

GIDC DEGREE ENGINEERING COLLEGE

FACULTY PROFILE

	Name of Teaching Staff	Dr. Megha K. Tailor			Paste your photo here
	Designation	Assistant Professor			
	Department	Applied Sciences and Humanities Department			
	Date of Joining	17/10/2013			
	Qualifications with Class/Grade	UG	PG	PhD	
		Bachelor of Science (First Class)	Master of Science (Distinction)	Completed	
	Total Experience in Years	Teaching	Industry	Research	
		11 years & 6 months			
	Area Of Interest	Groundwater Porous Media, Finite Difference Method			
	Papers Published in Journals	National	-	International	3

	Detail Of Publication	<ol style="list-style-type: none"> 1. A research paper “An analytical solution of porous medium equation by similarity transformation” was published in International Research Journal of Engineering and Technology. 2. A research paper “Study of Imbibition Phenomenon in Homogeneous Porous Medium Using Finite Difference Method " was published in Journal of Applied Science and Computation (JASC). Volume – 5, Issue – 9, September – 2018, ISSN No – 1076-5131 3. A research paper “Instability Phenomenon Arising in Homogeneous Porous Media by Crank-Nicolson Finite Difference Method” was published in Journal of Emerging Technologies and Innovative Research. 			
	Papers Presented in Conferences	National	-	International	1
		<ol style="list-style-type: none"> 4. Attended International Conference “Numerical Solution Of Nonlinear Partial Differential Equation Arising In Multifluid Immiscible Flow By Finite Difference Method” Mehsana Urban Institute of Sciences, Ganpat University, Kherva, Dist: Mehsana. 			
	STTP/WORKSHOP/ CONFERENCE / SEMINAR Organized or Participated	<p><u>FDP:</u></p> <ul style="list-style-type: none"> • Attended ATAL FDP on "Cutting-edge multidisciplinary research in the field of fluids". • Attended ATAL FDP on "Computational Mathematics and Artificial Intelligence for Engineers". 			

STTP:

- Attended a one week STTP on “Recent trends of Mathematics in Science & Technology” at GDEC, Navsari.
- Attended one week short term training programme (STTP) on “Research Methodology programme (STTP) on “Research Methodology for Academia (RMA-2017) organized by NaranLala School of Industrial Management and Computer Science, Navsari & GIDC Degree Engineering College, Navsari.
- Attended STTP on “Designing of Mathematical Models in Different field of Engineering”, organized by Applied Sciences and Humanities department(ASH), GIDC Degree Engineering College(GDEC), Abrama Navsari.

Workshop:

- Attended a workshop on “An Application of Ordinary Differential Equation in Science and Engineering” organized at CGPIT (Maliba campus), Bardoli.
- Attended a workshop Mathematical model on transmitting behaviour of covid-19 Department of Mathematics and Statistics, Manipal university.
- Attended a workshop Fluid dynamics Department of Mathematics and Statistics, Manipal university.

	Projects Guided	
	Books Published / IPRs/ Patents	
	Professional Memberships	
	Consultancy Activities	
	Awards	
	Grants Fetched	
	Interaction with Professional Institutions	