

# KHUSHBU PATEL

<b>DESIGNATION</b>	Assistant Professor in Mathematics
<b>RESEARCH INTEREST</b>	Bio-Mathematics, Numerical Analysis
<b>EXPERIENCE</b>	10 YEARS
<b>CONTACT INFORMATION</b>	Room No B 206, Admin Block, Government Engineering College, Near Sanskar Kendra, College Road, Valsad-396001 Mobile: 9824610709 E mail: kdpatel@gecv.ac.in



## APPOINTMENT:

Government Engineering College, Valsad  
Assistant Professor (GES CL II)

2011-Present

## EDUCATION :

M.Sc. in Mathematics May-2009  
VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT, GUJARAT

B.Sc. in Mathematics May-2007  
VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT, GUJARAT

Ph.d. in Mathematics Pursuing  
VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT, GUJARAT

## SKILLS AND KNOWLEDGE:

- MATLAB , LaTeX

## TRAINING / WORKSHOP / CONFERENCE ATTENDED :

- ➔ Workshop on "Fluid Dynamics",  
L.D.Engineering College, Ahmedabad 30/12/2013 to 03/01/2014
- ➔ "Induction Phase-I",  
NITTTR Extension center, Ahmedabad 23/06/2014 to 04/07/2014
- ➔ STTP on "Managerial Skills",  
NITTTR Extension center, Ahmedabad 01/06/2015 to 12/06/2015
- ➔ STTP on " Developing Entrepreneurship skills in students ",  
NITTTR Extension center, Ahmedabad 04/01/2016 to 08/01/2016

- ➔ "Induction Phase-II",  
NITTTR Extension center, Ahmedabad 30/12/2019 to 10/01/2020
- ➔ "Comprehensive Online Intellectual Property Rights"  
Gujarat Student Start-up and Innovation Hub (i-Hub) 06/07/2020 to 14/09/2020
- ➔ "UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content  
Development Course"  
Knowledge Consortium of Gujarat 28/07/2020 to 18/08/2020

## PROFESSIONAL MEMBERSHIPS:

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Life Member, Indian Society for a Technical Education

## PORTFOLIOS:

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Student Section Co-chairman	2019-Present
Women Development Cell member	2021-Present
Matlab & Simulink Committee member	2020-Present
ST-SC Cell member	2019-Present
ICT Committee member	2020-Present
Network Committee member.	2020-Present
Anti-Ragging Squad member	2019-Present

## PUBLICATION (PAPERS/BOOKS):

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1. Khushbu D. Patel and D.C. Joshi, Reduced Differential Transform Method to study the Mathematical Model of Tumor Invasion and Metastasis, *International Journal of Research in Advent Technology*(ISSN:2321-9637), Volume-7, Issue 2-Feb-2019
2. Khushbu D. Patel and D.C. Joshi , Study of Malignant Tumour Growth based on Dynamics of Cell Cycle by Modified Differential Transform Method, *International journal of analytical and experimental modal analysis*(ISSN NO: 0886-9367), Volume XI, Issue X, October-2019
3. Khushbu D. Patel and D.C. Joshi, Modified Differential Transform Method to Study Reaction Diffusion Mechanism of Carcinogenic Polycyclic Aromatic Hydrocarbon in Mammalian Cell Including Perinuclear Membrane, *International Journal on Emerging Technologies* (ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255), 10(4): 145-152(2019)

**PATENT FILED:** NIL

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**PROJECT GUIDED:** NIL

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SSIP/Research/funded Projects: NA

Academic projects: NA

**Expert lectures / workshop organized/Delivered:** NIL

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**AWARDS AND HONOURS:** NIL

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**SUBJECT TAUGHT:**

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Mathematics I (3110014)

Mathematics II (3110015)

Complex Variables and Partial Differential Equations (313005,3140610)

Applied Mathematics for Electrical Engineering (3130908)