

**Certificate Course in
Basics of Environmental Pollution (CCBEP)**



Effective from Academic Year (2020-2021)

**Shri Govind Guru University
Godhra**

❖ **Title:** Certificate Course in Basics of Environmental Pollution (CCBEP)

❖ **Objectives:**

- To make the students knowledgeable with respect to the subject and its practicable applicability.
- To promote understanding of basic and advanced concepts in Industrial pollution aspects and waste water treatment technologies.
- To expose the students to different processes used in industries and in research field.
- To develop skills required in various industries, research labs and in the field of human health.
- To prepare the students to accept the challenges in industrial sectors

❖ **Duration:**

Total duration of the CBEP Course shall be of six months.

❖ **Course Tenure:**

June to November & December to May.

❖ **Admission Criteria:**

10+2 or any equivalent examination passed. (In equivalent courses, 10+2 or more than two years ITI / Diploma course completion)

❖ **Documents Require:**

- School Leaving Certificate
- Mark sheet of SSC and HSC Board/ITI/Diploma Examination
- 2 Passport size photos
- Caste Certificate (If applicable)

❖ **Medium of Instruction:** English

□ **Maximum Intake:** 20

Certificate Course in

BASICS OF ENVIRONMENTAL POLLUTION (CCBEP)

Course Content

Units	Content	Credits	No. of Hours
Unit - I	Environmental Pollution	01	15
Unit – II	Air Pollution	01	15
Unit - III	Water Pollution	01	15
Unit - IV	Soil and Noise pollution Field Visit	01	15
	TOTAL	04	60

Unit Wise

Course Contents Unit – I Environmental

Pollution

General Instruction of environmental pollution, types of pollution and pollutant and their classification, Current scenario of India's Pollution, Step for prevent of pollution

Unit – II Air Pollution

Basic principles of air pollution, Composition of air, Structure of Atmosphere, Classification of air pollution, Sources of air pollution, Causes and effect of air pollution, Control measures of air pollution

Unit – III Water Pollution

Structure of Hydrosphere, Classification of water bodies; physico-chemical and biological properties of fresh water Water and Waste, Sources of Water pollution, Eutrophication of water resources, Water pollution control measures, The Water (Prevention and control of Pollution Act, 1974)

Unit – IV Soil and Noise pollution

Main causes and the processes that contribute to the degradation of soil quality

(erosion, chemical degradation and physical degradation), Sources of pollution

Noise pollution level and source, effects of noise pollution, controlling measures of noise pollution

Field visit