

Name of Teaching Staff : Alisha Banz
Designation : Assistant Professor
Department : General Science and Humanities (Applied Mathematics)
Date of Joining the Institution : 02.07.2012
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Researchgate Link: :
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Publons Researcher ID: :
Qualifications with Class / Grade : PhD (pursuing) from NMIMS University since 2024.
MSc (Mathematics) from University of Mumbai, in 2011.
BSc (Mathematics) from Fergusson College, Pune, in 2008.
Total Experience in Years : Teaching: 14 years 7 months
Assistant Professor, D. J. Sanghvi College of Engineering from July 2012 – till date
Lecturer, Vidyavardhini College of Engineering, Mumbai from January 2012 – June 2012
Lecturer, Bhausahab Vartak Polytechnic, Mumbai from August 2011 – December 2011
Papers Published in Journal: :
Papers Presented in Conferences : International: 02
1. “Noise Structure in Stochastic Gradient Methods: ℓ_1 vs ℓ_2 Perturbations” at the 1st International (7th National) Conference on Recent Advancements in Physical Sciences, jointly organized by the Department of Mathematics and the Department of Physics, National Institute of Technology Uttarakhand, held during February 6–8, 2026, at NIT Uttarakhand.
2. “Investigating the relationship between the Economic and Environmental Mobility Indicators for developing countries” in the international conference ICRTM-2025 organized by the Department of Mathematics, Hansraj College, University of Delhi from 7-8 February 2025 in Delhi, India.



National: 01

1. “ARIMA-Based Gradient Prediction: A Time Series-inspired Optimizer for Stochastic Regression Problems” at the National Conference on Computational Geometry, Analysis, and Machine Learning, organized by Department of Mathematics, Institute of Chemical Technology, Mumbai and SIWS College, Mumbai, held during 18-19 April 2025 at ICT, Mumbai

Area of Specialization
Professional Memberships

Optimization, Machine Learning
: ISTE

Subjects Taught

UG Level:

- Engineering Mathematics I (Sem-1 F. Y. BTech.)
- Engineering Mathematics II (Sem-2 F. Y. BTech.)
- Engineering Mathematics III (Sem-3 S. Y. BTech.)
- Engineering Mathematics IV (Sem-4 S. Y. BTech.)
- Mathematics for Intelligent Systems (Sem-3 S. Y. BTech.)
- Statistics for Data Science (Sem-4 S. Y. BTech.)
- Econometric Modelling (Sem-5 T. Y. BTech.)
- Advanced Statistics (Sem-6 T. Y. BTech.)
- Biostatistics (Sem-5 T. Y. BTech.)

PG Level:

Projects Guided

: **UG Level:**

PG Level:

Recommended Students for
Higher Education

<u>Name of the Student</u>	<u>University/Industry</u>
Vansh Ruia	Penn Engineering
Jemish Ashwin Patel	Columbia University, Baruch College, NC State University, NYU Tandon School of Engineering, University of Illinois Urbana-Champaign, Stony Brook University, University of Illinois.
Ayushi Uttamani	University of Ottawa
Akash Patel	Toronto Metropolitan University
Diyansh Patel	California State University, Northeastern University, Northeastern University, Syracuse University, Florida Institute of Technology, Drexel University,
Vismay Devjee	University of Toronto, Northeastern University, University of Illinois
Pakshal Shah	Stony Brook University, Boston University, NYU Tandon School of Engineering, Northeastern University, The University of Texas at Dallas,
Harshil Ashit Zaveri	University of Chicago, University of Illinois, University of Washington, Georgia Institute of Technology, Columbia Engineering, Baruch College, NC State University
Harit Prashant Modi	Worcester Polytechnic Institute, Northeastern University, University of Illinois, Fordham University, George Washington University, Brandeis International Business School, Bentley University, The University of Texas
Manav Shah	Carnegie Mellon, Stony Brook University, Columbia Engineering, MIT Sloan, Baruch College, University of Illinois, Georgia Institute of Technology
Dhyey Manish Rajani	Johns Hopkins University, University of Minnesota,

Institute/Department
Responsibility handled:

1. Cultural Convener
2. NSS Program Officer
3. Admission Committee member
4. NAAC Criteria In charge
5. NBA Committee member
6. Class Teacher