

**B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),
KALYAN**

CERTIFICATE COURSE



B. K. BIRLA COLLEGE (Autonomous), KALYAN
DEPARTMENT OF ENVIRONMENTAL SCIENCES

Certificate Course on Designing Of Effluent Treatment Plant

DESIGNING OF EFFLUENT TREATMENT PLANT (Total 30 hrs.)	
THEORY (27 hrs.)	
Water Pollution: Sources, Types, Causes	2 hrs.
Treatment of wastewater: Primary Treatment	2 hrs.
Treatment of wastewater: Secondary Treatment	2 hrs.
Treatment of wastewater: Tertiary Treatment	2 hrs.
Concept of CETP	1 hrs.
Designing of Primary Treatment Plant	6 hrs.
Designing of Secondary Treatment Plant	6 hrs.
Designing of Tertiary Treatment Plant	6 hrs.
PRACTICAL (3 hrs.)	
Practical on determination of water characteristics; pH, conductivity, COD, BOD, total solids.	3 hrs.
Total	30 hrs.

DESIGNING OF EFFLUENT TREATMENT PLANT

(Total 30 hrs.)

Aims

- This short term course will address the quality characteristics of water sources from industry and explain the relevant treatment technologies for making water reusable.
- They will learn about the testing and system design details required for creating the optimum water reuse system.
- The focus would be more on the basics of design & operation of ETP.

Objectives: The course will help the participants understand:

- Recognize wastewater treatment technologies applied to industrial waste treatment and analyze industrial waste schemes from case studies presented from a diverse range of industries
- Define and implement cleaner production activities, industrial water management strategies for pollution and toxicity prevention
- Design a wastewater treatment sequence of treatment processes to treat an industrial effluent stream.
- Integrate wastewater treatment processes and sludge handling and disposal in the design on an industrial waste treatment process for a selected industry
- Cost optimization by using latest technologies and practices



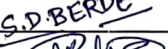


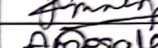

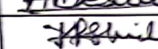

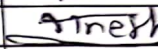
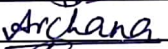

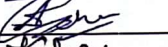



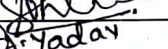
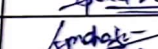
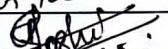
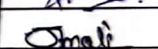
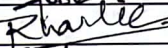






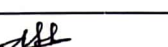
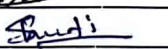
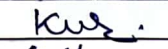
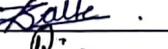


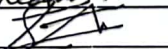

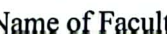
B.K. BIRLA COLLEGE (AUTONOMOUS), SCIENCE AND COMMERCE, KALYAN
DEPARTMENT OF ENVIRONMENTAL SCIENCES
LIST OF STUDENTS FOR CERTIFICATE COURSE ON
"DESIGNING OF EFFLUENT TREATMENT PLANT"

SR NO	NAMES	GENDER
M.SC. PART 1 ENVIRONMENTAL SCIENCES		
1 ✓	MS. MALGI POORNIMA LAXMAN	FEMALE ✓
2 ✓	MS. KHARAT SMRUTI SUNIL	FEMALE ✓
3 ✓	MR. MALI JITENDRAKUMAR RATANLAL	MALE ✓
4 ✓	MR. SHAIKH ABDULLA SHAKIB	MALE ✓
5 ✓	MR. ZUNJARROA GITESH ARJUN	MALE ✓
6 ✓	MR. PANDEY SAURABH KAMLESH	MALE ✓
7 ✓	MS. DEVLEKAR AISHWARYA DEVLEKAR Ramarant	FEMALE ✓
8 ✓	MS. JAYKAR TEJASHREE ARUN	FEMALE ✓ sign
9 ✓	MS. DESALE ASHWINI MOHANRAO	FEMALE ✓
10 ✓	MR. LATAM RAJESH PUNDLIK	MALE ✓
11 ✓	MS. TADE KOMAL VASANTA	FEMALE ✓
12 ✓	MS. YADAV SHRUTI BIPIN	FEMALE ✓
13 ✓	MS. SHINDE MANGAL RATAN	FEMALE ✓
14 ✓	MS. ZALTE AISHWARYA SUBHASH	FEMALE ✓
15 ✓	MR. SHINDE SACHIN BALKRUSHNA	MALE ✓
16 ✓	MR. SONGAL RAMDAS YASHWANT	MALE ✓
17 ✓	MR. KEDARE VINIT JAIDEO	MALE ✓
18 ✓	MR. YADAV SHEKHAR HANAMANT	MALE ✓
19 ✓	MR. KOLI DNYANESHWAR AMSIDDHA	MALE ✓
20 ✓	MR. WAYAL VIJAY DASHARAT	MALE ✓ sign
21 ✓	MS. KUMBHAR PRITI MOHAN	FEMALE ✓
22 ✓	MS. JADHAV SIDDHI SUNIL	FEMALE ✓
23 ✓	MR. BHOIR GANESH VAMAN	MALE ✓
24 ✓	MS. MAHAJAN GAYATRI PRAKASH	FEMALE ✓
25 ✓	MS. SHAIKH ROMANA	FEMALE ✓
26 ✓	MR. MANNA DEBABRAT	MALE X
M.SC. PART 2 ENVIRONMENTAL SCIENCES		
1 ✓	MS. CHAVAN AMISHA RAM	FEMALE ✓
2 ✓	MR. BHALERAU AMIT SANJAY	MALE ✓
3 ✓	MS. SIDDIQUI AFREEN	FEMALE ✓
4 ✓	MR. BERDE SHUBHAM DEVENDRA	MALE ✓
5 ✓	MS. KHAN ZEBA NAFEEES	FEMALE ✓
6 ✓	MS. RUQAIYA SHAOAB KHARBE	FEMALE ✓
7 ✓	MS. SUNITA PRASAD	FEMALE ✓
8 ✓	MS. JOSHI RUCHA ABHAY	FEMALE ✓
9 ✓	MS. YADAV TWINKLE ASHOK	FEMALE ✓
10 ✓	MS. NAZIA PRAVEEN SAYEED AHMED	FEMALE ✓
11 ✓	MS. SAWANT SMITA SANJAY	FEMALE ✓
12 ✓	MR. GAHARE AKSHAY SURESH	MALE ✓
13 ✓	MR. PRATO DENZIL NOEL	MALE ✓
14 ✓	MR. MANKAME SANAY JAGDISH	MALE ✓
15 ✓	MS. REEMA YADAV	FEMALE ✓
16 ✓	MS. SABLE UZMA ABDUL RAZA	FEMALE ✓
17 ✓	MS. PASWAN ARCHANA HARIVANSH	FEMALE ✓
18 ✓	MS. BARDI MAHEEN EJAZ	FEMALE ✓

✓ Vignesh Hair
Nayak

MALE ✓

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CERTIFICATE COURSE ON DESIGNING OF EFFLUENT TREATMENT PLANT
ATTENDANCE RECORD

Sr. No.	Name of Student	Signature of student	Sr. No.	Name of Student	Signature of student
1	Sanjay Maskame - P-II		26	Aishwarya R. Devlekar P-I	
2	Shubham Berde - P-II		27	Tejashree A. Jaykar P-I	
3	Malveen Bansali - P-II		28	Poojima Malgi P-I	
4	Keema Yadav - P-II		29	Ashwini Desale P-I	
5	Amisha R. Chavan - P-II		30	Mangal R. Swinde P-I	
6	Smita Sawant - P-II		31	Ganesh Y Bhoir P-I	
7	Archana Paswan P-II		32	Dnyaneshwar Koli P-I	
8	Akshay S. Gahere P-II		33	Rajesh latam P-I	
9	Chan Zeba Nafis P-II		34	Shelkhar Yadav P-I	
10	Amit Sanjay Bhalerao P-II		35	Siddhi Jadhav P-I	
11	Twinkle Ashok Yadav (P-II)		36	Gayatri Mahajan P-I	
12	Rucha A. Joshi P-II		37	Jitendra Mali	
13	Kharlo. Rugaiya (P-II)		38	Vighnesh Nayak MscP-II	
14	Saurabh Pandey (P-I)		39		
15	Crish A. Zunjare (P-I)		40		
16			41		
17			42		
18	Abdulla S. Shaikh P-I		43		
19	Smriti Yadav P-I		44		
20	Komal Tade - P-I		45		
21	Aishwarya Zalte P-I		46		
22	Gritesh A. Zunjare P-I		47		
23	Saurabh Pandey		48		
24	Vinit Kedar		49		
25	Smriti Kharat		50		

Date: 2/3/19 Time: 11:00^{am} to 1:30^{pm} Name of Faculty:

Roshani Salunkhe

Sign: 

B.K BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS), KALYAN



CERTIFICATE

OF PARTICIPATION

IS PRESENTED TO

MALGI POORNIMA LAXMAN

**FOR COMPLETING 30 HOURS TRAINING IN CERTIFICATE COURSE ON 'DESIGNING OF
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DR. SONAL TAWADE
HEAD OF THE DEPARTMENT

DR. AVINASH PATIL
PRINCIPAL

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KHARAT SMURTI SUNIL

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PANDEY SAURABH KAMLESH

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DEVLEKAR AISHWARYA RAMAKANT

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DESALE ASHWINI MOHANRAO

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DR. SONAL TAWADE
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DR. AVINASH PATIL
PRINCIPAL

B.K BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS), KALYAN



CERTIFICATE

OF PARTICIPATION

IS PRESENTED TO

BHALERAO AMIT SANJAY

**FOR COMPLETING 30 HOURS TRAINING IN CERTIFICATE COURSE ON 'DESIGNING OF
EFFLUENT TREATMENT PLANT', ORGANIZED BY DEPARTMENT OF ENVIRONMENTAL
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MALGI POORNIMA LAXMAN

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KHAN ZEBA NAFEES

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RUQAIYA SHAOAB KHARBE

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SUNITA PRASAD

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JOSHI RUCHA ABHAY

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YADAV TWINKLE ASHOK

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NAZIA PARVEEN SAEED AHMED

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SAWANT SMITA SANJAY

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GAHARE AKSHAY SURESH

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PRATO DENZIL NOEL

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MANKAME SANJAY JAGDISH

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SABLE UZMA ABDUL RAZA

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PASWAN ARCHANA HARIVANSH

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VIGNESH NAYAK

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