

Dr. KHUSHBU PATEL

DESIGNATION	Associate Professor in Mathematics	
RESEARCH INTEREST	Bio-Mathematics, Numerical Analysis	
EXPERIENCE	14 YEARS	
CONTACT INFORMATION	Room No B 206, Admin Block, Government Engineering College, Near Sanskar Kendra, College Road, Valsad-396001 Mobile: 9824610709 E mail: kdpatel@gecv.ac.in	

APPONTMENT:

Government Engineering College, Valsad Assistant Professor (GES CL II)	2011-2025
Government Engineering College, Valsad Associate Professor (GES CL I)	2025-present

EDUCATION :

M.Sc. in Mathematics VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT, GUJARAT	May-2009
B.Sc. in Mathematics VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT, GUJARAT	May-2007
Ph.d. in Mathematics VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT, GUJARAT	March-2022

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"

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|---|--------------------------|
| → 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 |
| → “Introduction to Operation Research” | |
| Mooc based NPTEL -AICTE | 21/02/2022 to 15/04/2022 |
| → Introduction to Probability and Statistics | 23/01/2023 to 17/02/2023 |

PROFESSIONAL MEMBERSHIPS

Life Member, Indian Society for a Technical Education

PORTFOLIOS:

Student Section Co-chairman	2019-Present
Women Development Cell member	2021-Present
ST-SC Cell member	2019-Present
ICT Committee member	2020-Present
Network Committee member.	2020-Present
Anti-Ragging Squad member	2019-Present
Department Overload Committee member	2014-Present
ACPC Nodal Officer(D2D)	2023- Present

PUBLICATION (PAPERS/BOOKS):

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)

SUBJECT TAUGHT:

Mathematics I (3110014)
 Mathematics II (3110015)
 Complex Variables and Partial Differential Equations (313005,3140610)
 Applied Mathematics for Electrical Engineering (3130908)