of **30%female** and **70%male** with graduate, post graduate and diploma/engineering/pharmacy students and some small scale self-employed and retired persons. There are **48** experts from different academic institutions and industries were involved in this course. The theory and practical classes along with hands-on training through field orientation programmes were included in this course. Candidates visited various small and medium scale industries and Government departments/laboratory and start-up manufacturing units in the relevant field. After completion of the course, a final evaluation of candidates was taken by written exam with practical exam and viva voce. All the students were qualified with more than 70%marks. After completion of the 2 months course a one week additional orientation programme also conducted. In this programme the counseling and orientation given by experts, different industry personals to the participants about employment and also searching for job opportunities in different sectors along with self-employment programme. On 24<sup>th</sup> September, 2018 Certificates were distributed to the participants. Participants were gave their valuable feedback about the course.



## Success stories of GSDP Course 1:

Out of 20 participants four (4) participants were already got engagement in different sectors like research(1), teaching(1) and industry(1). One trainee developed his own business of production of organic manure from wastes and generates self-employment. Some other participants also motivated to start their own business in this sector. Some trainees are interested to have master trainers and initiated this programme in different relevant locations of the state.



**Subhamoy Chakraborty**

After completed this certificate course he got a job in Rashmi Metaliks limited company, as a Environmental Officer, W.B.



**Pousali Chattaraj**

Joined as a guest lecturer in Environmental science, S.R.Fatepuria College, Beldanga, Murshidabad, W.B.



**Moumita Chakraborty**

Joined as a research scholar in G.B Pant National Institute of Himalayan, U.K.



**Soumen Mondal**

Started his own business on biofertilizer & generate few employment for others in W.B.

## 2. Certificate Course on Plant Tissue Culture Techniques and its Application (from 14<sup>th</sup> November, 2018 – 13<sup>th</sup> February, 2019)

Certificate course on **Plant Tissue Culture Technique and its Application** was continued from 14<sup>th</sup> November, 2018 to 12<sup>th</sup> February, 2019. A total of **16** participants around the country were participated in the course. More than **50%** were from the rural areas. The participants were with graduate, post graduate and some small scale self employed and retired persons. More than **30** experts from different academic institutions and industries were involved in this course. Theory and practical classes along with hands-on training were given to the participants. Candidates were visited various plant research institutes such as Vivekananda Institute of Biotechnology, Nimpith, Botanical Survey of India, Kolkata, Ramakrishna Mission Vivekananda Educational and Research Institute, Narendrapuretc and some industries, nursery units in the relevant field. After completion of the course a final evaluation of candidates was taken by written exam with practical exam and viva voce. All the students were qualified with more than **80%** marks. On 13<sup>th</sup> February, 2019 certificates were distributed to the participants in a valedictory ceremony. Participants were gave their valuable feedback about the course.



## Success stories of GSDP Course 2:

Out of 16 participants two participants were already developed their own business (one participants have already developed a nursery on pomegranate crop and another participant have developed his own tissue culture unit) and two other participants have already initiated to develop their own nursery on medicinal plants in rural areas of West Bengal. The successful participants can generate employment for the others.



**Kadam Sagar Ambadas**

After completed this certificate course he developed a pomegranate nursery unit in Pune, India.



**Binoy Kumar Sinha**

Developed a tissue culture unit in his own residence. He wants to develop a dragon plant unit in W.B.



**Sambhu Nath Jana**

Initiated his own nursery on medicinal plants in rural areas of W.B.



**Debabrata Biswas**

Initiated to develop a nursery on medicinal plants in rural areas of W.B.



Please visit: [www.deskuenvis.nic.in](http://www.deskuenvis.nic.in), E.mail: [desku@envis.nic.in](mailto:desku@envis.nic.in)