



Dr. DRASHTI K. BHATT

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OBJECTIVE	<ol style="list-style-type: none">1. To give the organization my best performance and use my abilities in achieving the given tasks.2. To work for the given post with full sincerity and honesty in the organization.
EDUCATION	<p><u>Ph. D in Environmental Engineering (2022)</u> “Photocatalytic Decolourization of Reactive Black 5 Dye Using silver Based Photocatalysts” <u>CHARUSAT University, Changa, Gujarat</u></p> <p><u>M.E. Environmental Engineering (2007)</u> Final CPI: 9.43 (Equivalent %: 81.43) Award: GOLD MEDAL. Institute: ISTAR, Sardar Patel University, Vallabh Vidyanagar, Anand – 388120. Gujarat, India. Dissertation Topic: “Removal of Arsenic Using Coal Flyash Water Filter”.</p> <p><u>B.E. Civil Engineering (2004)</u> Result: Distinction-74% Sardar Patel Institute of Technology, Vasad Gujarat University, Gujarat, India.</p>
WORK EXPERIENCE	<p>Teaching work experience: above 15 years</p> <p><u>Current Job:</u> A. D. PATEL INSTITUTE OF TECHNOLOGY (Constituent Institute of Charotar Vidyamandal University (CVMU)) New Vidyanagar, Anand, Guj. Period : 1st July 2013 onwards - till date Post: Assistant Professor</p> <p>Work Profile:</p> <ol style="list-style-type: none">1. Teaching area subjects taught: Environmental Engineering, Water and Wastewater Engineering, Energy and Environmental Science, Environmental Impact Assessment, Irrigation Engineering, Hydrology and Water Resource Engineering, Design of Hydraulic Structures, Smart Cities Planning and Management, Railway, Bridge and Tunnel Engineering, Building Construction and Technology,

Building and Town Planning, Role of Civil Engineering: Societal and Global Level, Environmental Studies, Elements of Civil Engineering

2. **Academics related activities:**

Preparation of Practical manuals, coordinator for teaching subjects, preparation of syllabus with inception of CVM university, subject convener at university, paper setting and assessment (internal and external), organizing expert lectures and field visits for students

3. **Department level involvement:**

Timetable coordinator, Academic Coordinator, faculty advisor, final year project coordinator (GTU), Environmental engineering Laboratory setup and in-charge, Coordinated ATAL FDP on “Green Technology – Innovations and Challenges”, 12th to 23rd Dec 2022 (2 weeks FDP).

4. **Institute level involvement:**

Mentor of Environment Audit Team of ADIT, Coordinator of Institute SSIP cell, Institute co-coordinator of Freshman Induction and Bridge course program, Co-coordinator of Unnat Bharat Abhiyan Cell, Core Member of Institute Event organization cell, Core Member of Institute Alumni cell, Member of Institute Innovation cell (IIC), Member of CVMUISC (CVM University Innovation and Startup Centre, Member of Women Development cell (WDC) and internal complaint cell for women, Worked as committee member and coordinator for various types of hackathon hosted at institute, active involvement in various events at department and institute level.

5. Appointed as examiner and paper setter at other universities – BVM, MSU, CHARUSAT.

Previous work experience:

1. **MADHUBEN AND BHANUBHAI PATEL INSTITUTE OF TECHNOLOGY (MBIT), NEW VALLABH VIDYANAGAR, GUJARAT, INDIA. (4 years)**

Period: 1st July 2009 to 30th June 2013.

Post: **Assistant Professor**

Position: **Head of Department**

Work Profile:

1. Department management and administrative activities
2. Teaching area include following subjects: Elements of civil engineering, Environmental studies, Mechanics of solids
3. Laboratory Set-up
4. Member of organizing committee of co-curricular and extra-curricular activities of the institute.
5. Involved in various activities related to academics during the inception years.

<p>TECHNICAL PAPERS PUBLISHED/ PRESENTED</p>	<p>2. BIRLA VISHWAKARMA MAHAVIDYALAY (BVM), VALLBH VIDYANAGAR, GUJARAT, INDIA. (2 years) Period: 20th July 2007 to 28th June 2009 Post: Lecturer Work Profile:</p> <ol style="list-style-type: none">1. Teaching area subjects: Elements of Civil Engineering, Materials of Construction, Building Planning and Design, Advance Surveying, Transportation Engineering, Construction Management and Equipment, Estimation and costing,2. Administrative work related to the department (timetable preparation, assignment preparation, departmental library)3. Member of organizing committee of co-curricular and extra-curricular activities of the institute. <p>3. CHOKHAVATIA ASSOCIATES, Ahmedabad. Period: 1 month Post: Trainee Engineer</p> <p>Work Profile:</p> <ol style="list-style-type: none">1. EIA for TATA Chemical Unit, Methapur, Gujarat.2. Monthly analysis reports for client industries for auditing. <p>Honorary member of Environmental Audit Team of SICART - Schedule I Auditor since 2008 (Sophisticated Instrumentation Centre for Applied Research and Testing – SICART)</p> <ol style="list-style-type: none">1. “Photocatalytic degradation of Reactive Black 5 using Ag₃PO₄ under visible light. Journal of Physics and Chemistry of Solids”, 2021, Vol 149, 109768. (https://doi.org/10.1016/j.jpics.2020.109768)2. “Mechanism underlying visible-light photocatalytic activity of Ag/AgBr: Experimental and theoretical approaches”, Journal of Physics and Chemistry of Solids, Dec 2019, Vol 135, 109119. (https://doi.org/10.1016/j.jpics.2019.109118)3. “Plasmonic Ag⁰/AgBr Photocatalyst for the Rapid Decolourization of Reactive Black 5 (RB5) under Visible Light”, World Environmental and Water Resources Congress 2016, ASCE Conference, Florida (USA), 22-26 May 2016. (https://doi.org/10.1061/9780784479889.028)4. “Greywater Recycling: An Environment Friendly Approach”, International Conference on Women in Science and Technology: Creating Sustainable Career, January 28-30, 2016.5. “Adverse Effect of dye and its Classification”, International Conference on Women in Science and Technology: Creating Sustainable Career, January 28-30, 2016.6. “Removal of Arsenic Using Dual Media filters”, National Conference on Recent advances in Civil and Structural Engineering, ISBN 978-81-92755-1-0, March 2014.7. “Utilization of Plastic Waste in Construction Roads”, International Journal of Scientific Research, ISSN 2277-8179, April 2014.
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<p>WORKSHOP / EVENTS ORGANIZED OR INVOLVEMENT</p>	<p>8. “A Review on Behaviour and damages of Buildings During Earthquake”, International Journal of Structural and Civil Engineering Research, ISSN: 2310-6009, May 2014</p> <p>9. “Pollution Control – Removal Of Arsenic Using Coal Flyash Water Filter” by Dr. K. N. Sheth and Drashti k Bhatt, Chemical Engineering World (Vol 42, no 2, February 2007)</p> <p>Institute level activities involvement:</p> <ol style="list-style-type: none">1. ADIT - Co-coordinator of SSIP Cell2. ADIT - Member of IIC and CVMUISC3. ADIT - Freshman (First Year) Induction Program (Bridge Course) (A.Y. 2020-21, 2021-22, 2022-23)4. ADIT - Core member of Alumni Meet (2021, 2022, 2023)5. ADIT - Co-coordinator of Unnat Bharat Cell – Village survey project at 5 villages in March 2022.6. ADIT - Co-coordinator of ATAL FDP on “Green Technology – Innovations and Challenges”, 2 weeks FDP, Dec 20227. ADIT - Coordinator for Azadi ka Amrit Mahotsav Hackathon 2022 – Grand Finale round on 10th- 11th Feb 2023, Host – CVM University8. ADIT - Team member during CVM University event of Gnanotsav 2022, January 2022.9. ADIT - Co-coordinator for CVM University Hackathon 1.0, March 202310. ADIT - Team member during Smart India Hackathon – Hardware Edition, August 202211. ADIT - Team member during inaugural of IDEA Lab of ADIT and GCET by Union Minister Shri Rajeev Chandrashekhara, June 2022.12. ADIT - Coordinator for National Pollution Control Day – 2nd Dec 202113. ADIT - Women Development cell and internal complaint committee14. ADIT - Nodal officer for Vishwakarma Projects at institute (Gujrat Technical University since 2019)15. ADIT – admission committee member (2015 to 2019)16. MBIT – Annual Day coordinator and Core team member of Techfest (2013)17. Committee member during BVM Diamond Jubilee Function (2009)18. BVM – admission committee team member19. ADIT and MBIT - Worked in various organising committees of institute for event execution <p>Departmental level Activities involvement:</p> <ol style="list-style-type: none">20. ADIT - Department academic Coordinator21. ADIT - Departmental Timetable Coordinator22. ADIT - Final year students Project Coordinator (2014 to 2018)23. ADIT - Coordinator for IGBC World Green Building Week – lecture series, Sept 202224. ADIT - Coordinator for IGBC Green Building Week Celebration - 202125. ADIT - Worked as a team member in the one-day workshop on “Advances in Durability of Concrete” (2016)26. ADIT - Organized Field visits for the students of third year and final year
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<p>EXPERT LECTURE DELIVERED</p> <p>SEMINARS AND WORKSHOPS ATTENDED</p>	<p>with respect to various subjects such as Meteorology Department (AAU), Water and Wastewater Treatment Plant (VMC), National Railway Academy, Vadodara, Sardar Sarovar Dam, Sewage Treatment Plant, Pirana, Ahmedabad, Sardar Sarovar Dam, Wanakbori Weir</p> <p>27. Member of Equipment Purchase Committee for Environmental Laboratory</p> <p>28. MBIT – Head of department – administrative work</p> <p>29. BVM – department library coordinator</p> <p>1. Title – Advance Technologies in Wastewater Treatment, ATAL FDP on “Green Technology – Innovations and Challenges” at ADIT, Date: 21st Dec 2022.</p> <p>2. Title – Wastewater Management, at Government College Rajpipla, on 11th March 2022</p> <p>3. Title – Groundwater Hydrology, at Government Polytechnique Chottaudaipur, on 15th March 2022</p> <p>4. Title – Advantages, limitations and barriers of Nanotechnology, Two days workshop on application of nanotechnology in water and wastewater treatment organized by Parul university (DST sponsored), on 29th Oct 2020</p> <p>5. Title – Application and scope of nanotechnology in water treatment, Two days workshop on application of nanotechnology in water and wastewater treatment organized by Parul university (DST sponsored), on 30th Oct 2020</p> <p>1. Completed 3 NPTEL courses (FDP) (2nos 12 weeks and 1nos 8 week)</p> <p>2. Attended more the 5nos. of 1 week FDPs</p> <p>3. Attended 3nos of 3 days workshops</p> <p>4. Attended more than 10nos of 1 day workshop/seminars</p> <p>5. Attended more than 20nos of webinars / seminars</p>
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