

## OBJECTIVES

The ecology and biodiversity are a challenging and skillful studies require expertise in flora and fauna of terrestrial and aquatic system. Any change in the ecological component causes harm to the keystone species of developing area. Therefore, while conducting the baseline status it is very essential to understand the ecological processes and its stability. Stakeholders working in EIA have to face problems in protecting the species which require complete understanding of ecological niche. Therefore, to strengthen the capacity of stakeholders and to manage with the ecological problems and to enable them to play their role and shoulder their responsibilities effectively, a training program has been proposed. The professionals working in this sector need to be sensitized with the knowledge/skill and attitude through a proper training.

## COURSE CONTENTS

- Introduction to the basics of Ecology and Biodiversity
- Principals and concepts of biodiversity laws
- Biodiversity Act 2002
- Wildlife protection act
- IUCN category of plants listing and species of Red data book
- Phytosociological studies of flora
- Calculation of Index and interpretation of results
- Role of invertebrates as an ecological indicator
- Planktons: Zooplankton and Phytoplankton: an ecological indicator
- Sampling, identification by microscopic studies and index calculation
- Study of trophic status of lakes
- Study of biomonitoring of benthos
- Sampling, identification by microscopic studies and index calculation
- Prediction of impacts
- Greenbelt Development plan

**MODE OF TRAINING:** Online training through MS Team comprising Live lectures, Interactions, Q&A session, etc.

## REGISTRATION FEE

- For Students (Graduate & above): **Free of Cost**  
(Application through Google Link:  
[https://docs.google.com/forms/d/e/1FAIpQLSdhI0uvtdEAgQvzazmQAWdozcYgrnrAfUyGb8vvaqxiJNwzw/vie/wform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdhI0uvtdEAgQvzazmQAWdozcYgrnrAfUyGb8vvaqxiJNwzw/vie/wform?usp=sf_link))
- For Sponsored/Employed/Self Payment candidates, etc.: **Rs. 15,000/- (including GST)**
- **Fee will be paid online through SBI Collect link as mentioned below:**  
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>
- Instructions for remittance of fee through State Bank Collect is shown below:  
**State of Corporate / Institution:** "MAHARASHTRA"  
**Type of Corporate / Institution:** "GOVT. DEPARTMENT"  
**GOVT Department Name:** "NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE"  
**Payment Category:** "WEBINAR / TRAINING PROGRAM REGISTRATION FEE"

**NOTE:-** Kindly send SBI Collect Fee receipt on email [hv\\_singh@neeri.res.in](mailto:hv_singh@neeri.res.in) for confirmation

**CERTIFICATE OF PARTICIPATION:** Certificate of Participation will be issued on successful completion.

**LAST DATE OF REGISTRATION:** December 11,2021

DIRECTOR	MENTORS	PROGRAM CO-ORDINATOR	COURSE CO-ORDINATOR
Dr. S. Chandrasekhar Director	Dr. Sadhna Raylu Chief Scientist & Head, EMD Dr. Atul Vaidya Chief Scientist & Head, CHWMD	Dr. Harshvardhan Singh Senior Principal Scientist & Head, TSDD Email: <a href="mailto:hv_singh@neeri.res.in">hv_singh@neeri.res.in</a> Ph.0712-2249885 ext. 344 / 645	Dr. Sharda Kosankar Senior Scientist, EBGD