

Harsh Makwana

☎ +91 8469798968 | @ harshdarji6601@gmail.com | 📍 Anand, India

OBJECTIVE

To encourage creativity and higher-order thinking in a way that increases student performance.

WORK EXPERIENCE

A. D. Patel Institute of Technology (ADIT)

New v v nagar, Anand - 388120

Assistant Professor

Sep 2022 – Present

- Served as the course coordinator for Linear Algebra and Ordinary Differential Equations courses offered to first-year engineering students, overseeing all aspects of course delivery and management.
- Taught Numerical Methods courses to engineering students, covering numerical techniques for solving mathematical problems, interpolation, approximation, numerical integration, and solutions of linear and nonlinear equations.
- Taught Probability and Statistics courses to engineering students, covering basic probability concepts, statistical distributions, hypothesis testing, regression analysis, and probability models relevant to engineering applications.
- Taught Complex Variables and Numerical Methods courses to engineering students, covering complex analysis, contour integration, Cauchy's theorems, Taylor and Laurent series, residue theory, and numerical techniques for solving mathematical problems, including interpolation, approximation, numerical integration, and solutions of linear and nonlinear equations.
- Participated in departmental meetings, curriculum committees, and program reviews to contribute to the continuous improvement of the mathematics curriculum and the overall educational experience of students in the engineering program.

Indukaka Ipcowala College of Pharmacy (IICP)

New v v nagar, Anand - 388120

Visiting Faculty

Sep 2022 – Present

- Taught Remedial Mathematics course to undergraduate students in the pharmacy program as a visiting faculty member.

V. P. & R.P.T.P Science College

V V Nagar, Anand - 388180

Assistant Professor (Adhoc)

July 2021 – Sept 2022

- Taught undergraduate courses in Number Theory, Ordinary Differential Equations, Partial Differential Equations and Linear Algebra, incorporating hands-on programming sessions using SageMath, an open-source mathematics software system, to enhance students' understanding of mathematical concepts and promote computational thinking skills.

EDUCATION

Doctor of Philosophy (PhD) (Pursuing) , Special Function

Vallabh Vidhyanagar, India

Department of mathematics, Sardar Patel University

Dec 2023 – Present

Master of Science (M.Sc.) , Mathematics

Vallabh Vidhyanagar, India

Department of mathematics, Sardar Patel University

Jun 2019 – Jun 2021

Bachelor of Science (B.Sc.) , Mathematics

Vallabh Vidhyanagar, India

V. P. & R.P.T.P Science College, Sardar Patel University

Sep 2016 – Apr 2019

Bachelor of Education (B.Ed.) , Maths-Science

Ahemdabad, India

Smt. S. N. Patel B.Ed. College, Gujarat University

ACADEMICS CREDENTIALS

- Qualified GSET 2022.
- Qualified TAT-S and TAT-HS 2023.
- Qualified CTET 2023.
- Life member of the **SOCIETY FOR SPECIAL FUNCTIONS AND THEIR APPLICATIONS, INDIA.**
- Participated and cleared a state level A.R. RAO mathematics competition 2020-2021.
- Received a certificate for participated and successfully completed an elementary course in LaTeX.

WORKSHOPS AND CONFERENCES ATTENDED

Dec 26 - Dec 28, 2024

Presented a paper "Generalized Differential Operators and Applications" in a national conference on multidisciplinary research for viksit bharat 2047 organized by Sardar Patel University, Vallabh Vidyanagar, Anand.

Nov 28 - Nov 30, 2024

International Conference on a Special Functions and Applications (ICSFA-2024), VGU, Jaipur, Rajasthan.

Dec 23 - Dec 23, 2024

Attended one day workshop on 'Computing calculus with python', organized by the MathTech Thinking Foundation, Fazilka, India .

May 24 - May 30, 2023

International Workshop on Computational Special Function and Their Application, MTTF, Fazilka, India .

COMPUTER SKILLS

- SageMath
- MATLAB
- LaTeX
- MS OFFICE 2007 (Excel, Power Point and other Basics)

PERSONAL DETAILS

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- **Contact:** +91 8469798968
- **E-Mail:** harshdarji6601@gmail.com
- **Nationality:** Indian
- **Gender:** Male
- **Languages:** English (Professional), Gujarati (Native), Hindi (Elementary)

REFERENCES

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Department of Mathematics
Sardar Patel University
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DECLARATION

I hereby do solemnly affirm that the details furnished above are true to the best of my knowledge.

Date:

Place:

Harsh Makwana