

# **INFORMATION BROCHURE 2024-25**

## **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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**Diploma Wing**  
**Dr. Babasaheb Ambedkar Technological University,**  
**Lonere**  
**(Tal: Mangaon, Dist: Raigad M.S. 402103)**



**Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY**

**TAL- MANGAON, DIST- RAIGAD PIN- 402103,**  
Email:principal@dbatu.ac.in Website: www. dbatu.ac.in

## **ADMISSION NOTICE**

### **ADVANCED DIPLOMA IN WATER QUALITY MANAGEMENT 2024-25**

#### **(Twenty sixth 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/Polymer & Plastic/ 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, 9423937968, [ranjitbhalerao50@gmail.com](mailto:ranjitbhalerao50@gmail.com)

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

The application form, along with the information brochure, can be obtained in person from the Institute office on payment of Rs.1000/- from 5/08/2024 onwards. Or application form can be downloaded from the website.

The last date for submission of the application form is 10/09/2024 (without late fee) and up to 18/09/2024 with a late fee of Rs.500/-. Date of admission 21/09/2024.

For details, visit our website [www.dbatu.ac.in](http://www.dbatu.ac.in)

(Dr.M.A.Dabhade)

PRINCIPAL

(Dr. A.W.Kiwelekar)

I/c REGISTRAR

## **UNIVERSITY**

The government of Maharashtra established Dr. Babasaheb Ambedkar Technological University in May 1989. The University conducts degree courses (B.Tech), postgraduate courses (M.Tech, MBA . MCA), and Ph.D. programs, eight diploma Courses, and one advanced diploma course.

## **CAMPUS & LOCATION**

The university is located on the Mumbai-Goa National Highway (NH-66), almost at the foot of Raigad Fort, 150 km from Mumbai and 120 km from Pune (via- Tamhini Ghat). It is at a distance of 20 km from Mahad and 10 km 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. University in collaboration with Ion Exchange (India) Ltd. started the course during the academic year 1998-99. Ion Exchange India Ltd. has been working in the field 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, H2O MSPL, Mumbai, Clear Water System, Thane, Premier Water Technology, Mahad, ARB Pvt Ltd, Mumbai, Hydropure, Mumbai, WTE INFRA Pune, NALCO Roha, TSA, Mumbai, Praj High Purity systems, Mumbai, Watermass Systems, Mumbai SSB Enviro Mumbai, Machinfabrik Mumbai have strengthened this course by providing training and placement facility.

The course is designed by eminent academicians and industrial experts to prepare skilled manpower for water treatment, effluent treatment, marketing of treatment plants, project documentation and design, quality control, and water analysis. More than 350 students have completed this course and are performing well in the water industry. Few students have started their firms in the 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 for trained water treatment technicians has been increasing due to increased water pollution, fast-changing industrial effluent & water treatment techniques, decreasing natural water resources, and increasing demand for 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, Praj High Purity Systems, Mumbai, TSA process Equipments, Mumbai, Hydropure Systems, Mumbai, 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 of experience in this field. This course has a 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>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>
<b>1</b>	<b>Aguapuro Equipments Pvt Ltd, Mumbai</b>	<b>--</b>	<b>04</b>	<b>05</b>
<b>2</b>	<b>M/s Thermax Ltd, Pune</b>	<b>03</b>	<b>--</b>	<b>--</b>
<b>3</b>	<b>Wipro Water, Mumbai</b>	<b>--</b>	<b>07</b>	<b>--</b>
<b>4</b>	<b>C.N Water System Pvt Ltd, Mumbai</b>	<b>--</b>	<b>--</b>	<b>03</b>
<b>5</b>	<b>ARB Pvt. Ltd, Mumbai</b>	<b>03</b>	<b>--</b>	<b>--</b>
<b>6</b>	<b>Hydropure Systems Pvt Ltd, Mumbai</b>	<b>03</b>	<b>--</b>	<b>01</b>
<b>7</b>	<b>SBS Enviro Mahape, Navi Mumbai</b>	<b>--</b>	<b>--</b>	<b>01</b>
<b>8</b>	<b>WTE INFRA, Pune</b>	<b>06</b>	<b>04</b>	<b>--</b>
<b>9</b>	<b>Machinfabrik, Mumbai</b>	<b>--</b>	<b>--</b>	<b>01</b>
<b>10</b>	<b>Praj High Purity Systems, Mumbai</b>	<b>01</b>	<b>--</b>	<b>--</b>
<b>11</b>	<b>Watermass Systems Pvt. Ltd, Mumbai</b>	<b>01</b>	<b>--</b>	<b>--</b>
<b>12</b>	<b>TSA Process Equip. Pvt. Ltd, Mumbai</b>	<b>04</b>	<b>03</b>	<b>--</b>
<b>13</b>	<b>Aquatech Systems (Asia) Pvt. Ltd, Pune</b>	<b>04</b>	<b>01</b>	<b>--</b>

## **ELIGIBILITY**

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

**(B)** Bachelor of Science (B.Sc.) with Chemistry as the main subject at least up to the second year,

**Minimum 50% marks for open & 45 % marks for the reserved category at diploma or B.Sc. level.**

## **ADMISSION**

The intake capacity for the 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.

1. Fifteen seats are reserved for diplomas and fifteen seats for B.Sc. students.
2. There are a total of thirty seats. Out of these, fifteen seats, each is reserved for diploma and B.Sc. 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 the Industry
4. Admissions will be as per reservation rules of the Government of Maharashtra
5. Provision is made from the academic year 2017-18 for admission of (10% maximum) three sponsored candidates from water industries which will be over and above the sanctioned intake. Three industry-sponsored candidates should have two years of working experience in the water treatment field.
6. Such sponsored candidates should have worked for a minimum of one year in the water industry. Such candidate must submit a sponsorship letter from the concerned company as per the given format
7. Fees for a sponsored candidate are Rs.40000/- (Rs. Forty Thousand only) to be paid by the industry. Also sponsoring Industry must ensure 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 a 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/-.**

A student has to pay a fee at the time of admission by online mode. Candidate must submit the generated receipt to the office for the confirmation of 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 practicals in the Institute. In the last trimester, students have to undergo industrial training. The curriculum is modified from academic year 2007-08. It is based on a credit system. After successful completion, the advanced diploma is awarded based on an overall CGPA.

## **CURRICULUM**

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

### **TRIMESTER I**

- Communication Skills
- Mechanical Technology
- Plant Safety & Environmental Engineering
- Stoichiometric 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 UNIVERSITY**

- **Library:** The Library has a good collection of literature on 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 the book bank scheme for one trimester at 15 % of the original cost of the book.
- **Laboratories:** Laboratories are well equipped with water quality testing instruments, UV-Visible spectrophotometer, reverse osmosis, mixed bed unit, demineralization plant, softener, PSF, Lamella clarifier, water testing kits, etc.
- **Hostel Accommodation:** Hostel accommodation with a mess facility will be provided as per availability and on a merit basis.

## **FACULTY**

The teaching faculty of the course is highly qualified with teaching as well as industrial experience. Some of the faculty members have undergone a three-month higher education program of the 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)  
(4) Leaving Certificate (5) Caste Certificate for the candidates of SC, ST, VJ, NT, OBC, SBC category (6) Non-Creamy layer certificate (7) Company Sponsorship letter for Sponsored Candidate (8) Aadhar card

## **SCHEDULE FOR ADMISSION PROCESS**

### **ADVANCED DIPLOMA IN WATER QUALITY MANAGEMENT**

#### **ACADEMIC YEAR 2023-2024**

<b>Sr.No.</b>	<b>ACTIVITY</b>	<b>DATE &amp; TIME</b>	
<b>01</b>	<b>Issue of Brochure &amp; Application Form</b>	<b>5/08/2024</b>	
<b>02</b>	<b>First day to receive filled application form at the Diploma office</b>	<b>5/08/2024</b>	
<b>03</b>	<b>Last day to receive the filled application form at the Diploma office</b>	<b>10/09/2024</b>	
<b>04</b>	<b>Submission of application form with Late Fees Rs. 500/-</b>	<b>18/09/2024</b>	
<b>05</b>	<b>Display of Provisional Merit List</b>	<b>19/09/2024</b>	
<b>06</b>	<b>Grievance if any about Provisional Merit List</b>	<b>19/09/2024</b>	
<b>07</b>	<b>Display of Final Merit List</b>	<b>20/09/2024</b>	
<b>08</b>	<b>Date and Time of Admission – Round I</b>	<b>21/09/2024</b>	<b>10 .30 A.M</b>
<b>09</b>	<b>Round of admission for filling vacancies if any, falling vacant due to cancellation- Round II</b>	<b>27/09/2024</b>	<b>10.30 A.M.</b>
<b>10</b>	<b>Round of admission for filling vacancies if any, falling vacant due to cancellation-Round III</b>	<b>7/10/2024</b>	<b>10.30 A.M.</b>
<b>11</b>	<b>The cutoff date for the admission process (No fee refund if admission is cancelled after cut off date)</b>	<b>14/10/2024</b>	
	<b>Commencement of classes</b>	<b>1/10/2024</b>	



**Candidates are advised to check the notice board and website regularly for any change in the above schedule due to any unforeseen reason.**

**Candidates can cancel admission before the cutoff date. The fees paid would be refunded after deducting processing charges of Rs. 1500/-.**

**Fees will not be refunded if the admitted candidate cancels admission after the cutoff date.**

**The admission process will be conducted as per the schedule mentioned above.**

**Those who fail to report at the scheduled date and time of admission for scrutiny of the application form will forfeit their claim for a seat and the next candidate will be offered admission as per the inter-se-merit.**

**Admission will be confirmed only after the payment of fees.**

Original documents will be verified 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 a caste certificate and non-creamy layer certificate as applicable

**For additional information:**

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## **Some of our Alumni**

- **Mr. GirishJambekar**-Factory Manager, Orai Factory, Hindustan Unilever Limited
- **Mr. RohidasThale**- Proprietor,Shri Water and Waste Water Services. Operation & Maintenance of WTP, STP, ETP
- **Mr. DhaneshKhedekar**-Proprietor, Ratnadeep Enterprises, Chiplun
- **Mr. AmolPingale**-Proprietor, ADP Enterprises, Kalyan and The A&S Engg systems, Pune
- **Mr. UmeshBahirsheth**-Sr. Manager, Projects, Revolve group, Hyderabad
- **Mr. KamaleshSawant**- Proprietor, H<sub>2</sub>O Management Services Pvt Ltd, Mumbai
- **Mr. PrashantDeshmukh**- Manager, Project commissioning, Aquatech Asia pvt ltd, Pune
- **Mr. ShaileshPatil**- Manager,TechnicalSupport,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) Kishor Patil**

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

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

It was the best decision of my life to join A.D.W.Q.M course. Because of this, today I am enjoying my professional life worldwide. I got the chance to work on a few of international projects with foreigners and it is of great help to increase my self-confidence and professional work experience. To date, I have worked in around 5-6 countries. During my profession, I am working with highly educated and experienced people. 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.

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

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

#### **4) Kunal Asmallu ,Praj Hi Purity Systems Ltd, Mumbai, Manager, Projects**

Water is essential for human beings industries, choosing a career and contributing to such an important part of human life is the most honorable thing for me. ADWQM is the best diploma course for those who dream high and want to connect their career with the water industry. Looking at the importance of water in the future, the students will grow vertically in the coming time.

Grabbing the opportunities coming in my path I started my career as a commissioning engineer in the Year 2008 with Neela (PrajHiPurity Systems Ltd), Coming diagonally the long journey of 13 Years, the company offered me an assortment of opportunities to grow in my 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 the 2001 batch of Water Quality Management. I Joined Ion Exchange and worked as an Engineer for 3 years. With the confidence earned over three years and the demand for water treatment, I started my own business and it's been 16 years now. We have 65 employees, own two offices in Kalyan, one in Mulund and a factory at Asangaon in 10,000 ft.<sup>2</sup> . My company has executed overseas project in Cambodia and Nairobi. All this happened because of the excellently 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's Industrial training period was a real game changer as we learned how to face customers and other inter-office skills, which made us ready to get quick jobs. 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 a student of ADWQM, I feel honored that I got a chance to learn and study under the guidance of exceptional staff. Our seniors from the ADWQM batch and their success stories inspired me to become a Proud Water Engineer. The guidance of my teachers helped me a lot while I was working at the site. To date, I have completed my 7 years of duty in the water and wastewater treatment field. During my professional career, I have had multiple roles as a trainee engineer, plant operator, service engineer, site engineer, project engineer, team leader, etc. Mostly I have spent time developing skills in installation, commissioning, and troubleshooting of water treatment plants. Reading books about water and wastewater treatment helped me with value addition. I got to work within PAN India and various countries like Uganda, Zambia, Sri Lanka, Bangladesh, and Kenya. Currently working as Technical Manager at Priyann Enterprises Limited, Kenya. ADWQM offers the best knowledge about water and wastewater treatment.