

# **INFORMATION BROCHURE 2021-22**

## **ADVANCED DIPLOMA** **IN** **WATER QUALITY MANAGEMENT** (Institute -Industry Collaborative Course)

Unique course aims at  
creating trained  
personnel in the field  
of water treatment  
since 1998-99.



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**Department of Chemical Engineering**  
**Institute of Petrochemical Engineering**  
**Dr. Babasaheb Ambedkar Technological University, Lonere**

**(Tal: Mangaon, Dist: Raigad M.S. 402103)**



**Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY'S  
INSTITUTE OF PETROCHEMICAL ENGINEERING LONERE**  
TAL- MANGAON, DIST- RAIGAD PIN- 402103, Phone No.02140-275103,  
Email: [iopelonere@rediffmail.com](mailto:iopelonere@rediffmail.com) Website: [www.iopelonere.com](http://www.iopelonere.com)

## **ADMISSION NOTICE**

### **ADVANCED DIPLOMA IN WATER QUALITY MANAGEMENT 2021-22**

#### **(Twenty Third Batch)**

Applications are invited for admission to Institute-Industry Collaborative one year duration Advanced Diploma in Water Quality Management course of this University

Intake: 30 (Admission is by inter-se merit as per rules laid down by the University) Industry sponsored candidates: 3 (candidate should have minimum 2 years of work experience in water and water treatment field.

Eligibility: (A) Diploma in Chemical/Petrochemical/Plastic & Polymer/ Environmental / Civil /

Instrumentation / Electrical / Mechanical Engineering.

(B) Bachelor of Science (B.Sc.) with Chemistry at least up to second year.

Minimum 50 % marks for OPEN & 45% marks for Reserved Category at Diploma / B.Sc.

Reservation: As per rules laid down by Govt. of Maharashtra. However, there is no fee concession for this course. Course Fee: Rs.26,000/- & Rs.40,000/-for industry sponsored candidates.

For additional Information Contact:

The Coordinator, ADWQM. Phone :8788935765, 9423937968, [ravisk63@gmail.com](mailto:ravisk63@gmail.com),

Principal: 9422494173, 9028904712, [iopelonere@rediffmail.com](mailto:iopelonere@rediffmail.com)

Office Supdt: 9422353362, 02140 275103

The application form, along with information brochure, can be obtained in person from the Institute office on payment of Rs.1000/- from 15/11/2021 onwards. Or application form can be download from website.

Last date for submission of application form is 27/11/2021 (without late fee) and up to 03/12/2021 with late fee of Rs.500/-. Date of admission 07/12/2021.

For details, visit our website [www.iopelonere.com](http://www.iopelonere.com)

(Dr.M A.Dabhade)

**PRINCIPAL**

**Application form fee of Rs 1000/- is to be paid online using SB collect facility of state bank of India . the receipt of this to be enclosed alongwith application form.**

## **UNIVERSITY**

Government of Maharashtra established Dr. Babasaheb Ambedkar Technological University in May 1989. The University conducts eight-degree courses (B.Tech), seven postgraduate courses (M.Tech) and Ph.D. programmes.

## **INSTITUTE OF PETROCHEMICAL ENGINEERING**

This is a constituent Institute of the University. This Institute conducts eight diploma Courses & one advanced diploma course. This institute has completed 37 years.

## **CAMPUS & LOCATION**

Institute is located on the Mumbai-Goa National Highway (NH-66), almost at the foot of Raigad fort, 150 kms from Mumbai and 120 kms from Pune (via- Tamhini Ghat). It is at a distance of 20 kms from Mahad and 10 kms from Mangaon.

## **ADVANCED DIPLOMA IN WATER QUALITY MANAGEMENT (ADWQM)**

This is a unique course, which aims at creating trained personnel in the field of water treatment. Institute in collaboration with Ion Exchange (India) Ltd. has started the course during the academic year 1998-99. Ion Exchange India Ltd. has been working in the field since last forty years all over the world. Participation of M/s. Wipro Water Technologies Pvt Ltd., Mumbai, M/s. Neela India Ltd, Goregaon (Mumbai) , Thermax Ltd; Pune , SPARKLE Clean Tech, Khopoli, Aguapuro Equipments Pvt. Ltd., Mumbai, PBS Water Tech Pvt. Ltd., Navi Mumbai, H<sub>2</sub>O MSPL, Mumbai, Clear Water System, Thane, Premier Water Technology, Mahad , ARB Pvt Ltd ,Mumbai, Hydropure, Mumbai, WTE INFRA Pune, NALCO Roha etc. have strengthened this course by providing training and placement facility.

This course is designed by eminent academicians and industrial experts from water industries to prepare a skilled manpower in the field of service engineering to drinking water, effluent treatment plant; marketing of treatment plants, project documentation and design, quality control and water analysis. More than 300 students have completed this course and are performing well in the water industries. Few students have started their own firms in water treatment field.

## **MISSION OF THE COURSE**

To provide trained technical manpower to service engineering in the field of potable water, industrial water & wastewater treatment. The necessity of trained water treatment technicians has been increasing due to increased water pollution, fast changing industrial effluent & water treatment techniques, decreasing natural water resources, & increasing demand of potable and hygienic water.

## **PLACEMENT**

Campus interviews are arranged every year. Pass out students have got good placement in Ion Exchange India Ltd; Mumbai, Ion Exchange Services Ltd; Navi Mumbai, Neela India Ltd; Mumbai, Wipro Waters Ltd, Mumbai, Sparkle Clean Tech; Khopoli, Christ Nishotech, Navi Mumbai, Aqua Tech Asia; Pune, TELCO, Jamshedpur, Agua Puro; Mumbai, Dowac water systems, Bangalore etc. Many students are also working abroad in countries such as Indonesia, Malaysia, Singapore, Australia, USA, Kuwait & Gulf countries. Many pass out students have started their own business or in partnership, after two-three years' experience in this field. This course has record of accomplishment of 100 % placement with handsome emolument in reputed industries.

### **Placement Status**

<b>Sr No</b>	<b>Company</b>	<b>No. of students placed</b>	
		<b>2018-19 Batch</b>	<b>2019-20 Batch</b>
<b>1</b>	<b>Aguapuro Equipments Pvt Ltd, Mumbai</b>	<b>10</b>	<b>07</b>
<b>2</b>	<b>M/s Thermax Ltd ,Pune</b>	<b>5</b>	<b>01</b>
<b>3</b>	<b>Rochem India Pvt Ltd,Mumbai</b>	<b>5</b>	
<b>4</b>	<b>CLEAR WATER Company, Thane</b>	<b>4</b>	<b>02</b>
<b>5</b>	<b>ARB Pvt Ltd ,Mumbai</b>	<b>3</b>	
<b>6</b>	<b>Hydropure Systems Pvt Ltd, Mumbai</b>	<b>--</b>	<b>04</b>
<b>7</b>	<b>H2O MSPL,Mumbai</b>	<b>--</b>	<b>03</b>
<b>8</b>	<b>WTE INFRA Pune</b>	<b>--</b>	<b>03</b>
<b>9</b>	<b>NALCO Roha</b>	<b>-</b>	<b>01</b>

## **ELIGIBILITY**

(A) Diploma in Chemical / Petrochemical / Plastic & Polymer / Environmental / Mechanical, Electrical / Instrumentation / Civil Engineering.

(B) Bachelor of Science (B.Sc.) with Chemistry as the main subject at least up to second year, **Minimum 50% marks for open & 45 % marks for reserved category at diploma or B.Sc. level.**

## **ADMISSION**

Intake capacity for course is thirty and three industry sponsored candidates over and above thirty intake. Admission is by inter-se merit as per rules laid down by the University/ Government of Maharashtra.

## **ADMISSION RULES:**

1. Fifteen seats are reserved for diploma & fifteen seats for B.Sc. students.
2. There are totally thirty seats. Out of them 15 seats each are reserved for diploma and BSc candidates.
3. The total fees per annum would be Rs 26000/- ( Rs. Twenty Thousand only). For Industry Sponsored candidates fee is Rs 40,000 to be paid by Industry
4. Admissions will be as per reservation rules of government of Maharashtra
5. Provision is made from academic year 2017-18 for admission of (10% maximum) three sponsored candidates (only male candidates) from water industries which will be over and above the sanctioned intake. Three industry sponsored candidate should have two years of working experience in water treatment field.
6. Such sponsored candidates should have worked for minimum one year in water industry. Such candidate must submit sponsorship letter from the concerned company as per the given format
7. Fees for sponsored candidate is be Rs.40000/- (Rs.Forty Thousand only) to be paid by industry. Also sponsoring Industry must assure that they will provide training and placement to the candidate.

## **RESERVATION**

Reservation is as per rules laid down by Govt. of Maharashtra. However, there is no fee concession for this course since this is self-financed course. Reserved category candidates must produce necessary documents such as caste certificate, non creamy layer certificate (except SC and ST candidates)

## **FEES STRUCTURE**

Tuition fee: Rs. 17,000/- & other fees Rs. 9,000/- . **Total fee: Rs. 26,000/-.**

Student has to pay fee at the time of admission by I-collect facility of State Bank Of India, Mangaon (0276).Candidate must submit the generated receipt to office for the confirmation of his admission.

## **TEACHING SCHEME**

It is a trimester pattern. Each trimester is of four months duration. In the first two trimesters, students are required to attend classroom lectures along with laboratory practical in the Institute. In last trimester student has to undergo industrial training. The curriculum is modified from academic year 2007-08. It is based on credit system. After successful completion, advanced diploma is awarded based on overall CGPA.

## **CURRICULUM**

Curriculum is designed based on the need of the industry in consultation with the industrial and academic experts. The curriculum is revised from time to time. It consists of following subjects.

### *TRIMESTER I:*

- Communication Skill
- Mechanical Technology
- Plant Safety & Environmental Engineering
- Stiochiometric Calculations & Unit Operations
- Water Chemistry & Analytical Techniques
- Water Treatment I
- Engineering Drawing

### *TRIMESTER II*

- Electrical Technology
- Fluid Flow Operation
- Instrumentation & Control in Water Treatment Plants
- Water Treatment II
- Water Treatment III
- Water Treatment Plant Drawing

### *TRIMESTER III*

- Seminar
- Industrial Training

## **FACILITIES AVAILABLE AT THE INSTITUTE**

- **Library:** The Library has good collection of literature of water science, water treatment and other related subjects. Indian and foreign journals related to water and wastewater treatment are subscribed. Internet facility is also available. Students get books under book bank scheme for one trimester at 15 % of original cost of book.
- **Laboratories :** Laboratories are well equipped with water quality testing instruments, UV-Visible spectrophotometer, reverse osmosis, mixed bed unit, demineralization plant, softner, PSF, Lamella clarifier, water testing kits etc.
- **Hostel Accommodation:** Hostel accommodation with mess facility will be provided as per availability & on merit basis.

## **FACULTY**

The faculty teaching this course is well qualified and is having teaching as well as industrial experience. Some of faculty members have undergone three months higher education programme of British Council in the field of advanced water treatment technology at Cranfield University, United Kingdom.

## **DOCUMENTS REQUIRED for Admission**

- (1) S.S.C. Marks sheet, (2) H.S.C Marks sheet, (3) Diploma / B.Sc. (all three years marks sheet, (3) Leaving Certificate, (4) Caste Certificate for the candidates belongs to SC, ST, VJ, NT, OBC, SBC (5) Non-Creamy layer certificate, (6) Company Sponsorship letter for Sponsored Candidate. (7) Aadhar card

## **SCHEDULE FOR ADMISSION TO ADVANCED DIPLOMA COURSE IN WATER QUALITY MANAGEMENT FOR YEAR ACADEMIC YEAR 2021-2022**

<b>Sr.No.</b>	<b>ACTIVITY</b>	<b>DATE &amp; TIME</b>	
<b>01</b>	<b>Issue of Brochure &amp; Application Form @ Rs.1000/-</b>	<b>15/11/2021</b>	
<b>02</b>	<b>First day to receive filled application forms at the Institute</b>	<b>15/11/2021</b>	
<b>03</b>	<b>Last day to receive filled application form at the Institute</b>	<b>27/11/2021</b>	
<b>04</b>	<b>Submission of application form with Late Fees Rs. 500/-</b>	<b>03/12/2021</b>	
<b>05</b>	<b>Display of Provisional Merit List</b>	<b>04/12/2021</b>	
<b>06</b>	<b>Grievance if any about Provisional Merit List</b>	<b>06/12/2021</b>	<b>upto 2.30 P.M</b>
<b>07</b>	<b>Display of Final Merit List</b>	<b>06/12/2021</b>	<b>4.30 P.M.</b>
<b>08</b>	<b>Date and Time of admission – Round I</b>	<b>07/12/2021</b>	<b>10.30 AM</b>
<b>09</b>	<b>Round of admission for filling vacancies if any, falling vacant due to cancellation- Round II</b>	<b>13/12/2021</b>	<b>10.30 AM</b>
<b>10</b>	<b>Round of admission for filling vacancies if any, falling vacant due to cancellation-Round III</b>	<b>18/12/2021</b>	<b>10.30 AM</b>
<b>11</b>	<b>Cut off date for admission process</b>	<b>20/12/2021</b>	<b>5.30PM</b>
	<b>Commencement of classes</b>	<b>08/12/2021</b>	

For any change in the above details because of unforeseen reason and for any additional information, candidates are advised to see detailed notice on Institute notice board.

**Candidate can cancel his/her admission before cut of date. The fees paid would be refunded after deducting processing charges of Rs. 1500/- . Under any circumstances, no any fee would be refunded, if admitted candidate cancel his/her admission after the cutoff**



**date. The process of admission will be conducted as per the schedule mentioned above and no one will be intimated by post.**

Those who fail to report at the scheduled date and time of admission for scrutiny of application form will forfeit his claim on seat and the next candidate will be offered admission as per the inter-se-merit. **Admission will be confirmed only after the payment**

Original documents should be presented at the time of admission. No relaxation either in payment of fee or submission of original documents will be granted. Candidates claiming reserved seats should produce caste certificate and non creamy layer certificate as applicable

**For additional information contact:**

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## Some of our Alumni

- **Mr. Girish Jambekar**-Factory Manager, Orai Factory, Hindustan Unilever Limited
- **Mr. Rohidas Thale**- Proprietor,Shri Water and Waste Water Services. Operation & Maintenance of WTP, STP, ETP
- **Mr. Dhanesh Khedekar**-Proprietor, Ratnadeep Enterprises, Chiplun
- **Mr. Amol Pingale**-Proprietor, ADP Enterprises, Kalyan and The A&S Engg systems, Pune
- **Mr. Umesh Bahirsheth**-Sr. Manager, Projects, Revolve group, Hyderabad
- **Mr. Kamalesh Sawant**- Proprietor, H<sub>2</sub>O Management Services Pvt Ltd, Mumbai
- **Mr. Prashant Deshmukh**- Manager, Project commissioning, Aquatech Asia pvt ltd, Pune
- **Mr. Shailesh Patil**- Manager,Technical Support,Praj High Purity Systems,Mumbai
- **Mr. Tanay Mule**- Manager,Business Development ,Praj High Purity Systems,Mumbai
- **Mr.Sachin Nagothkar**- Director, Clear Water Company, Thane

## Comments of past students about ADWQM

### 1) **Mr.Kishor Patil**

I am student of first batch and passed out in 1999. I worked for 13 years in water field in various companies. From 2013, I am running my own company “Palak Aquapure Services ” with turnover of Rs 3 crores with collaboration from Ion Pure, USA, Memcor, Australia, Evoqua Lab Water Systems, Germany. Major share of my success goes to ADWQM course. I have done this course after B. Sc. and succeeded in my career.

### 2) **Mr. Vilas Pawar, USA**

It was the best decision of my life to join A.D.W.Q.M course. Because of this only, today I am enjoying my professional life worldwide. I got the chance to work on few of international projects with foreigners and it is of great help to increase my self confidence and professional work experience. Till date I have worked in around 5-6 countries. During my profession, I am working with highly educated persons having BE, B.Tech, ME, M.Tech, Doctoral qualification. Before A.D.W.Q.M. I was only a B.Sc. degree holder student but with A.D.W.Q.M.course, I got my career on forward path. Presently I am working country in USA.

### 3) **Mr.Prashant Deshmukh, Commissioning Manager, Aquatech Sys. Asia Pvt Ltd, Pune**

I am very much thankful to ADWQM course, Institute and all respected faculty members for conducting this course. This is unique course in which students get good knowledge about water & waste water treatment. We can enter practical world confidently after this course. I am student of second batch but still remember the way we were taught by water experts. Now I feel proud when people call me water expert.

### 4) **Kunal Asmallu , Praj HiPurity Systems Ltd, Mumbai:, Manager, Projects**

Water is essential for human being and indivisible part of industries, choosing a career and contribute in such important part of human life is most honorable thing for me.

ADWQM is the best diploma course for those who dream high and want to connect their career with water industry. Looking at the importance of water in future, the students will grow vertically in coming time.

Grabbing the opportunities coming in my path I started my career as commissioning engineer in Year 2008 with Neela (Praj HiPurity Systems Ltd), Coming diagonally the long journey of 13 Years, company offered me an assortment of opportunity to grow in personal and professional life.

**5) Amit Shetty, Premier Aquagrand, Mahad:**

I have completed ADWQM course in 2009. Presently, I am running my own company, Premier Water Technology. I never thought that I would actually accomplish my educational dreams and be successful in my life, and become successful entrepreneur.

**6) Kamlesh Sawant, H<sub>2</sub>O MSPL, Mumbai: Entrepreneur**

I was in 2001 batch of Water Quality Management. Joined Ion Exchange and worked as Engineer for 3 years. With the confidence earned during three years and the demand in water treatment, I started my own business and it's been 16 years now. We have 65 employees, owned two offices in Kalyan, one in Mulund and factory at Asangaon in 10,000 ft.<sup>2</sup>. My company have executed overseas project in Cambodia and Nairobi. All this happened because of the excellent designed course which gave us opportunity to learn from designing to servicing of water systems. Excellent faculty both internal as well as external gave us an opportunity to learn theoretical as well as practical aspects of water industries. Last year Industrial training period was a real game changer as we learned how to face customer and other inter office skills, which made us ready to get quick job. I thank each and every faculty who helped me to build my career and shape my future.

**7) Prashant Gawali, Technical Manager, Priyann Enterprises Limited, Kenya**

As being student of ADWQM of IOPE, I feel honored that I got a chance to learn and study under the guidance of exceptional staff. Our seniors from ADWQM batch and their success story really inspired me to become Proud Water Engineer. Guidance of my teachers helped me a lot while I was working at site because till date I have completed my 7 years of duty in water and wastewater treatment field. During my professional career I have gone through multiple roles like Trainee Engineer, Plant Operator, Service Engineer, Site Engineer, Project engineer, Team Leader etc. Mostly I have spent time developing skills in installation, commissioning, troubleshooting of water treatment plants. Reading books about water and wastewater treatment helped me for value addition. I got a chance to work within PAN India and various countries like Uganda, Zambia, Sri Lanka, Bangladesh, Kenya. Now I'm currently working as Technical Manager at Priyann Enterprises Limited, Kenya. I agree on ADWQM is offering one of the best knowledge about water and waste water treatment chemistry and its technology. For young Water Engineers I congratulate them for being part of ADWQM.