Shiksha Mandal's

Bajaj College of Science, Wardha

An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur

In Association with

St. Xavier's College (Autonomous), Mumbai

INVITES APPLICATION FOR

Certificate Course in

INDUSTRIAL WASTEWATER MANAGEMENT

Eligibility: UG, Graduate & PG Science Students

Seats: 50

Course Fee:
Rs. 350/- (Students of Parent Institute)
Rs. 500/- (Other Students)

Last date for Registration:
25th November 2021

About Certificate Course:
https://drive.google.com/file/d/1JCQ8tyYzjq0J4E93HQVLioWGdvJAidz0/view?usp=sharing

Registration Link:
https://forms.gle/e5AvxA9PkP8HRrnz6

Patrons

Dr. O. A. Mahodaya
Principal, Bajaj College of Science, Wardha

Dr. Rajendra Shinde
Principal, St. Xavier's College, Mumbai

Course Facilitators

Dr. Pradip Tekade
Head/In-charge, Dept. of Chemistry,
Bajaj College of Science, Wardha

Mr. Marazban Kotwal
Head, Dept. of Chemistry
St. Xavier's College, Mumbai

Course Coordinators

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About: Bajaj College of Science, Wardha
http://jbsw.shikshamandal.org/

About: St. Xavier's College, Mumbai
https://xaviers.edu/main/

Bajaj College of Science, Wardha (Autonomous)
Department of Chemistry
In Association with
St. Xavier's College (Autonomous), Mumbai
Organizes

Skill based Certificate Course On "INDUSTRIAL WASTEWATER MANAGEMENT"

Specifications of Course:

A) Nature	- Certificate Course
B) Duration	- **60 hrs**
C) No. Of Students to be admitted	- **50**
D) Fee Proposed	- **350/-** (Students of Parent Institutes) - **500/-** (Other Students)

I. COURSE OVERVIEW:

This course provides an understanding of various processes involved in the treatment of wastewater generated due to the anthropogenic activities prior to its discharge into the environment or its re-use. This course aids to understand various terminologies used in industrial wastewater treatment and to acquaint with different stages involved in treatment of industrial wastewater.

II. PREREQUISITE(S): UG/PG

III. COURSE OBJECTIVES:

The objective of the course is to impart knowledge and skills to the learner to:

1. Distinguish between the quality of domestic and industrial water requirements.
2. Understand the industrial process, water utilization and wastewater generation.
3. Impart knowledge on selection of treatment methods for industrial wastewater.
4. Gain knowledge on different techniques and methods for minimizing the generation.
5. Application of physicochemical and biological treatment methods for recovery, reuse and disposal of industrial wastewater.

IV. COURSE OUTCOMES:

After completion of this course, the student will be able to demonstrate the knowledge and will have the ability to:

1. Identify environmental standards that apply to both direct and indirect industrial discharges.
2. Develop an overall treatment strategy for an industrial waste stream.

3. Specify design criteria for physical, chemical, and biological unit operations and processes necessary to treat an industrial wastewater.
4. Define and reason about fundamental concepts of wastewater treatment.
5. Design, conduct experiments and the ability to analyse the wastewater quality.
6. Select the most appropriate technique to control and treat industrial pollution.
7. Enhanced skills of the students will increase their employability in the related industries.

Mode of Teaching:

The theory lectures and practical sessions of the course will be conducted via Online mode i.e. Pre-recorded video lectures and/or online lectures.