

## ENVIS Team

|                      |                                      |
|----------------------|--------------------------------------|
| Thiru. P. Vipin Babu | - Envis Coordinator / Scientist-PPCC |
| Mrs. J. Nithiya      | - Programme Officer                  |
| Mr. S. Jagan Kumar   | - Information Officer                |
| Mr. S. Dhinesh Kumar | - Information Technology Officer     |



75

Number of participants applied

Diploma - 11  
PG Diploma - 1  
B.SC - 18  
M.SC - 12  
M.Phil - 1  
Ph.D - 3  
B.Tech - 20  
M.Tech - 8  
MBA - 1

29

Number of trainees shortlisted

Diploma - 2  
B.SC - 7  
M.SC - 5  
B.Tech - 9  
M.Tech - 6

19

Number of trainees joined

Diploma - 1  
B.SC - 1  
M.SC - 3  
B.Tech - 7  
M.Tech - 7

### Placement

Number of trainees joined higher studies: 5  
Number of trainees preparing Competition exams: 4  
Number of trainees working in private sector: 4  
Number of trainees working in Government sector: 3  
Number of trainees not placed: 3

### Nativity

Puducherry – 10  
Outside Puducherry - 9

### Social Networking Site

<https://www.facebook.com/ENVIS-HUB-Puducherry-547321852408025/>  
<https://www.instagram.com/envishubpdy/>  
<https://twitter.com/envispuducherry>



### ABOUT GSDP

Most vocational training programmes focus on mechanical / technical skills rather than 'soft' or 'green' skills. Green skills contribute to preserving or restoring environmental quality for sustainable future and include jobs that protect ecosystems and biodiversity, reduce energy and minimize waste and pollution. In line with the Skill India Mission of Hon'ble Prime Minister, Ministry of Environment, Forest & Climate Change (MoEF&CC) utilising the vast network and expertise of ENVIS Hubs/RPs, has taken up an initiative for skill development in the environment and forest sector to enable India's youth to get gainful employment and/or self-employment, called the Green Skill Development Programme (GSDP). The programme endeavours to develop green skilled workers having technical knowledge and commitment to sustainable development, which will help in the attainment of the Nationally Determined Contributions (NDCs), Sustainable Development Goals (SDGs), National Biodiversity Targets (NBTs), as well as Waste Management Rules (2016).

### PUDUCHERRY ENVIS HUB GSDP "Pollution Monitors: Air & Water Pollution"

A training programme on "Pollution Monitoring: Air and Water Pollution" under Green Skill Development Programme (GSDP) at level- 6 was conducted by Puducherry Envis Hub Centre, Puducherry Pollution Control Committee at Dr. Abdul Kalam Science Centre and Planetarium, Lawspet, Puducherry. The training programme was for a period of 38 working days (11th September to 26th October 2018, 260 hours) and the training module included theoretical, practical, field visits

### CONTACT US :

GOVERNMENT OF PUDUCHERRY  
PUDUCHERRY POLLUTION CONTROL COMMITTEE  
III Floor, P.H.B. Building, Anna Nagar, Puducherry-605005  
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## GREEN SKILL DEVELOPMENT PROGRAMME (GSDP)

"POLLUTION MONITORS :  
AIR AND WATER POLLUTION"

ORGANIZED BY ENVIS HUB CENTRE PUDUCHERRY



Government of India  
Ministry of Environment,  
Forest and Climate Change  
(MoEF&CC)  
New Delhi





# Pollution Monitoring: Air and Water Pollution

## 01 FIRST WEEK

12.09.2018 TO 15.09.2018

**Water pollution:** Unit- 3: Introduction, Sources, Causes, Types, Biological effects, Water pollutants and their effects

**Air Pollution:** Unit – 2: Introduction, Types, Sources and effects

**Laboratory Theory classes:**

- List of instruments/equipment available in laboratories.
- List of Parameters In AQC.
- List of CPCB sponsored ongoing project.

## 03 THIRD WEEK

24.09.2018 TO 29.09.2018

**Water pollution:** Unit-6: Monitoring Techniques & Analysis of Water Pollutants Unit – 7: Water quality Management Unit – 4: Sources of Pollutants and Effluents Pollutants Unit – 7: Water quality Management

**Air Pollution:**

Unit – 4: Emission Inventory Unit – 9: GIS

## 05 FIFTH WEEK

08.10.2018 TO 13.10.2018

**Water pollution:** Unit: 3 Meteorology and Automatic Weather Station Unit : 9 – GIS, Cartography, Scales, Projections, Global Positioning System, GPS Component.



## 02 SECOND WEEK

17.09.2018 TO 22.09.2018

**Water pollution:** Unit – 5: Inventorisation of Sources Of Water Pollution.

**Air Pollution:** Unit – 3: Meteorology and Automatic Weather Station, Unit 4: Monitoring of Air Pollutants, Unit- 1: Our Atmosphere

**Laboratory Theory classes:**

- Most Probable Number Method (MPN):
- How to determine the amount of bacteria from the MPN method?
- Advantages and Disadvantages of Most Probable Number Method (MPN)?

## 04 FOURTH WEEK

01.10.2018 TO 06.10.2018

**Water pollution:** Unit: 8- Impact of Water Pollution on Health & Information Technology

**Air Pollution:** Unit: 7 - Impact of Air Pollution on Environment

## 06 SIXTH WEEK

15.10.2018 TO 20.10.2018

**Water pollution:** Unit-1: our hydrosphere, Unit – 2: Water chemistry

**Air Pollution:** Unit- 5- Air sampling analysis & Laboratory requirements

## 07 SEVENTH WEEK

22.0.2018 TO 25.10.2018

Assessment & Evaluation theory (75%) and practical's (25%).

11<sup>th</sup>  
Septemeber  
2018

Inauguration

26<sup>th</sup>  
October  
2018

Valedictory

# HANDS ON TRAINING

Date: 19.09.2018

Chemical Oxygen Demand(COD), Chemical Oxygen Demand(COD), Alkalinity, Total Hardness, Calcium Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness and Hardness, Magnesium Hardness and Chloride, Total Suspended Solids(TSS), pH, Chloride, Total Suspended Solids(TSS), Turbidity & Conductivity and Weather pH & Conductivity. Monitoring System

Date: 26.09.2018

Chemical Oxygen Demand(COD), analysis method of Sulphate estimation Alkalinity, Total Hardness, Calcium Hardness, Magnesium Hardness and Chloride, Total Suspended Solids(TSS), pH & Conductivity.

Date 19.10.2018

Enumeration of bacterial culture in air and water sample and Most Probable Number.

Date: 20.09.2018

Date : 01.10.2018

Date: 03.10.2018

Air sampling analysis parameters PM10 & PM2.5

Date 20.10.2018

Enumeration of bacterial culture in air and water sample and Most Probable Number



260 hours

Total Duration

130 hours

Practical

130 hours

Theroy

# FIELD VISIT

Puducherry

- 01 Puducherry Port for idol immersion sample collection
- 02 Puducherry Pollution Control Committee Laboratory at Mettupalayam
- 03 Chemfab Alkalies Limited (CCAL), Kalapet and Solara Active Pharma Sciences
- 04 Whirlpool Corporation of India, Thirubuvana
- 05 Lucas TVS, Nettapakkam
- 06 Pulkit Metals Pvt Ltd Nettapakkam
- 07 Aravind Eye Hospital, Thavalakuppam
- 08 Sica Breweries Limited, Ayyankuttipalayam
- 09 Pondicherry Centre for Biological Science and Educational Trust

Karaikal

- 10 DSTE Laboratory
- 11 Praveen Chem Industry, Keezhvanjore
- 12 Karaikal Port
- 13 Karaikal Chlorates
- 14 NAMP Stations
- 15 Godrej Pvt. Ltd



# WORKSHOP

one day workshop on  
"Recent Advances in  
Wastewater Treatment"

19

Batch size