Faculty Profile

Name	:Dr. Pratiksha Ramu Demanna
Designation	:Assistant Professor
Department	:First Year B. Tech.
MobileNo	:8623050655
Email Id	:prd@amgoi.edu.in

Educational Qualification:-

Sr.No	Degree	University	Class
1.	Ph.D.	Shivaji University Kolhapur	Awarded
2.	SET	Savitribai Phule Pune University, Pune	Qualified
4.	M.Sc. Mathematics	Shivaji University Kolhapur	First class withdistinction
5.	B.Sc. Mathematics	Shivaji University Kolhapur	First class withdistinction

Professional experience:-Total experience in years: **08 Years**
Teaching:- 03 years   Industrial:-Nil   Research:-05 years

Sr. No.	Organization	Post	Period
1.	Shri. Balasaheb Mane Shikshan Prasarak Mandal Ambap's Ashokrao Mane Group of Institutions,Vathar.	AssistantProfessor	24/04/2023 toTill date
2.	Shivaji University Kolhapur	ResearchFellow	18/01/2020 to 17/01/2023
3.	Shivaji University Kolhapur	DST -PURSE ResearchAssistant	18/12/2018 to 17/11/2019
4.	Mahavir Mahavidyalaya Kolhapur	AssistantProfessor	01/07/2018 to 30/11/ 2018
5	SIT Polytechnic Yadrav Ichalkaranji	Lecturer	04/05/2017 to 16/12/2017

Subjects Taught:-

Sr. No.	Undergraduate Subjects		
1.	Basic Mathematics I	2.	Ordinary differential equations
3.	Engineering Mathematics II	4.	Engineering Mathematics III
5.	Probability and Statistics	6.	Probability Theory and Random Processes
Sr. No.	Post-Graduate Subjects		
1.	Advanced Discrete Mathematics	6.	Graph Theory
3.	Discrete Mathematics Structures	8.	Field Theory
5.	Algebraic Number Theory	10.	Mathematical Foundations

Research Area of Interest:- Applied Mathematics
Paper Presented in National & International Journal & Conference:- 03
National Journal:-   02
International Journal:- 00

Sr. No.	Title	NameofJournal	Type*(NJ/IJ)	Details
1	Periodic Indefinite Sturm-Liouville Problems with oneturning Point	Journal of Indian Mathematical Society	NJ	Volume:89, Issue:(1-2) , Year: 2022 Pages:182-197.
2	Periodic Sturm-Liouville Problem Involving Transmission Condition	International Journal of Research and Analytical Reviews	NJ	Volume:9,Issue:3, Year: 2022 Pages:159-169

Paper Presented in National & International Conference:-03

Sl.	Title	Name of Conference & Institute	Type* (NC/IC)	Date
1	Periodic Indefinite Sturm-Liouville Problems With OneTurning Point	National Seminar on Algebra-2020	NC	14th to 15th February 2020.
2	Right Definite Discontinuous Sturm-Liouville Problems with Periodic Boundary Conditions	National Conference on Mathematical Analysis and Applications-2022	NC	21st to 22nd March 2022.

3	Periodic Sturm-Liouville Problem with Transmission Condition	International Conference on Advances in Computer Sciences ICACS-2022	IC	20 to 21 May 2022

*NC-National Conference   IC-International Conference

No. of Project Guided at U. G. Level:- Nil   Mini Projects: Nil

Expert Lectures Delivered as a Resource Person:-03

Sr. No.	Title of lecture	Title of Event	National/ International	Institute
1	**Mathematics with Scilab**	Value added program on Computational Mathematics with MATLAB and SCILAB	National	Dept. of Mathematics, Shivaji University, Kolhapur
2	**Plotting in Scilab**	Diploma and Advance diploma Courses in Mathematics.	National	YCIS Satara
3	**Mathematics with Scilab**	Value added course on MATLAB and Scilab	National	Dept. of Mathematics, Shivaji University, Kolhapur.

STTP/FDP/Workshops/Attended/Participated:-01

S.N	Title	Organiser	Duration
1	**International Faculty Development program on Vedic Mathematics and applied sciences**	Woxen University Hyderabad	14th to 18th Oct. 2023.
2	**5 - days International Faculty Development Program on "Exploring Research Frontiers in Dynamical Systems".**	Department of Mathematics Jointly with School of Emerging Sciences &Technology, Gujarat University.	20th to 24th May 2024.
3	**National seminar on Differential Equations and Dynamical Systems**	Department of Mathematics, Shivaji University Kolhapur.	27th to 28th Feb. 2017.
4	**National Conference on Advances in Differential Equations**	Department of Mathematics, Vivekanand College Kolhapur.	29th Sept. 2018.
5	**STTP on Design of Experiment and Optimization**	AMGOI, Vathar sponsored by DBATU, Lonere.	11th to 16th Dec. 2023
6	**Two days International Symposium on PDE & Geometric Analysis**	Department of Mathematics of K. J. Somaiya College of Science & Commerce, Mumbai	18th to 19th March 2022.

7	One Day Workshop on: Fractional Differential Equations: Analysis and Applications	Department of Mathematics, Shivaji University Kolhapur.	9th March 2020.
8.	One day online workshop on new syllabus M. Sc Mathematics part II semester III	Department of Mathematics, Shivaji University Kolhapur.	30th Jan. 2021.
9.	Workshop on Research as Career: Opportunities Abroad and Associated Preparations	Shivaji University, Kolhapur.	13th Feb. 2021.

➢ **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	FDP on Ancient and Computational Mathematics	AMGOI, Vathar.	20th Feb. 2024

Departmental Responsibilities:-

1. IQAC Coordinator, NBA Coordinator
2. NAAC Criteria II coordinator

Other Experience/Responsibilities If Any:-

Social Contribution If Any:-

Professional Membership If Any:- Life member of Indian Mathematical Society (L/2020/11)