

## **Dr. HITESHRI T. BHATT**

Associate Professor

Department of Civil Engineering

Faculty of Technology & Engg.,

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### **□ OBJECTIVE**

To work in a symbiotic environment which taps the best of energy, skill, talent, creativity and affords development of personality with special focus on research & development.

### **□ EDUCATION**

**Bachelor of Engineering** (M S University, Baroda) : 1996 - 2000

**Master of Engineering** (M S University, Baroda) : 2000 - 2002

**Ph D** (Indian Institute Technology, Bombay) : 2012 - 2017

### **□ EMPLOYMENT SUMMARY**

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<b>Position</b>	<b>Organization</b>
Lecturer (01/01/ 03 to 1/12/09)	Charotar Institute of Technology, Education Campus, Changa, Anand, Gujarat, India
Assistant Professor (01/01/10 to 1/12/11)	Dept. of Civil Engg., Faculty of Technology & Engg., Charotar University of Science And Technology, (CHARUSAT), Anand, Gujarat, India
Research Scholar (01/01/12 to 1/06/15)	Interdisciplinary Program in Climate Studies, Indian Institute of Technology Bombay, Powai, Mumbai, India
Assistant Professor (01/07/15 to 0/06/18)	Dept. of Civil Engg., Faculty of Technology & Engg., CHARUSAT, Anand, Gujarat, India
Associate Professor (01/07/18 to till date)	Dept. of Civil Engg., Faculty of Technology & Engg., CHARUSAT, Anand, Gujarat, India

## □ PROFESSIONAL EXPERIENCE

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### Key Academic Performance Areas

- Teaching –Learning –Evaluation
- Organization of Guest Lectures
- Organizing Industrial/Field visit/Tour
- Student Mentoring
- Training and Placement
- Organization of training programs for students and faculty members
- Organization and participation in subject associations, conferences, seminars, Workshop etc.
- Research Publications/Review Articles/Technical Notes
- Research /Consultancy/Industry Sponsored/Collaborative PG/PhD Projects
- Extension Activities, Community Services, Social Activities

### Key Research Performance Areas

- Numerical and statistical modeling of Indian Monsoon
- Experimental Real time weather forecasting
- Applications of Big Data Analytics, Machine learning, Artificial Intelligence in the field of Hydro-climatology

### Played instrumental role in signing MoU with

- L&T Power Training Institute (PTI), Vadodara
- Gujarat Institute of Disaster Management (GIDM), Gandhinagar
- Centre for Environment Education(CEE), Ahmedabad

### Sponsored Research Projects

No.	Project Title	Funding agency	Status	Total Funding
1	Evaluation of monsoonal urban heat island and its effect on local monsoon onset and heavy rainfall climatology over Indian summer monsoon	Department of Science and Technology, Government of India	Ongoing [2018-2021]	INR 16.7 Lakh
2	Improving Global Forecast System of Extreme Events with Regional Statistical Model: Application of Quantile based Probabilistic Forecasts	National Atmospheric Research Laboratory, Andhra Pradesh, ISRO	Submitted [Feb-2019]	INR 50 Lakh

3	Obtaining Experimental Real Time Precipitation Forecast with the Help of Weather Research and Forecasting Model	CHARUSAT	Submitted [July-2019]	INR 9.6 Lakh
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□ **Awards and Recognitions**

- **‘The best Opthomec - Student Award’** for presentation of the paper entitled “Potential of ERS Tandem Data for DEM Generation and Terrain Parameter Extraction” in the National Symposium on ‘Advances in Remote Sensing Technologies with Special Emphases on High resolution Imagery’ held on 11-13 Dec, 2001 at Space Application Centre, ISRO, Ahmedabad.
- **‘The Young Scientist Award’** for presentation of the paper entitled “Statistical downscaling for forecasting precipitation extremes over the urban region in Mumbai” at 6th Annual Conference of the International Society for Integrated Disaster Risk Management entitled “Disaster Risk Reduction: Challenges and Opportunities for Sustainable Growth” held on 28-30 Oct. 2015, New Delhi.
- **‘Early Career Research Award’**, Department of Science and Technology, Government of India, 2018.

□ **SOFTWARE SKILLS**

Operating System	Windows, Linux, Unix, CentOS
Programming Languages	Matlab, R, Shell Scripting, Python, SPSS
Tools/Technologies	Image processing and GIS with : ARC GIS, ERDAS, PCI, GRASS

□ **Personal Details**

**Date of Birth** : 5/April/1979  
**Passport Number** : R1641498  
**Passport Valid Up to** : 22/06/2027  
**Visa Available** : County : USA, Type : B1/B2, Expiration Date : 27/10/2023  
**Marital Status** : Married  
**Nationality** : Indian  
**Strength** : Fast Learner, hard working and dedicated  
**Interests** : Reading, Music and Traveling

[Hiteshri K. Shastri]