


PROFILE

Department Of Mathematics

Year of Establishment	Programme
UG: 1992	B.Sc.
M.Phil./Ph.D.:	Ph.D.

Faculty Profile

Sr.No.	Photo	Detail
1		Dr.S.N.Salunkhe (HOD) M.Sc., Ph.D. Experience : UG: 25 years Mobile No. : 9420348619 Email :saisns@reiffmail.com

Courses Offered

Sr. No	Class & Semester	Course Code	Title of the Paper
1	F.Y.BSc. Sem: I	MTH-101	Matrix Algebra
		MTH-102	Calculus of Single Variable
		MTH-103B	Discrete Mathematics
	F.Y.BSc. Sem: II	MTH-201	Ordinary Differential Equations
		MTH-202	Theory of Equations
		MTH-203B	Numerical Methods
2	S.Y.BSc. Sem: I	MTH-301	Calculus of Several Variables
		MTH-302A	Group Theory
		MTH-303	Practical Course
	S.Y.BSc. Sem: II	MTH-401	Complex Variables
		MTH-402	Differential Equations
		MTH-403	Practical Course

B.Sc. Mathematics Programme Specific Outcome

Sr.No.	After Studying the Programme students will be able to:
1	Understand the concepts of mathematics for use MPSC, UPSC and other competitive examinations
2	Understand the concept of matrix and operations
3	Understand the concept of limits and continuity
4	Students are able to understand concepts of Mathematical logic
5	Understand the use of Applications of Differential equations
6	Understand the use of Applications of Integral equations

Syllabus

1. F.Y.B.Sc.: [View Syllabus](#)
2. S.Y.B.Sc.: [View Syllabus](#)

Publications

Sr. No.	Title	Author	Journal	Vol.(Issue)Year,Page	
1	A functional differential equation in Banach algebras	S.N.Salunkhe+3	Mathematical Inequalities and Application	8(1)2005 89-99	-----
2	A neutral functional differential equation in Banach algebras	S.N.Salunkhe+1	Mathematical Science Research Journal	9(4)2005 101-113	ISSN: 1537-5978
3	Positivity results for functional differential equations on unbounded intervals	S.N.Salunkhe+1	VNSGU Journal of Science and Technology	1(2)2009 161-168	ISSN: 0975-5446
4	Existence theorem for first order ordinary functional differential equations with periodic boundary conditions	S.N.Salunkhe+1	General Mathematics Notes	1(2)2010 185-194	http://www.geman.in
5	Continuity and compactness results for differential operator in	Salunkhe S.N.+1	Int. eJournal of mathematics	127(-)2011 1155-	ISSN: 0976-1411


	Banach space		and engineering	1160	
6	Attractivity results for functional differential equations on unbounded intervals	S.N.Salun khe +1	Int. Journal of Mathematical Sciences, Technology and Humanities	5(-) 2011 53-60	ISSN: 2249-5460
7	Global attractivity results for neutral functional differential equations in Banach Algebras	S.N.Salun khe	Int. Journal of Mathematical Sciences, Technology and Humanities	54(-) 2012 577-586	ISSN: 2249-5460
8	Existence theorem for periodic boundary value problems of second order ordinary differential equations	S.N.Salun khe	Int. Journal of Applied Mathematical analysis and Applications	7(2)201 2 221-229	ISSN: 0973-3868
9	Asymptotic Attractivity Result For Functional Differential Equation in Banach Algebras	S.N.Salun khe	Int. Journal of Advancements in Research and Technology	1(4)201 2 1-5	ISSN: 2278-7763
10	An existence results global attractivity for nonlinear functional integro-differential equations	S.N.Salun khe	Int. e-Journal for education and Mathematics	02(02)2 013 25-34	ISSN: 2320-2971
11	Existence theorem for ordinary nonlinear differential equations	S.N.Salun khe	IJRDO- Journal of Mathematics	4(1)201 8 1-9	ISSN: 2455-9210
12	Approximation Method for Hybrid Functional Differential Equations	S.N.Salun khe	Int. Journal of Mathematics Trends and Technology	65(6)20 19 21-25	doi:10.14445 /22315373/IJ MTT- V65I6P504
13	Magnetohydrodynamics boundary layer flow and heat transfer in porous medium past an exponentially stretching sheet under the influence of radiation	S.N.Salun khe +2	Heat Transfer Wiley	2020 1-15	DOI:10.1002 /htj.21752

14	Asymptotic Attractivity Result For Neutral Functional Differential Equation	Shantaram Narayan Salunkhe	Int. Journal of Mathematics Trends and Technology	67(3)2021 13-20	doi:10.14445/22315373/IJMTT-V67I3P503
15	Ordinary functional differential equations with periodic boundary conditions involving Caratheodory condition	S.N.Salunkhe	Int. Journal of Mathematics Trends and Technology	67(6)2021 119-124	doi:10.14445/22315373/IJMTT-V67I6P513
16	Effects of nonlinear thermal radiation over magnetized stagnation point flow of Williamson fluid in porous media driven by stretching sheet	S.N.Salunkhe +3	Heat Transfer Wiley	2021 2543-2557	DOI:10.1002/hlj.21991
17	Thermal Radiation and Magnetic Fields Effects on Nano fluids Flowing Through Stretch Sheet	S.N.Salunkhe+1	Journal of Computational Applied Mechanics	54(1),2023 111-126	DOI:10.22059/JCAMECH.2023.353492.791

Dr. SHANTARAM NARAYAN SALUNKHE

Assistant Professor
SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA



 :9420348619

Personal Information :

Full Name : Dr. SHANTARAM NARAYAN SALUNKHE
Date of Birth : 13-11-1968
Address : 68, Shrinivasbhau Nagar, Kajgaon Road,,
Parola, Parola, Jalgaon - 425111
Contact Number (Residence) : 02597 - 222666
Mobile Number : 9420348619
E-Mail Address : saisns@rediffmail.com
Category : OPEN
Subject of University Approval : MATHEMATICS

University Approval Letter No. and Date : NMU/18/J-40/3149/98 [Dt. 09-04-1998]

Educational Qualifications :

Sr. No.	Qualification	Name of Board / University	Month and Year of Passing	Grade / Marks / Division
1	B.Sc	UNIVERSITY OF POONA	July - 1991	SECOND CLASS
2	M.Sc[MATHEMATICS]	NORTH MAHARASHTRA UNIVERSITY, JALGAON	January - 1994	FIRST CLASS
3	Ph.D[MATHEMATICS]	VEER NARMAD SOUTH GUJARAT UNIVERSITY,SURAT	December - 2011	-----
4	B.Ed	NORTH MAHARASHTRA UNIVERSITY, JALGAON	April - 1996	FIRST CLASS

Research Degree(s)

Degree	Title	Date of Award	University
M.Phil.	Preparation of spray pyrolyzed ZnO thin Films and their applications in gas sensing	13/02/2009	North Maharashtra University,Jalgaon
Ph.D./D.Phil	Studies on gas sensing performance	On Going	North Maharashtra

	of ZnO : Fe ₂ O ₃ thin films obtained from Spray Pyrolysis technique	Work	University, Jalgaon
D.Sc./D.Litt	--	--	--

Research Guide: 04 students working as Ph.D. student under my guidance.

Research Project Details :

Sr. No.	Funding Agency	Project Title	Project Period and Amount	Present Status
1	University Grant Commission	Nonlinear Functional Differential Equation In Banach Algebras	02 years - [Rs. 60,000/-]	Returned

Details of Conference / Symposium / Workshop Attended :

Sr. No.	Title of Conference / Symposium / Workshop	Level	Place	Period
1	Conference - [Recent trends in Mathematics and its applications]	National	Govt.P.G.College, Dhamtari (chhattisgarh)	24-26 October, 2004
2	Conference - [National conference on analysis and applications with special emphasis on Algebra and Topology]	National	Dept. of Mathematics, Karnatak University, Dharwad.	02-04 February, 2007
3	Conference - [Recent Trends in Mathematics]	National	Dept. of Mathematics S.S.V.P.S. Science College, Dhule (Maharashtra)	01-02 September, 2007
4	Conference - [National seminar on analysis differential equations and applications]	National	Dept. of Mathematics, The Maharaja Sayajirao University of Baroda (Gujarat)	30-31 January, 2009
5	Conference - [Industrial Statistics and Computational Mathematics]	National	School of Mathematical Sciences, North Maharashtra University, Jalgaon (Maharashtra)	21-23 January, 2010
6	Conference - [The 76th Annual conference of The Indian Mathematics Society]	National	Dept. of Applied Mathematics and Humanities, S.V. National Institute of Technology, Surat	27-30 December, 2010

			(Gujarat)	
7	Conference - [Mathematical analysis and applications-2011]	National	Zulal Bhilajirao Patil College, Dhule (Maharashtra)	28-30 November, 2011
8	Workshop - [Workshop in Mathematics]		S.S.V.P.S. Science college, Dhule	7th october 2001,1day
9	Workshop - [F.Y.BSc. Syllabus framing Workshop in Mathematics]		Rashtriya Arts Science commers college, Chalisgaon.	9th February 2002, 1day
10	Workshop - [S.Y.BSc. Syllabus framing Workshop in Mathematics]]		Smt.G.G.Khadase Science college, Muktaingar	10th February 2003, 1day
11	Workshop - [F.Y.BSc. Syllabus framing Workshop in Mathematics]]		Smt.G.G.Khadase Science college, Muktaingar	3rd January 2007,1day
12	Workshop - [S.Y.BSc. Syllabus framing Workshop in Mathematics]		S.S.V.P.S. Science college, Dhule	8th December 2007, 1day
13	Conference - [International Conference On Mathematical Modeling And Numerical Simulation.]	International	Department Of Applied Mathematics Babasaheb Bhimrao Ambedkar University (Central Uni.) Lucknow U.P.	01-03 July 2013
14	Short Term Training Program - [Significant Role of Mathematical Analysis in Applied Sciences and Engineering]	National	Dept. of Applied Mathematics and Humanities,S.V. National Institute of Technology,Surat (Gujarat)	Sep.30-Oct.04,2013

Details of Conference / Symposium / Workshop Organized :

Sr. No.	Title of Conference / Symposium / Workshop	Level	Place	Period
No Records.				

Paper Presentation Details :

Sr. No.	Title of Paper	Level	Place	Period
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1	A Functional Differential Equation In Banach Algebras	National	Govt. P.G. College, Dhamtari(chhatisgarh)	24-26 October 2004
2	Neutral Functional Differential Equation In Banach Algebras	National	Karnatak University, Dharwad(Karnataka)	2-4 February 2007
3	Neutral Functional Differential Equation In Banach Algebras	National	The Maharaja Sayajirao University, Baroda(Gujarat)	30-31 January 2009
4	Attractivity results for functional differential equationson unbounded intervals	National	S.V.National Institute of Technology,Surat(Gujarat)	27-30 December 2010
5	An Existence Reulsts Global Attractivity For Nonlinear Functional Integro-Differential Equations	International	Babasaheb Bhimrao Ambedkar(Central) University, Lucknow,U.P.	01-03 July 2013
6	Nonlinear Functional Differential Equation in Banach Algebra.	National	Dept. of Applied Mathematics and Humanities,S.V. National Institute of Technology,Surat (Gujarat)	Sep.30-Oct.04,2013
7		National	Ankola	

Details of Publications (Paper / Books / Articles / Monographs / Book Chapters) :

Sr. No.	Details of Publication	Publication	Author (s) / Editor (s)	Level and Date
1	Paper - [A Functional Differential Equation In Banach Algebras.] Mathematical Inequalities & Applications. Vol.8, No.1 From 89 To 99	Publishing House Elements,Zagreb, Croatia.	B.C.Dhage, S.N.Salunkhe, Ravi P.Agarwal,W.Zhang.	International - [09-01-2005]
2	Paper - [A Neutral Functional Differential Equation In Banach Algebras.] Mathematical Sciences Research Journal. Vol.9,ssu-4 (ISSN-1537-5978) From 101 To 113	Global Publishing Company, U.S.A.	B.C.Dhage, S.N.Salunkhe,Ram U.Verma	International - [19-05-2005]
3	Paper - [Positivity Results For Functional Differential Equation On Unbounded Intervals.] VNSGU Journal of Science & Technology. Vol.1, Issu:2 (ISSN:0975-5446) From 161 To 168	Veer Narmad South Gujarat University, Surat.	Salunkhe S.N.,Timol M.G.	International - [31-12-2009]
4	Paper - [Existence Theorem For First Order Ordinary Functional Differential Equations With Periodic Boundary Conditions.] General Mathematics Notes. Vol.1 No.2 (ISSN:2219-7184) From 185 To 194	International Certer For Scientific Research and Studies, Kingdom, Saudi Arabia.	S.N.Salunkhe, M.G.Timol.	International - [18-12-2010]
5	Paper - [Attractivity results for functional differential equations on unbounded intervals] International Journal Of Mathematical Sciences,Technology and Humanities. Vol.1	International eJournals Publication	S.N.Salunkhe, M.G.Timol	International - [29-03-2011]

	ISSUE:1,(ISSN:2249-5460) From 53 To 60			
6	Paper - [Continuity and Compactness results for differential operator in Banach space] International Journal Of Mathematics and Engineering Vol.2 Issue-4(ISSN:0976-1411) From 1155 To 1160	International eJournals Publication	SALUNKHE S.N.,TIMOL M.G.	International - [19-12-2011]
7	Paper - [Existence theorem for periodic boundary value problems of second order ordinary differential equations] International Journal of Applied Mathematical Analysis and Applications Vol.7 No.1 (ISSN:0973-3868) From 81 To 89	Serials Publications	S.N.SALUNKHE,M.G. TIMOL	International - [13-02-2012]
8	Paper - [Global attractivity results for neutral functional differential equations in Banach Algebras] International Journal Of Mathematical Sciences,Technology and Humanities Vol.2 Issue-3(ISSN:2249-5460) From 577 To 586	International eJournals Publication	S.N.Salunkhe	International - [09-08-2012]
9	Paper - [Asymptotic Attractivity Results For Functional Differential Equation In Banach Algebras] International Journal of Advancements in Research & Technology,Vol. 1, Issue:4 (ISSN:2278-7763) From 1 To 5	Science Research Publication	S.N.SLUNKHE	International - [19-09-2012]
10	Paper - [An Existence Results Global Attractivity For Nonlinear Functional Integro-Differential Equations] International e-Journal for Education and Mathematics vol.02, No.02,(ISSN : 2320-2971) From 25 To 34	iejem.org	S.N.Salunkhe	International - [12-02-2013]

Experience Details :

Sr. No.	Name of Employer	Designation	Nature of Post	Duration	Pay Scale	Reason for Leaving
1	Rani Laxmibai Mahavidyalaya,Parola. Dist.Jalgaon	Assistance Professor	Permanent	01-07-1997 - Till Date	15700-37100	

Workload Details:

Sr. No.	Course and Year	Subject	Workload
1	[B.SC.] [First Year]	MATHEMATICS	Theory - 09 Hrs Practical - ----- Hrs
2	[B.SC.] [Second Year]	MATHEMATICS	Theory - 08 Hrs Practical - 04 Hrs

Place :

Date :

Dr. SHANTARAM NARAYAN SALUNKHE