

# CURRICULUM VITAE

## PERSONAL DETAILS:

Name: Prof. Mital J. Dholawala

Designation: Assistant Professor, Civil Engineering Department.

C. K. Pithawala College of Engineering & Technology, Surat, Gujarat State, India.

GTU Affiliation College code: 009

GTU staff code: 5727

AICTE faculty id: 1-6666611

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## Photo:



## AREA OF RESEARCH INTEREST

- Emotional Intelligence, Building Information Modeling (BIM), Advanced Water & wastewater treatment, Water conservation & management, Sustainable development & Planning, Artificial intelligence based modeling, Smart city Planning, Advanced Construction Technology & Equipment, Automation in Construction industry, Application of fuzzy logic in environmental engineering.

## **ACADEMIC DETAILS:**

- Doctorate of Philosophy (civil), Pursuing: from S.V. National Institute of Technology, Surat on the topic of “Prediction of biogas production in Upflow Anaerobic Sludge Blanket (UASB) Reactor treating distillery wastewater using fuzzy approach”
- Masters of Technology in Civil Engineering with specialization in Environmental Engineering, Distinction (Gold medalist) from S.V. National Institute of Technology, Surat in September 2008.
- Bachelors of Engineering (Civil): Distinction, from Sardar Vallabhbhai Institute of Technology, Vasad, Gujarat University, Ahmedabad, 2006.
- Higher secondary school certificate: Firstclass, Gujarat Secondary Education Board, Gandhinagar, 2002.
- Secondary school certificate: 90.14%, Gujarat Secondary Education Board, Gandhinagar, 2000.

## **TEACHING EXPERIENCE: 12 Years**

- Assistant professor (VI<sup>th</sup> pay scale), Since Dec-2008 at C.K.P.C.E.T, Surat.
- Adhoc lecturer, August-2008 to Dec-2008 at C.K.P.C.E.T, Surat.

## **BOOK PUBLICATION:**

- Published book entitled “Irrigation Engineering” in Charotar publication, ISBN 978-93-85039--03-4., 2014-15.

## **AWARDS/ ACHIEVEMENTS:**

- Received Silver Medal in NPTEL online certification course in Design Thinking- A Primer, NPTEL-AICTE, 2019

- Received Gold medal for the best performance in M. Tech (Environment Engg.) by SVNIT, Surat, 2009.
- Received Merit medal for the best performance in M. Tech (Environment Engg.) by The Institution of Engineers (India), Surat, 2009
- Secured 2nd Rank in Poster presentation competition organized by SVIT, Vasad on World water day on 22th March, 2006.

## **RESEARCH PAPER PUBLICATION:**

### **Paper Presented /Published in National /International Conferences**

- Dholawala M.J., “Ground water pollution due to Arsenic”, National Conference, SUEIMS, SVNIT, Surat, Feb-2008.
- Dholawala M.J. “Life cycle assessment of dyeing and printing by CML method”, National conference, PIET, Vadodara, 2009.
- Chauhan B.P. , Dholawala M.J., “ Proposal of flyover to mitigate traffic congestion”, conference, “Sustainable Urban Transportation planning Issues and Management Strategies, SUTRIMS II, SVNIT, Surat, 8-9 July 2011.
- Moradiya Ridham, Dholawala Mital, Sponge neighbourhood in indian context: strategic planning for storm water management and water conservation, GTU ICON-2019.

### **Paper published in International journal**

- Dholawala, M.J., Christian, R.A. (2020), A Unique Variable Selection Approach in Fuzzy Modeling to Predict Biogas Production in Upflow Anaerobic Sludge Blanket Reactor (UASBR) Treating Distillery Wastewater, Arabian Journal for Science and Engineering 45, 7511–7527. (Springer). <https://doi.org/10.1007/s13369-020-04582-8>
- Dholawala, M.J., Christian, R.A. (2020), Prediction of biogas production in upflow anaerobic sludge blanket reactor based on fuzzy rules, International Journal of Sustainable Development and Planning, Vol. 15, No. 5, 721-733. <https://doi.org/10.18280/ijstdp.150514>

### **LIST OF STTP/SEMINAR/WORK-SHOP/FDP ORGANIZED:**

- Department Coordinator at CED, CKPCET, Surat for technical festival Inspire, 2013.
- Department Coordinator at CED, CKPCET, Surat for GTU Zonal level technical festival organised by CKPCET, Surat, 2017.
- Department Coordinator at CED, CKPCET, Surat for technical festival Inspire, 2018.
- A workshop on “Application of AutoCAD software in 2D & 3D Building Drawing” on 20/09/2019 organized at civil engineering department, CKPCET, Surat.
- An E-Workshop on “Hands on session on application of AutoCAD in Building Planning” on 29<sup>th</sup> October, 2020 during 2.00 pm to 4.00 pm, Expert: Mr. Pranav H. Desai, Lecturer, CKPCET, Surat. ( Programme Coordinator – Prof. Mital J. Dholawala)
- A Virtual Learning session on “Application of GIS in town planning” on 2<sup>nd</sup> November, 2020 during 10.30 am to 11.45 am, Speaker: Dr. Reena D. Popawala, HOD & Associate professor, CKPCET, Surat. ( Programme Coordinator – Prof. Mital J. Dholawala)

### **LIST OF STTP/SEMINAR/WORK-SHOP/FDP ATTENDED:**

- Attended one day seminar organized by the Civil Engineering Department on 22<sup>nd</sup> March, 2006.
- Attended a one - Day seminar on “Carbon Credit: Trading and its prospects” dated on 29<sup>th</sup> March, 2008.
- Attended National Conference on “Sustainable Urban Environment: Issues & Management strategies during 27-29 February, 2008.
- Attended STTP on “Nanotechnology: A sustainable Alternative to Environment” held at the Chemical Engineering Department, SVNIT, Surat. 19<sup>th</sup> -23<sup>th</sup> January, 2009.
- Attended seminar on “Institutional management & Industry Institute Interaction” on 1<sup>st</sup> August, 2009.
- Participated in the Faculty Development Programme on “Advanced Research Techniques in Urban Planning & Management” during 13<sup>th</sup> July 2009- 17<sup>th</sup> July 2009. At SVNIT, Surat.
- Attended One Day state level workshop on “Environmental Issues and Challenges in perspective of urban development” held on 23<sup>rd</sup> December, 2010 at Vadodara Institute of Engineering, Vadodara.

- Attended AICTE sponsored Staff development programme on “Geospatial Technological and applications” during 11-15 January, 2010 at SVNIT, Surat.
- Attended National conference on “Sustainable Urban & Transportation Planning: Issues & management strategies” held on 8<sup>th</sup>-9<sup>th</sup> July, 2011 organized by SVNIT, Surat.
- Attended Two Day National Workshop on “Utilization of Fly Ash” on June 10-11, 2011 at SVNIT, Surat.
- Attended one day Seminar on “Public Transport in Surat: Status & Challenges” organized by Institute of Urban Transport on 1<sup>st</sup> August 2015 at SVNIT, Surat.
- TEQIP-II sponsored one week STTP “Building Development: Challenges & Way Forward” during 19<sup>th</sup> - 23<sup>rd</sup> December, 2016.
- Attended STTP on “Geospatial Technologies for urban planning” held during February 11 to March 15, 2016 at Civil Engineering department, CKPCET, Surat under Indian Institute of Remote Sensing.
- TEQIP-II sponsored one week STTP “Advanced Research techniques” during 06<sup>th</sup> - 17<sup>th</sup> June, 2016.
- Attended workshop on “Bhuvan Panchayat portal and mobile application for Asset mapping” on 27<sup>th</sup> July, 2016 at Civil engineering Department, CKPCET, Surat.
- Attended NPTEL- AICTE FDP on Design Thinking- A primer for 4 weeks, July-Aug 2019.
- Attended STTP on “Research Methodology and soft computing techniques for civil Engineering” held during 2<sup>nd</sup>-7<sup>th</sup> December, 2019 at Civil Engineering department, CKPCET, Surat.
- Attended one week FDP on Outcome based Education from 10<sup>th</sup> September, 2020 to 16 September, 2020 organized by the Civil Engineering Department, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.

### **PROFESSIONAL MEMBER OF THE SOCIETY:**

- Member of Society of Indoor environment

## **ACADEMIC ASSIGNMENT WITH OTHER INSTITUTIONS:**

- Delivered on the topic of “Stress management in the journey of research by practising meditation” at STTP on Research methodology and soft computing techniques for civil engineering (CKPCET) on 07/12/2019 at CKPCET, Surat.

## **ADMINISTRATIVE WORK:**

- Working as a Member for NBA committee Since 11<sup>th</sup> July 2018
- Working as a Member of the Core admission committee since Nov 2020.
- Working as a NIRF coordinator Since 2015.
- Worked as a fine arts committee member from 2012 to 2015.
- Worked as a Member of the admission committee from June to Oct 2020.

## **LIST OF B.E PROJECTS**

- Design of different types of staircases (2008-09)
- Utilisation of waste plastic in bituminous mixes for flexible pavement in road construction (2010-11)
- Proposal of flyover to mitigate traffic congestion (2011-12)
- Evaluating Overall efficiency of sewage treatment plant by fuzzy approach (2012-13)
- Desalination process selection using a multi-criteria decision making approach. (2013-14)
- Comparative study of sewage treatment plants of Major cities of gujarat” (2014-15)
- BOD prediction for municipal wastewater using fuzzy rule based model (2015-16)
- Feasibility study of metro for Surat city (2016-17)
- Vishwakarma Yojana: Phase-IV An Approach towards Rurbanisation for Sevni Village, Surat District, Gujarat, (2016-17).
- Vishwakarma Yojna : An approach towards rurbanisation gothangam – village (2017-18)
- Study of effectiveness and economic feasibility of self compacting concrete (2017-18)
- Sponge neighborhood in Indian context: strategic planning for storm water management and water conservation (2018-19)
- Vishwakarma Yojna VII: An approach towards rurbanisation for JHAB Village (2019-20)

- Urban green space planning in the compact city: a case study of surat (2019-20)

## **WEBINAR ATTENDED:**

- Entitled “Total Station - Basic Level” held on 04th May 2020, Organized by Civil Engineering Department Dr. S. & S. S. Ghandhy Government Engineering College, Surat jointly with TGIS Ahmedabad under Students’ Chapter of Institution of Engineers (IEI), India.
- Entitled “Nanotechnology for water & wastewater treatment” held on 2<sup>nd</sup> June 2020, Organized by the Civil Engineering Department, CKPCET, Surat. Expert speaker: Dr. Komal Mehta.
- Entitled “Opportunities for study & work in Australia & Newzealand for civil engineering graduates” held on 3<sup>rd</sup> June 2020, Organized by the Civil Engineering Department, CKPCET, Surat. Expert speakers: Mr. Akash Chauhan & Mr. Smit Halvawala
- Entitled “Design Thinking for Entrepreneurs” held on 13<sup>th</sup> June 2020, Organized by i-Hub, Gujarat. Expert speaker: Dr. Jyotika Pruthi.
- Entitled “Government's start-to-scale programs for innovators and entrepreneurs” held on 11<sup>th</sup> June 2020, Organized by i-Hub, Gujarat. Expert speaker : Ms. Poyni Bhatt, CEO, SINE IITB.
- Entitled “Opportunities for startups in these challenging times” held on 7<sup>th</sup> June 2020, Organized by i-Hub, Gujarat.
- Entitled “Public transport operations post COVID” held on 7<sup>th</sup> June 2020, Organized by the Civil Engineering Department, CKPCET, Surat. Expert speaker : Mr. Mustafa Sonasath.
- Entitled “Understanding Cement reports” held on 29<sup>th</sup> July 2020, Organized by the Civil Engineering Department, CKPCET, Surat. Expert speaker : Mr. Pavan Y Shethi, JK Cement.

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