

Name of Faculty:	Professor (Dr.) Komal Mehta
Designation :	Professor & Deputy Director Krishna Center of Innovation & Research, Drs. Kirshna and Pallavi Patel Global University, KPGU, Vadodara, Ph.D Supervisor,KPGU, HOD Civil , Krishna School of Emerging Technology & Applied Research, KSET, Drs. Kirshna and Pallavi Patel Global University, KPGU, Vadodara , Director Innovation, Babaria Institute of Technology, HOD Civil, Babaria Institute of Technology, Ph.D Supervisor , Civil Engineering , Gujarat Technological university
E mail id. :	komalshahmehta@gmail.com
Contact number:	9870090661
Total experience teaching: industry:	18 years 11 months
Professional summary:	<ul style="list-style-type: none"> Working as a Professor & Deputy Director Krishna Center of Innovation & Research, Drs. Kirshna and Pallavi Patel Global University, KPGU, Vadodara, HOD Civil , Krishna School of Emerging Technology & Applied Research, KSET, Drs. Kirshna and Pallavi Patel Global University, KPGU, Vadodara , Director Innovation, Babaria Institute of Technology, HOD Civil, Babaria Institute of Technology <p>17+ years of experience in the field of academics, research and leadership</p> <ul style="list-style-type: none"> Demonstrated competitive technical skills as well as contribution to elevate organization as well as staff by working on new ideas, concepts and opportunities Extensive experience to manage stakeholder expectations Significant involvement in research with contribution of <ul style="list-style-type: none"> Six patents (One international and five Indian) five books (Four international and one

	<p>national)</p> <ul style="list-style-type: none"> • five book chapters • more than thirty international and national research papers • Various awards • various grants and sponsorship • Editor and Reviewer in various international research journals. • As part of Board of studies, I was instrumental in review and deciding university curriculum • Conducting national seminars right from planning to execution • DPC member of Ph.D. candidate • Proven track record as an exceptional academician, researcher and administrator with various recognitions <ul style="list-style-type: none"> • Received InSC Research Excellence award 2020 for book chapter “Low Pressure Ammonia Production” published in book sustainable Ammonia Production, Green Technology, Springer , Science Direct • For contribution in Teaching, Research and publication, awarded Dr. APJ Abdul Kalam Life Time Achievement National Award on 27th Nov,2019 by International Institute for social and economic reforms. • For contribution in higher education awarded as best teacher in higher education category by Shri Om Prakash Kohliji, Governor of Gujarat on 6th April, 2019 in Akhil Bhartiya Kahadayata Parishad at Sir Sayajinagar Grugh, Vadodara. • Best teacher award by ITM Universe management in2019 • Best Paper award for paper, “ Women in science & Technology: creating sustainable career Women- A powerful Engine for social and economic growth” in International conference ISBN: 978-93-84339-11-1 January 28- 30,2016 (Best paper
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	<p>award in Theme-11)</p> <ul style="list-style-type: none"> • Best teacher award by ITM Universe management in 2016 • Best teacher award by ITM Universe management in 2013 • M.S.Patel fellowship in M.E.ENVIRONENT, Civil Engineering Department, Faculty of Tech. & Engg, The M.S.University,Vadodara. • First paper prize for competition on, “ Save our sky, Be ozone friendly” on 9th international Ozone day on Preservation of ozone layer jointly organized by MSU, Institution of Engineers, Indian Environmental Association , sponsored by GUJCOST.
Current activities:	<ul style="list-style-type: none"> • Professor & Deputy Director Krishna Center of Innovation & Research, Drs. Kirshna and Pallavi Patel Global University, KPGU, Vadodara, HOD Civil , Krishna School of Emerging Technology & Applied Research, KSET, Drs. Kirshna and Pallavi Patel Global University, KPGU, Vadodara , Director Innovation, Babaria Institute of Technology, HOD Civil, Babaria Institute of Technology. • Designed policy document for Center of Excellence for innovation & Research • Managing various grants and portals like SSIP, IIC. 4 , NI, Electronics & ITeS Hub etc. • Chairman Board of Studies • Instrumental in University, which drives objective based designing of curriculum (designed Degree and Diploma Civil Engineering syllabus and reviewed the same along with submission of requirements of resources) .Designed first year Degree & Diploma curriculum • Delivering expert sessions in industry • Supporting students for off campus placement and issuing LOR for higher studies in foreign countries

	<ul style="list-style-type: none"> • Administration and academic management of Civil Engineering Department • Execution of various technical events • Teaching various subjects UG , PG & PhD level with practical performance, demonstration , reasoning and multimedia presentation to impart better and practical understanding , reduce knowledge gap between practical and theoretical approaches • Frequently impart motivational and inspirational talks with intention to create liking towards the subject.
Specialization areas:	<p>Research interest</p> <ul style="list-style-type: none"> • Nano Technology for water and waste water treatment • Water and waste water treatments • Reuse of wastewater • Design of Reverse osmosis • Solid waste management • Analysis of domestic sewage treatment plant • Analysis of common effluent treatment plant
Subjects taught:	<p>PhD Level:</p> <ul style="list-style-type: none"> • Research Methodology – Research Design • Research & Publication Ethics - Publication Ethics: Definition, Introduction, Importance <p>PG Level :</p> <ul style="list-style-type: none"> • Waste to Energy • Quantitative Research management • Environmental management • Sustainable materials • Solid Waste Management • Water Recycling Management • Biological treatment processes • Quantity Research • Environmental Management

	<p>UG Level:</p> <ul style="list-style-type: none"> • Engineering Mechanics • Elements of Civil Engineering • Engineering Graphics • Elements of Civil and Mechanical Engineering • Material Science • Environmental Studies • Mechanics of Solids • Surveying • Advanced surveying • Environmental Engineering • water and waste water Engineering • Fundamentals of Civil Engineering • Advanced water supply and Engineering • Air Pollution • Construction technology • Remote Sensing & GIS • Building & Town Planning
Qualification:	<ul style="list-style-type: none"> • Doctorate of Philosophy (Civil): The Maharaja Sayajirao University of Baroda, Vadodara. Registered in 2010 (New rules of UGC) and awarded the degree in 2013 • Masters of Engineering (Civil) in Environmental Engineering: First in ME Environmental Engineering. The Maharaja Sayajirao University of Baroda, Vadodara. • Bachelors of Engineering (Civil)): 69 % Distinction, 1st in BE (Env) , The Maharaja Sayajirao University of Baroda, Vadodara.
Skills:	<ul style="list-style-type: none"> • Leadership : Proven record of successfully mentoring/leading teams working in different areas • Engineering Design Soft: Hydranautics design software • Packages: MS Office • Technical: Expertise in areas of

	<p>water and wastewater treatment and reuse, water quality and conservation as well as mathematical modelling</p>
Achievements:	<ul style="list-style-type: none"> • Working as a DPC member for one candidate in GTU. • Delivered Expert Session on , “ Rain water Harvesting ” in seminar for awareness on water harvesting organized by RSS and ITM Universe, Vadodara on 31st August,2019 at Deep Auditorium, M.S.University ,Vadodara. • Delivered expert talk on" Application of Nano Technology in Waste Water treatment” on 23rd Jan, 2019 in National level conference. • Delivered expert talk on” Nano Technology and risk associated in Environmental Engineering” in National level conference on 24th Jan in2018 • Delivered expert talk on” Nano Technology in water treatment” in National level conference in 2016 on 11thMarch • Expert session in GTU ALVCOM series on 17th Oct, 2015 for principles of building planning in Civil Engineering at Bisec center, Gandhinagar • Delivered an expert seminar for, “Awareness for Degree Engineering admissions • Motivational session for higher secondary teachers in Dec, 2018 • How to improve Result of HSC to higher secondary teachers in Feb,2019 • Various carrier counseling workshops for school children and parents • First class in six sigma , 6 week on line course in2016 • Three times awarded as best teacher by ITM Universe Management till date.

	<ul style="list-style-type: none"> • Three times invited as a chief guest / guest of honor by various schools like Podar International School, Vadodara, GSFC etc. in annual function.
Patent:	<p>Patent (International)</p> <ul style="list-style-type: none"> • Approved Australian patent, “An IOT and Deep Learning Enabled Device for Monitoring Social Distancing” <p>Patent (National)</p> <ul style="list-style-type: none"> • Patent filed for CETP waste water reuse. • Patent filed for “Pyrolysis oil from Plastic waste” • Patent filed for “Street Light that glows by detecting vehicle movement” • Patent filed for “Production of Green electricity” • Patent filed for “Analytical model for Reuse of Domestic Wastewater”
Book Publication:	<p>International Book Publication</p> <ul style="list-style-type: none"> • Application of Nano Technology in Waste Water Treatment' Springer, Lecture Notes in Civil Engineering, Vol. 178, Sreevalsa Kolathayar et al. (Eds): Climate Change and Water Security, 978-981-16-5500-5, 515428_1_En, (Chapter 33), Springer nature, science direct (Scopus indexed) • “ Nano materials” in “Nano technology: Device Design and Applications” CRC press, Taylor & Francis (Scopus indexed) • “ Nano technology in energy & env. in “Nano technology: Device Design and Applications” CRC press, Taylor & Francis (Scopus indexed) • Book Chapter “Low Pressure Ammonia

	<p>Production” published in 2020 in Science Direct with Dr. Rama Rao Brunei & Dr. Mubark, Malaysia (Scopus Indexed)</p> <ul style="list-style-type: none"> • Book “Reverse Osmosis in Wastewater Reuse” published in June 2020 with ISBN: 978-613-8-93254-3 by Scholar Press, Germany, Europe • Book “Reuse of Domestic Wastewater” is published in August 2019 with ISBN: 978-613-8-90969-9 by Scholar Press, Germany, Europe • Book “Nanotechnology in Water and Wastewater Treatment” published in Dec, 2019 with ISBN: 978-613-8- 84049-7 by Lambert publication, Omniscipum publishing, Latvia <p>National Book Publication</p> <ul style="list-style-type: none"> • Book , “ Mechanics of Solids” is published in July 2009 by Mahajan Publication, Gujarat, India
Research project /publications:	<p>International Journal</p> <ul style="list-style-type: none"> • “Advancement in treatment of wastewater with nano technology” in Materials today: Proceedings, elsevier, science direct, https://doi.org/10.1016/j.matpr.2021.07.253 August, 2021 (Scopus Indexed) • “End to end secure e-voting using blockchain & quantum key distribution” in Materials today: Proceedings, elsevier, science direct, https://doi.org/10.1016/j.matpr.2021.07.254, August, 2021 (Scopus Indexed) • “ Water treatment with nano technology materials” in ” in The journal of oriental research Madras, ISSN : 0022-3301 , page 81-89, July 2021, page 48-55 (UGC listed) • “ Mathematical modeling for CETP waste water reuse” in Design Engineering (Toronto), ISSN: 0011-9342, issue 7, page 2520-2530, 2021, (Scopus indexed)

	<ul style="list-style-type: none"> • “ Application of UV in Domestic waste water Reuse” in The journal of oriental research Madras, ISSN : 0022-3301 , page 81-89, JUNE 2021, (UGC listed) • "Development of Empirical Correlation for Thermal Fatigue Life Cycle Prediction" in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-3S, March, 2020. (Scopus Indexed Journal.) • " Learning Management System – Significance And Application In Civil Engineering in UGC approved International Journal of Advance Engineering and Research Development Volume 7, Issue 02, February - 2020, DOI:10.21090/ijaerd, ISSN:2348 - 4470, Scientific Journal of Impact Factor (SJIF): 5.71(UGC listed) • Risk associated with use of Nano materials in Journal of Emerging Technologies and Innovative Research (JETIR), June 2019, Volume 6, Issue 6,www.jetir.org (ISSN- 2349-5162) (UGC listed) • Save Water : Solution by Reuse published in international STM Journal 2018 (UGC listed) • Nano Materials in water purification, International Journal of Advance Engineering and Research Development, Conference of Nanotechnology & Applications In Civil Engineering-2018. Volume 5, Special Issue 03, Feb.-2018 (UGC listed) • Nano Technology in water treatment in International journal of Engineering Research and Management ISSN:2349-2058 impact factor 2.37, July, 2016 (UGC listed) • “Reverse Osmosis Design With Hydranautics Design Software For Industrial Waste Water Reuse” (International) Journal Of
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	<p>Environmental Research And Development , Volume , ISSN : PARIS ISSN 0973-6921 Impact factor 4.301, March 2015, volume 9, page 421 to430 (UGC listed)</p> <ul style="list-style-type: none"> • “Design of Reverse Osmosis system with reuse of waste water for common effluent treatment plant”, International Journal Of Environmental Research And Development, e-ISSN: 2395 -0056 p-ISSN: 2395-0072, impact factor 7.34, volume 2, page no 983 to 991,2015 • “Status of Solid waste in the City of Vadodara” in International Journal of Darshan Institute of Engineering Research & Emerging Technologies volume 3, No 1, 2014 • “Reuse of domestic waste water for industrial purpose” International Journal Of Environmental Research And Development , Volume , ISSN : PARIS ISSN 0973- 6921 Impact factor 1.28, March 2013 • “Sustainable approach for live hood in action research for waste water reuse” International Journal Of Applied Science & Technology, volume 3, ISSN:2231- 3842 published in Nov,2012. • “Water status and need of reuse” – a review for India International journal of computer applications in Engineering technology & sciences (IJ-CA-ETS) in volume 3, Issue 2, ISSN:-0974-3596 April to September,2011 <p>National Journal:</p> <ul style="list-style-type: none"> • A case study, ITM Universe Campus – Green Campus, Environmental pollution control journal, New Delhi, ISSN: 0972-1541, Nov 2013 • Treatment of waste water to meet disposal standards & to explore the possibilities for
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	<p>reuse of waste water of common effluent treatment plant, water special volume, , Environmental pollution control journal, New Delhi, ISSN: 0972-1541, July 2012</p> <ul style="list-style-type: none"> • Reuse of waste water- mandatory option for future of water Environmental pollution control board, New Delhi, 2011. ISSN: 0972-1541, June2011 • Water reuse from municipal sewage treatment plant-a step towards water scarcity, Environ Pollution Control Journal, New Delhi, March-April2010 • Reuse of municipal waste water for industrial purpose with ultra violet technique, The Institute Of Engineer's Journal, April 2007 • Bio Medical Waste management practices : A Case study in Environmental Pollution control journal, Vol 9, No 4, May – June 2006 • Bio medical waste management, handling and disposal. EnvironPollutionControl Journal, New Delhi, April2006 • “Management of Bio-Medical waste-A case study”. Environ Pollution Control Journal, New Delhi. Vol.9, Nov-Dec,,05 (“Solid Waste Management Special”). • Analysis of a common treatment facility, ”Performance, Evaluation and treat ability study on common effluent treatment plant”(CETP) Environ Pollution Control Journal, New Delhi,Vol.8,May-June,2005 • A case study , “ Bio biodegradability study using different seeding materials in ETP of polymer manufacturing company” vol 10, No 4, May – June 2007, Environmental pollution control journal, New Delhi • Recycling Technology,” Feasibility study for industrial reuse of treated effluent from sewage treatment plant” Environ Pollution
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Control Journal, New Delhi Vol.7, March-April, 2004.

National Conference:

- **“Environment Safety and Health Management in a manufacturing industry.”**
National conference on Civil Engineering Trends, Issues & challenges – Civil Engg. DEPT. The M.S.U (Presented and published in proceeding)
- **“COD fractionation in sewage treatment plant”** - National conference on Civil Engineering Trends, Issues & challenges – Civil Engg. DEPT. The M.S.U (Presented and published in proceeding)

International Conference:

- Application Of Nano Technology In Waste Water Treatment' presented in international conference, “Global Virtual Conference on Disaster Risk Reduction - Civil Engineering” for a Disaster Resilient Society, March 2021 organized by ADRRN, IHRR, and NITK in association with Springer, Science Direct
- **Women- A powerful Engine for social and economic growth Women in science & Technology: creating sustainable career**
International conference ISBN: 978-93- 84339-11-1 January 28-30, 2016, international conference held at BVM, Vidyanagar in affiliation with GTU (Best paper award in Theme-11)
- **Save water – solution by reuse of waste water**
presented and published in proceedings of second international conference, “ Women in science & Technology: creating sustainable career “ June 28-30 ,2018, international conference held at

	BVM, Vidyanagar in affiliation with GTU
Achievements/honors:	<ul style="list-style-type: none"> • Working as a DPC member for one candidate in GTU. • Delivered Expert Session on , “ Rain water Harvesting ” in seminar for awareness on water harvesting organized by RSS and ITM Universe, Vadodara on 31st August,2019 at Deep Auditorium, M.S.University ,Vadodara. • Delivered expert talk on" Application of Nano Technology in Waste Water treatment” on 23rd Jan, 2019 in National level conference. • Delivered expert talk on” Nano Technology and risk associated in Environmental Engineering” in National level conference on 24th Jan in2018 • Delivered expert talk on” Nano Technology in water treatment” in National level conference in 2016 on 11thMarch • Expert session in GTU ALVCOM series on 17th Oct, 2015 for principles of building planning in Civil Engineering at Bisec center, Gandhinagar • Delivered an expert seminar for, “Awareness for Degree Engineering admissions • Motivational session for higher secondary teachers in Dec, 2018 • How to improve Result of HSC to higher secondary teachers in Feb,2019 • Various carrier counseling workshops for school children and parents • First class in six sigma , 6 week on line course in2016 • Three times awarded as best teacher by ITM Universe Management till date. • Three times invited as a chief gust / guest of honor by various schools like Podar International School, Vadodara, GSFC etc. in annual function.

<p>Grants received:</p>	<ul style="list-style-type: none"> • Research grant from Gujarat Science and Technology in January 2018 for 5th National Conference on “Application of Nano Technology in Civil Engineering” from GUJCOST • Research grant from Gujarat Science and Technology in April 2015 for 2nd National Seminar on “Nano Technology: New Materials and Applications” • Research grant from Gujarat Science and Technology in February 2012 for workshop “Innovations in eco-friendly construction” • Students of Civil Engineering Department received a grant of total 4.5 lacs (11000 per semester per student, till date more than 30 students received the same). Students of Civil study best village with all facilities and design for development of rural area an submit to government . This project works with aim of developing village with a rural soul but with ll urban amenities that a city may have. <p>Sponsorship received</p> <ul style="list-style-type: none"> • Rs. 40,000 from Zydex for two days national level seminar on , “ Application of Nano Technology in Civil Engineering” in 209 • Rs. 20,000 from Cube Construction for National level technical event, Illuminati 2012
<p>Seminars/workshops/conference arranged</p>	<p>Seminars/conferences/workshops arranged</p> <ul style="list-style-type: none"> • The event was organized to introduce the Policy to SSIP Grantees of the state to celebrate the Start-up week on 17th January 2022 containing the journey of SSIP 1.0, brief of SIP 2.0 and planning to execute SSIP 2.0. • Online startup recognition and appreciation event” around the theme , “ Runway to Vibrant Gujarat Startup summit 2022” and “ Azadi ka Amrit Mahotsav”.

	<ul style="list-style-type: none"> • Alumni talk and start up quiz for celebration of “Azadi ka Amrit Mahotsav” on 23rd September, 2021 • Webinar on, “ Building Information Modelling (BIM)” by Keval Shah, GM Geo design and research on 26th March,2021 • Online event , “ Valuing Water” on 22nd March, 2021, World Water day with delivery of expert session on, “ Water capture technology by Nano Enabled photo thermal desiccants” • International workshop on “Advances In Civil Engineering” organized on 2019 • FDP on “Advances In Integrated Geo engineering Researches” organized on 2019 • 6th National Conference on Application of Nano Technology in Civil Engineering organized in January 2019 at ITM Universe, Vadodara • 5th National conference on Application of Nano Technology in Civil Engineering organized on January 2018 at ITM Universe, Vadodara • 4th National conference on Application of Nano Technology in Civil Engineering organized on January 2017 at ITM Universe, Vadodara • 3rd National conference for two days on Nano Technology: Carbon Ladder to sky in 2016 □ 2nd National conference for two days on Nano Technology in 2015 • Two day national Seminar on “Nanotechnology and Sustainability in Construction” on February 2014 □ One day workshop on “Check the Pulse of the Structure” on July 2013 • One day workshop on “Innovations in Eco-friendly Construction” on February 2012
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	<ul style="list-style-type: none"> • “Civil engineering trends, issues and challenges” on March 2006 sponsored by UGC, New Delhi at Civil Engineering Department, Faculty of Technology and Engineering, The M.S.University of Baroda •
Editor/ Reviewer	<p>Reviewer in International Book publication</p> <ul style="list-style-type: none"> • Reviewer in Omni Scriptum Publishing , international Book Market ServiceLtd, Lativa, Germany, Europe <p>Reviewer/ Editor</p> <ul style="list-style-type: none"> • Reviewer for international conference, “Global Virtual Conference on Disaster Risk Reduction - Civil Engineering” for a Disaster Resilient Society, March 2021 organized by ADRRN, IHRR, and NITK in association with Springer, Science Direct • Reviewer in Advances in Science, Technology & Engineering systems journal (ASTESJ) ISSN: 2415-6698 (Reviewer code: AJR09340) • Editor in International journal of Advanced study & Research work • Reviewer in InSc International Journal of Civil Engineering • Reviewer in book “Soft Computing in Solid waste and wastewater management”, Elsevier, science direct • Editorial board member in journal of environmental chemistry and toxicology • Editor in international Journal of Civil Engineering and

	<p>Technology</p> <ul style="list-style-type: none"> • Reviewer of multi-disciplinary international conference GTUICON 2019 in Engineering Theme: Scientific Revolution through Engineering & Technical Research organized by GTU in March 2019 • Reviewer of 1st National Conference on Emerging Research and Innovations in Civil Engineering held on February, 2019 at Dr. S & S.S.Gandhy Government Engineering College, Surat. • Reviewer for national level journal (Env. Health journal) • International Journal of Engineering Research & Technology (IJERT) • International Journal of innovative Research in Engineering & Multidisciplinary Physical Sciences (IJRMPS), ISSN : 2349-7370, member ID: 798 • Material Science Research, India, ISSN : 0973-3469 , Online ISSN:2394-0565 • Journal of Emerging Technology & Innovative Research, ISSN :2349-5162, Member ID: 113742 • Reviewer in Journal of emerging Technology and Innovative Research (An International Peer reviewed journal) ISSN: 2349 – 5162, member ID: 113742, since September 2018
Short term training program and Faculty Development program attended	<ul style="list-style-type: none"> • AICTE- ISTE sponsored refresher program on ,” Energy Efficient Buildings” from 1st Dec,21 to 7th Dec,21 organized by G.H.Patel college of Engineering ,BVM, Vidyanagar, Gujarat • Five days FDP on , “ Recent Advancements in Civil Engineering” organised by Sahrdaya College of Engineering & Technology, Kodakara from 28th Dec,2020 to 1st Jan,2021

- AICTE training and learning ATAL academy online FDP on, “ **Green Technology & Sustainability Engineering**” organised by institute of Engineering & Technology , Lucknow from 23rd to 28th Nov,2020.
- **TEQIP** – 3 five days short term course on, “ **Machine learning and its application to civil engineering, MLACE 2020**” organised by National institute of technology, Srinagar from 2nd to 6th Nov,2020
- Five day short term training program at the Maharaja Sayajirao University , Baroda at Vadodara for , “**Applications of MATLAB in Engineering**” from 7th -11th Jan,2015
- Five days National conference on, “ **Domestic waste water reuse**”, Centre for science & Environment, Delhi, July2010.
- Short term training course on “ **Environment Impact Analysis**” from 8th Dec, 2008 to 12th Dec,2008 at Parul Institute of technology
- Short term training workshop on, “**Fuzzy Set Theory and Fuzzy logic application in Civil and Environmental Engineering** “ organized by Civil Engineering Department, Sardar Vallbhbhai National Institute of Technology, Surat during January 8-13,2007.
- Short term course on “**Soft Computing in Civil Engineering**” conducted by IIT, Bombay during Jan02-06,2006.

NTPEL online FDP course

- Successfully completed **waste water treatment and recycling course** (12 weeks) July – Oct, 2019 with 82 % score In Elite + Silver category and also received AICTE **Faculty Development Program certificate** for same.

Expert session Delivered:	<ul style="list-style-type: none"> • Presentation of SSIP 2.0” in event organised to introduce the Policy to SSIP Grantees of the state to celebrate the Start-up week on 17th January 2022. • Expert session as an Expert of Asia Region on Domestic waste water reuse on Nov,21 • Expert session on, “ Water capture technology by Nano Enabled photo thermal desiccants” in online event , “Valuing Water”, World Water day at ITM (SLS) Baroda University on 22nd March, 2021 • Expert session on “Possibilities of Reuse of CETP Wastewater after Treatment” at XWN at Xylem - ITC, Vadodara on December 2020 • Expert session on “Applications of Nano Technology for Water and Wastewater Treatment” at XWN at Xylem - ITC, Vadodara on October 2020 • Delivered expert talk on "Application of Nano Technology in Wastewater Treatment” on January 2019 in National level conference • Delivered expert talk on “Nano Technology and Risk Associated in Environmental Engineering” in National level conference on January 2018 • Delivered expert talk on “Nano Technology in Water Treatment” in National level conference on March 2016 • Expert session in GTU ALVCOM series on October 2015 for principles of building planning in

	<p>Civil Engineering at Bisec center, Gandhinagar</p> <p>Webinars Delivered as subject Expert:</p> <ul style="list-style-type: none"> • Carrier Guidance and counselling for class 10& 12 by ITM (SLS) Baroda University • Nano Technology in Water & Waste Water Treatment by Shantilal Shah Engineering College, Bhavnagar • Nano Technology for Water & Waste Water Treatment by C.K.Pithawala College of Engineering & Technology, Surat
Online mooc/ coursera courses	<p>Online MOOC Courses:</p> <ul style="list-style-type: none"> • DART.ENVS.01.X: Introduction to Environmental Science, 6 week on line course DART.ENVS.01 with 82 % in March,2015 • Fundamentals of Six Sigma: Quality Engineering & Management, 6 week on line course DART.ENVS with 66% in September2016 • Six Sigma White Belt by Aveta Business Institute • Business Analysis online crash course by Udemy <p><u>Research Cycle certificates, Elsevier by Mendeley</u></p> <ul style="list-style-type: none"> • Certificates of research cycle, Elsevier (Science Direct) by research academy handled by Mendeley, all levels achieved within module and certificate of excellence for each module). This includes: • Research Preparation: Funding, Research Data Management, Research collaborations. • Writing Research: Fundamentals of manuscript preparation, writing skills, technical writing, book writing • Publication process: Fundamentals of publishing, finding the right journal, ethics, open science,

	<p>publication in chemical science</p> <ul style="list-style-type: none"> • Navigating peer review: Fundamentals of peer review, becoming a peer review, going through peer review • Communication research: Social impact, ensuring visibility • <p>Coursera Courses:</p> <ul style="list-style-type: none"> • “Programming for everybody (Getting started with Python)” , 7 week course offered by Coursera (University of Michigan) . • AI for everyone, deep learning , 4 week course by Coursera • Inspiring leadership through Emotional Intelligence, 8 week course by coursera
Professional Affiliations	<ul style="list-style-type: none"> • Life time membership of Asia Society of Researchers (Membership Number: R219093215) • Life time membership of International Association of Engineers (No : 272070) • Institute of Engineers (Fellow membership lifetime) • Indian water works association (Fellow membership lifetime) • M.S.U.CIVIL Engineering Association (MSUCEEA), The M.S.University, Vadodara. • Engineers and architects associations, Vadodara. • Indian Environmental Association. • Professional Membership with Institute of Scholars. • Member for Institute of Engineering Research & Publication.

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