

**Value added course
on
Industrial Wastewater
Treatment**

23rd – 30th November 2020



**Department of Chemical Engineering
UIET, CSJM University, Kanpur**

Course Coordinators :
Dr. Brishti Mitra
Dr. Abhishek K Chandra

Course Duration: 30 hours

Date: 23-11-2020 to 30-11-2020

The course is open for interested students of B.Tech and M.Sc (Industrial Chemistry)

Last date of registration: 21-11-2020

Course Objectives:

Most industries produce wastewater as an unwanted by product of all its process. The processes involved in treatment of this wastewater is known as industrial wastewater treatment. The treated industrial wastewater can be reused or discharged into a surface water in the environment after treatment.

This course will introduce the different processes physical, chemical and biological methods involved in treatment of industrial wastewater.

Course Outcomes:

- Understand the types of water pollutants and their effect on human and animal life
- Understand the physical, chemical and biological methods for wastewater treatment
- Ability to design industrial wastewater treatment units
- Understand the processes for sludge treatment and solid-waste disposal
- Understand the process and modelling of treatment wastewater disposal in water

Schedule of topics to be covered

| Slot | Topic | Date |
|----------------------|--|------------|
| Morning | Introduction to water pollution | 23.11.2020 |
| Afternoon | Sources and Effects of water pollution | 23.11.2020 |
| Morning | Wastewater characteristics – Physical, Chemical | 24.11.2020 |
| Afternoon | Wastewater characteristics - Biological | 24.11.2020 |
| Morning | Physical Methods of waste water treatment | 25.11.2020 |
| Afternoon | Design of sedimentation tanks and equalization tanks | 25.11.2020 |
| Morning | Chemical methods of waste water treatment | 26.11.2020 |
| Afternoon | Estimation of COD and BOD | 26.11.2020 |
| Morning | Biological Processes for waste water treatment | 27.11.2020 |
| Afternoon | Important micro-organisms for biological treatment, bacterial growth | 27.11.2020 |
| Morning | Kinetics of bacterial growth and design of biological treatment reactors | 28.11.2020 |
| Afternoon | Aerobic and anaerobic treatment methods | 28.11.2020 |
| Morning (1.5 h) | Sludge treatment | 30.11.2020 |
| Afternoon (1.5 h) | Disposal of treated waste water and Concluding remarks | 30.11.2020 |



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| Morning : 11:00 am – 1: 30 pm |
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| Afternoon : 2:00 pm - 4:00 pm |
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List of Registered students

| Sl. No. | Roll No | Name |
|---------|------------------|-------------------------|
| 1. | CSJMA16001390242 | AARTI SINGH |
| 2. | CSJMA16001390243 | ABHAY KATIYAR |
| 3. | CSJMA16001390244 | ABHAY PANDEY |
| 4. | CSJMA16001390334 | ABHISHEK YADAV |
| 5. | CSJMA16001390335 | AKSHAT GUPTA |
| 6. | CSJMA16001390245 | AMIT KUMAR GAUTAM |
| 7. | CSJMA16001390301 | ANAND KUMAR GUPTA |
| 8. | CSJMA16001390302 | ANAND KUMAR NIRANJAN |
| 9. | CSJMA16001390303 | ANKIT YADAV |
| 10. | CSJMA16001390353 | ASHUTOSH RAI |
| 11. | CSJMA16001390250 | ASHVINI RAJ SINGH |
| 12. | CSJMA16001390304 | AYUSH KUMAR SINGH |
| 13. | CSJMA16001390251 | AYUSH SINGH |
| 14. | CSJMA16001390252 | DEEWAKAR KUMAR |
| 15. | CSJMA16001390253 | DHANANJAY YADAV |
| 16. | CSJMA16001390254 | DHANESH PRAJAPATI |
| 17. | CSJMA16001390255 | DHARAMVEER |
| 18. | CSJMA16001390306 | DHIRENDRA KUMAR MISHRA |
| 19. | CSJMA16001390330 | DIKSHA VERMA |
| 20. | CSJMA16001390256 | GAURAV SINGH |
| 21. | CSJMA16001390319 | GAURAV YADAV |
| 22. | CSJMA16001390257 | GOVIND UPADHYAY |
| 23. | CSJMA16001390307 | HAMDAN ZIA |
| 24. | CSJMA16001390258 | HARSHIT VERMA |
| 25. | CSJMA16001390259 | HIMANSHU SHRIVASTAVA |
| 26. | CSJMA16001390260 | JATASHANKAR |
| 27. | CSJMA16001390332 | JIGYASA VERMA |
| 28. | CSJMA15001390345 | JYOTI GAUTAM |
| 29. | CSJMA16001390348 | KAILASHNATH YADAV |
| 30. | CSJMA16001390261 | KISHAN |
| 31. | CSJMA16001390262 | MERAJ KHAN |
| 32. | CSJMA16001390263 | MOHD ASIF ANSARI |
| 33. | CSJMA16001390264 | MOHD SALMAN |
| 34. | CSJMA16001390265 | MOHD ZEESHAN |
| 35. | CSJMA16001390336 | MOHD. ALTAMASH |
| 36. | CSJMA16001390351 | MOHIT DIWAKER |
| 37. | CSJMA16001390331 | NEERAJ KUMAR MAURYA |
| 38. | CSJMA16001390269 | NIHARIKA SINGH |
| 39. | CSJMA16001390270 | NIKHIL SHARMA |
| 40. | CSJMA16001390271 | NIKHIL SHUKLA |
| 41. | CSJMA16001390272 | PABONI BANERJEE |
| 42. | CSJMA16001390273 | PANKAJ MAURYA |
| 43. | CSJMA16001390341 | PARVI DIXIT |
| 44. | CSJMA16001390274 | PAWAN KUMAR |
| 45. | CSJMA15001390344 | PRADEEP KUMAR CHAUDHARY |
| 46. | CSJMA16001390275 | PRAJJWAL TRIPATHI |
| 47. | CSJMA16001390337 | RAGHVENDRA NATH MISHRA |
| 48. | CSJMA16001390322 | RAJAT KUMAR |

| | | |
|-----|------------------|-----------------------|
| 49. | CSJMA16001390230 | RAMENDRA PRATAP SINGH |
| 50. | CSJMA16001390311 | RUCHI SAVITA |
| 51. | CSJMA16001390354 | SHALINI SINGH |
| 52. | CSJMA16001390346 | SHASHWAT JAIN |
| 53. | CSJMA16001390310 | SHIV KUMAR |
| 54. | CSJMA16001390320 | SHIVA RAJPOOT |
| 55. | CSJMA16001390349 | SHREYA SINGH |
| 56. | CSJMA16001390312 | SHREYANSH JAIN |
| 57. | CSJMA16001390347 | SHRUTI PARMAR |
| 58. | CSJMA16001390350 | SNEHA SHAW |
| 59. | CSJMA16001390313 | SNEHIL KATTIYAR |
| 60. | CSJMA15001390328 | SUMIT JHA |
| 61. | CSJMA16001390314 | SWASTIKA GUPTA |
| 62. | CSJMA16001390297 | UTKARSH SINGH |
| 63. | CSJMA16001390317 | VAIBHAV PATEL |
| 64. | CSJMA16001390298 | VIBHANSHU SINGH |
| 65. | CSJMA16001390345 | VIJAY CHANDRA TIWARI |
| 66. | CSJMA16001390299 | VINOD KUMAR VERMA |
| 67. | CSJMA16001390300 | VISHAL BARNWAL |
| 68. | CSJMA16001390316 | VISHAL BHASKAR |
| 69. | CSJMA16001390315 | YASH P MISHRA |

Chemical Engineering Department
 UIET, CSJM University, Kanpur

Attendance of Registered students

| Sl. No. | Roll No | Name | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 | S11 | S12 | S13 | S14 | Total % |
|---------|------------------|------------------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|---------|
| 1 | CSJMA16001390242 | AARTI SINGH | * | * | * | * | * | | * | * | * | | * | * | * | * | 86 |
| 2 | CSJMA16001390243 | ABHAY KATIYAR | * | * | | | * | * | * | * | * | * | * | | * | * | 79 |
| 3 | CSJMA16001390244 | ABHAY PANDEY | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 4 | CSJMA16001390334 | ABHISHEK YADAV | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 5 | CSJMA16001390335 | AKSHAT GUPTA | * | * | * | * | | | | * | * | * | * | | * | * | 71 |
| 6 | CSJMA16001390245 | AMIT KUMAR GAUTAM | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 7 | CSJMA16001390301 | ANAND KUMAR GUPTA | * | * | * | * | * | * | * | * | * | | | * | * | * | 86 |
| 8 | CSJMA16001390302 | ANAND KUMAR NIRANJAN | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 9 | CSJMA16001390303 | ANKIT YADAV | * | * | * | | * | * | * | * | | * | * | * | | * | 79 |
| 10 | CSJMA16001390353 | ASHUTOSH RAI | * | * | | * | * | * | | | * | * | * | * | | * | 71 |
| 11 | CSJMA16001390250 | ASHVINI RAJ SINGH | * | | * | * | * | * | * | * | * | * | * | * | * | * | 93 |
| 12 | CSJMA16001390304 | AYUSH KUMAR SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 13 | CSJMA16001390251 | AYUSH SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 14 | CSJMA16001390252 | DEEWAKAR KUMAR | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 15 | CSJMA16001390253 | DHANANJAY YADAV | * | | | | * | * | * | * | * | | | * | * | * | 64 |
| 16 | CSJMA16001390254 | DHANESH PRAJAPATI | * | | | * | * | * | | | * | * | * | * | * | * | 71 |
| 17 | CSJMA16001390255 | DHARAMVEER | * | * | * | * | * | * | * | * | * | | | * | * | * | 86 |
| 18 | CSJMA16001390306 | DHIRENDRA KUMAR MISHRA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 19 | CSJMA16001390330 | DIKSHA VERMA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 20 | CSJMA16001390256 | GAURAV SINGH | * | | * | * | * | * | * | * | * | | * | * | * | * | 86 |
| 21 | CSJMA16001390319 | GAURAV YADAV | * | * | * | * | | | | | * | * | * | * | * | * | 71 |
| 22 | CSJMA16001390257 | GOVIND UPADHYAY | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 23 | CSJMA16001390307 | HAMDAN ZIA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 24 | CSJMA16001390258 | HARSHIT VERMA | * | * | * | * | * | * | * | * | * | * | | * | * | * | 93 |
| 25 | CSJMA16001390259 | HIMANSHU SHRIVASTAVA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 26 | CSJMA16001390260 | JATASHANKAR | * | * | | | * | * | * | * | * | * | | * | | * | 71 |
| 27 | CSJMA16001390332 | JIGYASA VERMA | * | * | * | * | * | | * | * | * | * | * | * | * | * | 93 |
| 28 | CSJMA15001390345 | JYOTI GAUTAM | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 29 | CSJMA16001390348 | KAILASHNATH YADAV | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 30 | CSJMA16001390261 | KISHAN | * | * | * | * | * | * | * | * | * | * | | | * | * | 86 |

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|----|------------------|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| 31 | CSJMA16001390262 | MERAJ KHAN | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 32 | CSJMA16001390263 | MOHD ASIF ANSARI | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 33 | CSJMA16001390264 | MOHD SALMAN | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 34 | CSJMA16001390265 | MOHD ZEESHAN | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 35 | CSJMA16001390336 | MOHD. ALTAMASH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 57 |
| 36 | CSJMA16001390351 | MOHIT DIWAKER | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 79 |
| 37 | CSJMA16001390331 | NEERAJ KUMAR MAURYA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 38 | CSJMA16001390269 | NIHARIKA SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 39 | CSJMA16001390270 | NIKHIL SHARMA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 93 |
| 40 | CSJMA16001390271 | NIKHIL SHUKLA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 93 |
| 41 | CSJMA16001390272 | PABONI BANERJEE | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 42 | CSJMA16001390273 | PANKAJ MAURYA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 79 |
| 43 | CSJMA16001390341 | PARVI DIXIT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 44 | CSJMA16001390274 | PAWAN KUMAR | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 45 | CSJMA15001390344 | PRADEEP KUMAR CHAUDHARY | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 79 |
| 46 | CSJMA16001390275 | PRAJWAL TRIPATHI | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 47 | CSJMA16001390337 | RAGHVENDRA NATH MISHRA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 48 | CSJMA16001390322 | RAJAT KUMAR | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 49 | CSJMA16001390230 | RAMENDRA PRATAP SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 50 | CSJMA16001390311 | RUCHI SAVITA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 36 |
| 51 | CSJMA16001390354 | SHALINI SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 52 | CSJMA16001390346 | SHASHWAT JAIN | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 53 | CSJMA16001390310 | SHIV KUMAR | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 71 |
| 54 | CSJMA16001390320 | SHIVA RAJPOOT | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 79 |
| 55 | CSJMA16001390349 | SHREYA SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 56 | CSJMA16001390312 | SHREYANSH JAIN | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 57 | CSJMA16001390347 | SHRUTI PARMAR | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 93 |
| 58 | CSJMA16001390350 | SNEHA SHAW | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 59 | CSJMA16001390313 | SNEHIL KATIYAR | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 60 | CSJMA15001390328 | SUMIT JHA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 86 |
| 61 | CSJMA16001390314 | SWASTIKA GUPTA | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 93 |
| 62 | CSJMA16001390297 | UTKARSH SINGH | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 71 |

Babu

| | | | | | | | | | | | | | | | | | | |
|----|------------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| 63 | CSJMA16001390317 | VAIBHAV PATEL | * | * | | * | | * | * | * | * | * | * | * | * | | * | 79 |
| 64 | CSJMA16001390298 | VIBHANSHU SINGH | * | * | * | * | * | * | * | | * | * | * | * | * | * | * | 93 |
| 65 | CSJMA16001390345 | VIJAY CHANDRA TIWARI | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 100 |
| 66 | CSJMA16001390299 | VINOD KUMAR VERMA | * | * | * | * | * | * | * | * | | * | * | * | * | * | * | 93 |
| 67 | CSJMA16001390300 | VISHAL BARNWAL | * | * | * | * | | | * | * | * | * | * | * | * | * | * | 86 |
| 68 | CSJMA16001390316 | VISHAL BHASKAR | * | * | * | * | * | * | * | | * | | * | * | * | * | | 79 |
| 69 | CSJMA16001390315 | YASH P MISHRA | * | * | * | * | | | | * | * | * | * | * | * | * | * | 79 |

B. B. B. A. C.

Chemical Engineering Department
UIET, CSJM University, Kanpur



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CSJM University Kanpur

This is to certify that

Aarti Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Abhay Katiyar

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Abhay Pandey

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Abhishek Yadav

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Amit Kumar Gautam

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Anand Kumar Gupta

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Anand Kumar Niranjana

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Ankit Yadav

has successfully completed the Value added course on
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Ashvini Raj Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Ayush Kumar Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Ayush Singh

has successfully completed the Value added course on
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Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Deewakar Kumar

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Dharamveer

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Dhirendra Kumar Mishra

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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CSJM University Kanpur

This is to certify that

Diksha Verma

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Gaurav Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Govind Upadhyay

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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CSJM University Kanpur

This is to certify that

Hamdaan Zia

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Harshit Verma

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Himanshu Srivastava

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Jigyasa Verma

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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CSJM University Kanpur

This is to certify that

Jyoti Gautam

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Kailashnath Yadav

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Kishan

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Meraj Khan

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Mohd Asif Ansari

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Mohd Salman

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Mohd Zeeshan

has successfully completed the Value added course on
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Mohit Diwakar

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Neeraj Kumar Maura

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Niharika Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Nikhil Sharma

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Nikhil Shukla

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Paboni Banerjee

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Pankaj Maurya

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Course Coordinator

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This is to certify that

Parvi Dixit

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Course Coordinator

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Course Coordinator



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This is to certify that

Pawan Kumar

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Course Coordinator

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Course Coordinator



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This is to certify that

Pradeep Kumar Chaudhary

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Prajjwal Tripathi

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Raghvendra Nath Mishra

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Rajat Kumar

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Course Coordinator

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Course Coordinator



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This is to certify that

Ramendra Pratap Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Shalini Singh

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Course Coordinator

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Course Coordinator



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This is to certify that

Shashwat Jain

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Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Shreya Singh

has successfully completed the Value added course on
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Shreyansh Jain

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Shruti Parmar

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Sneha Shaw

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Snehil Katiyar

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Sumit Jha

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

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Course Coordinator



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This is to certify that

Swastika Gupta

has successfully completed the Value added course on
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Vibhanshu Singh

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Vijay Chandra Tiwari

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Vinod Kumar Verma

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Vishal Barnwal

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
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Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator



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This is to certify that

Yash P Mishra

has successfully completed the Value added course on
INDUSTRIAL WASTEWATER TREATMENT
organized during 23-30 November 2020

Dr. Brishti Mitra
Course Coordinator

Dr. Abhishek K Chandra
Course Coordinator