

## Curriculum Vitae



### 1. Personal Information

- **Full Name** : Dr. RAJKUMAR NAMDEVRAO INGLE.
- **Date of Birth** : 06-03-1968.
- **Sex** : Male
- **Marital status** : Married
- **Category** : OPEN
- **Nationality** : Indian
- **Address for correspondence: Office**: Professor and  
: Head Dept. of Mathematics,  
B.S.College, Basmathnagar.  
Dist. Hingoli. 431512. [M.S]

<b>Residential Address</b>	: Ipkalwar nagar, College Road Basmathnagar Dist. Hingoli. 431512. [M.S]
• <b>E-mail ID</b>	: <a href="mailto:ingleraju11@gmail.com">ingleraju11@gmail.com</a>
• <b>Mobile No</b>	: <b>9421457797, 7798164932</b>
• <b>Date of Appointment</b>	: 17 Oct.1994
• <b>Designation</b>	: Professor and HOD.
• <b>Teaching Experience</b>	: 29-years.
• <b>Approval date and No.</b>	: 10 <sup>th</sup> Nov-2006. Acad/ Approval/02/2006-07/6916.
• <b>Status of Appointment</b>	: Permanent.
• <b>Salary or Pay Scale</b>	: 144200-218200.
• <b>A.G.P</b>	: 10000. ( VI Pay)
• <b>Area of specialization</b>	: Differential Equations.
• <b>Area of research</b>	: Nonlinear Analysis, Differential Equations.

**2. Career Objectives:**

- To obtain a challenging position in my dream institute to expand my experience and skills and work towards the overall growth of the organization.
- To get new experience as well as utilize my communication and interpersonal skill to work towards organizational goals.
- To obtain research in a variety of ways, depending on my field of study and research interests to share advance knowledge and contribute to the development of new theories models and practices with students and colleagues.
- To teach and carry myself in such a way that students are comfortable and his doubts and clarifications.
- To evaluate the strengths and help them improve their performances and set a goal helping students improve their grades.

**3. Educational qualification:-**

Sr. No.	Examination	University/Board	Subjects	Month and year of passing	Class/Div
1	S.S.C.	Aurangabad	Physics, chemistry, maths , social science.	M / A 1983	I
2	H.S. C	Aurangabad	Mathematics, Physics, Chemistry, Biology	M/A 1986	II
3	B. Sc.	M.U. Aurangabad	Physics, chemistry, math's	M / A 1989	II
4	M. Sc.	M.U. Aurangabad	Mathematics	M/A 1991	I
5	Ph. D	S.R.T.M.U. Nanded.	Differential Equations	28 April 2006	
6	B.Ed.	S.R.T.M.U. Nanded.	Maths , Science	M/A 1993	I

#### 4. Academic Achievements

**Books: Published = 03, Editor of International Journal = 01**

Sr. No.	Name of the Book/Journal	Author	Edited & ISBN No.	Publisher	Year of publication
01	Ordinary Differential Equations	Dr. R. N. Ingle Dr. S. B. Chavan	978-93-83389-87-2	Aruna Publication, Latur	2014
02	Partial Differential Equations	Dr. R.N. Ingle Dr. S.B. Chavan	978-93-83389-94-0	Aruna Publication, Latur.	2014
03	Real & Ring Analysis Theory Universal	Dr. Zampalwad S.S. Dr. R.N. Ingle	978-93-83389-98-8	Aruna Publication, Latur.	2015
04	Appointed as Editor of International Journal of Mathematics and Mathematical Sciences.	Dr. R.N. Ingle	2454-7271 Editor & Member Refree Panel	BMSD Society Latur	2015
05	Solution of Fractional Differential Equations by Using Conformable Fractional Differential Transform Method with Adomian Polynomials	Dr. R.N. Ingle	<a href="https://doi.org/10.1007/978-981-19-9307-7_29">https://doi.org/10.1007/978-981-19-9307-7_29</a>	Mathematics and Computing, Springer Proceedings in Mathematics & Statistics 415	2023

➤ **Research Papers Published = 93**

Sr. No.	Title of the Research Publication	Journal name	Volume No	Month/ Year of Publication	ISSN No.	Level & Impact Factor
1.	Existence of Extremal Random Solutions of	Communications on Applied	11(2004), Nu	2004.	1074-133X	I, Referred

	Nonlinear Random Integral Equations	Nonlinear Analysis	umber 4,43-56		-	Journal
2.	Two-Point Nonlinear Perturbed Random Boundary Value Problems.	Communications on Applied Nonlinear Analysis	11(2004), Number 4,91-107	2004.	1074-133X	I, Referred Journal
3.	Third Order Non-Convex Random Differential Inclusion	Journal of Global Research in Mathematical Archives	09,15-22	Sept 2013	2320-5822	I, Referred Journal
4.	Balancing Chemical Equations by Using Mathematical Model	International Journal of Mathematical Research and Science	Vol.1,Issue 4,	Sept 2013	IJMRSV11S040035	I, Referred Journal
5	Second Order Nonlinear Functional Random Differential Equation.	Journal of Global Research in Mathematical Archives	Vol.1, No.12 15-20.	Dec 2013	2320-5822	I, Referred Journal
6	Application of Sumudu Transform in Engineering Field.	The Proceedings of State Level conference on Mathematics For All Sciences .C.B.K.B. Science College, Akkalkot on Dec 20-21, 2013	26-27	Dec. 2013		State
7	Existence Theory For Nonlinear Perturbed Functional Random Differential Equations.	Bulletin Of the Marathwada Mathematical Society	Vol.14,No.2	Dec. 2013	0976-6049	National Referred Journal
8	Existence Theorem For	The Proceedings of	16-24	Jan.		National

	Nonlinear Functional Two-Point Boundary Value In Banach Algebras	National Level conference on Mathematics Rajarshi S..College, Latur on Jan.17-18, 2014		2014	978-81-926910-4-6	
9	Existence of Extremal Random Solutions of Neutral Functional Random Differential Equations in Banach Algebras	Clifford Analysis, Clifford Algebras and Their Applications	Vol.4, No.2, pp141-149.	2015	-	International
10	Applications Of Sumudu Transform In Electric Engine E ring	Tactful Management Research Journal	2,Issue.9	June 2014	2319-7943	I, Referred Journal I.F.=1.532 6
11	Existence Theory For Second Order Nonlinear Functional Random Differential Equation In Banach Algebra	I.O.S.R. Journal of Mathematics	Issue.1,ver.1	Jan-Feb 2014	2278-5728	I, Referred Journal I.F.=1.759
12	Qualitative Analysis Of Nonlinear Ordinary Differential Equations	Journal of Global Research in Mathematical Archives	2,Issue.4	April 2014	2320-5822	I, Referred Journal
13	Extension Of Solutions Of Nonlinear Ordinary Differential Equations	Journal of Global Research in Mathematical Archives	2,Issue.4	April 2014	2320-5822	I, Referred Journal
14	Fourth Order Nonlinear Functional Random Differential Equation In Banach Algebra	I.O.S.R. Journal of Mathematics	vol.11,Issue.5,ver.5,pp 15-19	Sep-Oct 2015	2278-5728	I, Referred Journal I.F.=1.759

15	A Certain Sub Class Of Meromorphic Starlike Functions With Alternating Coefficients	International Journal of Applied Computational Science and Mathematics	Vol.5,No.1 pp.136-143	2015	2249-3042	I, Referred Journal
16	Nutral Functional Differential Equations.	Vision Research Journal For Pure Science.	Vol.II,Issue-III,pp.44-50	July 2014-Dec. 2014	2348-7976	International
17	Extension of Solution of Nonlinear Second Order Ordinary D.Es.	Weekly Science Research Journal	Vol.2 Issue-39	9 th April 2015	2321-7871	International I.F.=1.421 0
18	Qualitative Analysis of Nonlinear Second Order Ordinary D.Es.	Weekly Science Research Journal	Vol.2 Issue-41	23rd April 2015	2321-7871	International I.F.=1.421 0
19	Initial Value Problems	Hi-Tech Research Analysis	Vol.III Issue-IX,pp.1-10	Feb. 2015to July 2015	2331-6671	International
20	Attractivity Results For Fractional Order Nonlinear Random Integral Equation.	International Journal Of Scientific and Innovative Mathematical Research	Vol.3, Issue 2, ,pp.546-557	July. 2015	2347-307X	International I.F.=4.433
21	Fuzzy Linear Programming Techniques	Journal of Global Research in Mathematical Archives	Vol.2,No.09 15-20.	Sept 2014	2320-5822	I, Referred Journal
22	On A Sub Class Of Meromorphic Starlike Functions With	International Journal of Research Mathematics A...	Vol.5,No.1 pp.136-143	2015	-	I, Referred Journal

	Alternating Coefficients					
23	Role of Laplace Transforms In Integral Calculus	International Journal of Mathematical Archives		July 2015		I, Referred Journal I.F.=4.09
24	On Certain Sub Class Of Meromorphic Starlike Functions Associated With Certain Integral Operators	Mathematical Sciences International Research Journal...	Vol.4,Issu.2 pp.136-143	2015	2278-8697, and ISBN 978-93-84124-53-3	I, Referred Journal
25	Dynamical Behavior In Discrete Two Spaces Predator Prey System	Mathematical Sciences International Research Journal...	Vol.4,Issu.2 pp.45-49	2015	2278-8697,	I, Referred Journal
26	A New Sub Class Of Analytic Functions Defined By A differential Operator	Asian Journal of Mathematics & Computer Research	Vol. 11(3),pp 208-211	2016	2395-4213	I, Referred Journal
27	Existence Theory For First Order Nonlinear Random Differential Equation I	International Journal of Engineering Science Invention	Issue.9,ver.9 ,pp 34-37	Sept. 2016	2319-6734	I, Referred Journal I.F.=
28	On A Certain Sub Class Of Starlike Functions.	Paripex- Indian Journal Of Research	Issue:10,Volume:5,pp:218-227	Oct 2016	2250-1991	I, Referred Journal I.F.=5.215
29	Contribution of Some Integral Transforms in Solving Ordinary Differential Equations	International Journal of Mathematical Archives	7(12),pp:1-3	Dec 2016	2229-5046	I, Referred Journal I.F.=
30	Similarity and Comparison of Sumudu Transform With Elzaki Transform	International Journal of Mathematical	8(3),pp:66-69	March 2017	2229-5046	I, Referred Journal

	in Solving Ordinary Differential Equations With Variable Coefficients	Archives				I.F.=
31	Cryptography by Applying SUMUDU Transform to Trigonometric Sine Function	International Journal of Mathematical Archives	8(5).pp:60-64	24 may 2017	2229-5046	
32	Study of Some Special Functions Usefully Fractional Calculus	International Conference On Applied Science (ICAS-17)	Proceeding	26 <sup>th</sup> – 27 <sup>th</sup> Dec, 2017	2319-8648	I.F.2.143
33	A New Subclass of Meromorphic Univalent Functions with Positive Coefficient Defined by Linear Operator	International Journal of Mathematics Trends and Technology (IJMTT)	62 No (3)	Oct 2018	-	-
34	A New Subclass of Meromorphic Functions Involving the Polylogarithm Function	International Journal of Engineering, Science and Mathematics	Vol. 7 Issue 12,	Dec 2018	2320-0294	I.F. 6.238
35	Adomian Decomposition Method for Solving Non Liner Three variable, Parabolic Fractional Partial Differential Equation	IJRAR	Vol. 6 Issue1	Feb 2019	E 2348-1269 P 2349-5138	-
36	Numerical Solution of Time Fractional Water Flow Equation and Applications	JETIR	Vol 6 Issue 2	Feb 2019	ISSN2349-5162	-
37	Note on Integral Transform of Fractional Calculus	International journal of Research and	Vol. 06,Issue2	Feb 2019	E 2349-9788 P 2454-	-

		Review			2237	
38	Study of Mathematical Modeling Using Fractional Calculus	AJANTA	Vol 8 Issue 1	March -2019	2277-5730	IF 5.5
39	Contribution of LAPLACE Transform in Cryptography	International Journal of Mathematical Archives	10(7) 32-36	July 2019	2229-5046	-
40	Study of Derivatives And Integral of Fractional Order with their Application	National conference on Recent Advances in physical and Mathematical Science	Issue 66	18 Jan 2020	2349-638x	IF 6.293
41	Subclass of Meromorphic Functions with positive coefficients involving Polylogarithm Function	Jnanabha	Vol. 50(1),2020	13 April 2020	[134-143]	-
42	Subclass of Meromorphic Functions with positive coefficients involving Polylogarithm Function	Jnanabha	Vol. 50(1),2020	13 April 2020	[138-147]	-
43	On A Certain Subclass of Analytic Functions Defined by A Differential Operator	Malaya Journal of Matematik	Vol.08,No.2	2020	[576-580]	-
44	Integral Operator Defined by Polylogarithm Function for Certain Subclass of Analytic Function	GANITA	Vol.70 (1)2020	2020	[105-113]	

45	A New Subclass of Analytic Functions Defined by Linear Operator	Scientific Journal	9(2020)no.1	2020	1857-8365 [205-217]	-
46	On A Certain Subclass of Meromorphically Uniformly Convex Functions at Infinity	Scientific Journal	9(2020)no.3	2020	1857-8365 [773-785]	-
47	A Certain Subclass of Uniformly Convex Functions with Negative Coefficients Defined by Caputo's Fractional Calculus Operator	Journal of Fractional Calculus and Applications	Vol. 12(1),Jan 2021	Jan 2021	2090-5858 [172-183]	-
48	Study of Fractional Operators and Its Applications	IJRAR,Volume 6,Issue 2,June	2348-1269	2019		UGC Care Listed
49	Subclass of Meromorphic Univalent Functions with positive coefficients Defined by Linear Operator.	GANITA	Vol.70 (2),2020, P.263-272	2020	0046-5402.	UGC Care Listed
50	On a class of Meromorphic Functions with positive coefficients involving Polylogarithm Functions	Liberts Mathematica(ne w series),	Volume 39(2019), No 2,P.45-57	2019	2182-567X	UGC Care Listed
51	Fractional Order Explicit Finite Difference Scheme For Time Fractional Randon Diffusion Equation in Charcoal Medium	J.Math.Comput. Sci.X(XXXX),	No. X.,X-X,Dec.10,2 020	2020	1927-5307	Scopus UGC Listed

52	Fractional Order Explicit Approximation For Time Fractional Randon Diffusion Equation and Analytical Estimates Radon Diffusion In Air	Malaya Journal of Mathematik,	Vol.8,No.1,P. 490-496,2021	2021	2321-5666 (online)	UGC Care Listed
53	Computational and Analytical Measurement of Radon Concentration in Air Medium Using Implicit Finite Difference Scheme For Time Fractional Radon Diffusion Equation	Malaya Journal of Mathematik,	Vol.9,No.1,P. 1000-1005,2021	2021	2321-5666 (online)	UGC Listed
54	New Subclass of Meromorphic Functions Defined by Bessel Function	Journal of Informatics and Mathematical Sciences	Vol.12,No. 3, PP.189-198,2020	2020	0975-5748 (online)	UGC Care Listed
55	Properties For Some Subclass of Meromorphic Functions Defined by Bessel Function	Silesian J.Pure Appl.Math.	Vol.10 ,(2020), PP.1-13	2020	2719-7913 (online).	UGC Care Listed
56	Certain Subclass of Meromorphic Functions With Positive Coefficient Defined by Bessel Function	Communications in Advanced Mathematical Sciences,	Vol.III,No.3, PP.124-129,2020	2020	2651-4001 (online)	UGC Care Listed
57	On A Certain Subclass of Analytic Functions	Malaya Journal of Mathematik,	Vol.8,No.2, PP.576-	2020	2321-5666 (online)	UGC Listed

	Defined by Differential Opearator		580, (2020)			
58	A Certain Subclass of Uniformly Convex Functions With Negative coefficients Defined by Caputos Fractional Calculus Operator.	Journal of Fractional Calculus and Applications	Vol.12,No. 1, PP.172-183,Jan. 2021	2021	2090-5858	UGC Care Listed
59	A Certain Subclass of Meromorphic Functions with positive coefficients .	Palestine Journal of Mathematics	Vol.10 (2),2021, PP.685-693	2021	2219-5688 (Online).	Scopus UGC Care Listed
60	On a New Subclass of Analytic Functions Involving Komatu Integral Operator	Journal of Fractional Calculus and Applications .	Vol.12 (1),Jan.2021, PP.69-75	2021	2090-5858	UGC Care Listed
61	A New Subclass of Analytic Functions Associated With Rapid Operator	Stochastic Modeling and Applications,	Vol.24,No.2 ,Jul-Dec.. 2020, PP.141-148	2020	0972-3641	UGC Care Listed
62	A Note On Meromorphic Functions With Positive Coefficient Associated with Bessel Function	Malaya Journal of Mathematik,	Vol.8,No.4, PP.1622-1628 (2020)		2321-5666 (online)	UGC Listed
63	On a Subclass of Meromorphic Functions with positive coefficients .	Malaya Journal of Mathematik,	Vol.9,No.1, PP.850-854 (2021)	2021	2321-5666 (online)	UGC Listed

64	A Certain Subclass Of Uniformly Convex Functions Defined by Lambda Operator.	Stochastic Modeling and Applications,	Vol.25,No.1 ,Jan-Jun. 2021,PP.09-19	2021	1927-5307	UGC Care Listed
65	Some Applications of Uniformly Convex Functions With Negative coefficients Defined by Fractional Calculus Operator.	Stochastic Modeling and Applications,	Vol.25,No.1 ,Jan-Jun. 2021,P.21-33	2021	0972-3641	UGC Care Listed
66	Properties of Certain Class of Meromorphic Functions with positive coefficients involving Polylogarithm Function	Jnanabha	Vol.51(1), 2021, PP.1-10	2021	2455-7463	UGC Care Listed
67	Fractional Order Explicit Finite Difference Scheme For Time Fractional Randon Diffusion Equation in Charcoal Medium	J.Math.Comput. Sci.	X(XXXX),No ..X.,X-X,Dec.10,2020	2020	0975-5748 (online)	UGC Listed
68	Fractional Order Explicit Approximation For Time Fractional Randon Diffusion Equation and Analytical Estimates Radon Diffusion In Air	Malaya Journal of Mathematik,	Vol.8,No.1,P. 490-496,2021	2021	2719-7913 (online).	UGC Listed
69	Computational and Analytical Measurement of Radon Concentration in Air Medium Using Implicit Finite Difference Scheme For Time	Malaya Journal of Mathematik,	Vol.9,No.1,P. 1000-1005,2021	2021	2651-4001 (online)	UGC Listed

	Fractional Radon Diffusion Equation					
70	New Subclass of Meromorphic Functions Defined by Bessel Function	Journal of Informatics and Mathematical Sciences	Vol.12,No. 3, PP.189-198,2020	2020	2321-5666 (online)	UGC Care Listed
71	Properties For Some Subclass of Meromorphic Functions Defined by Bessel Function	Silesian J.Pure Appl.Math.	Vol.10 ,(2020), PP.1-13	2020	2090-5858	UGC Care Listed
72	Certain Subclass of Meromorphic Functions With Positive Coefficient Defined by Bessel Function	Communications in Advanced Mathematical Sciences,	Vol.III,No.3, PP.124-129,2020	2020	2219-5688 (Online).	UGC Care Listed
73	On A Certain Subclass of Analytic Functions Defined by Differential Opearator	Malaya Journal of Mathematik,	Vol.8,No.2, PP.576-580, (2020)	2020	2090-5858	UGC Listed
74	A Certain Subclass of Uniformly Convex Functions With Negative coefficients Defined by Caputos Fractional Calculus Operator.	Journal of Fractional Calculus and Applications	Vol.12,No. 1, PP.172-183,Jan. 2021	2021	0972-3641	UGC Care Listed

75	A Certain Subclass of Meromorphic Functions with positive coefficients .	Palestine Journal of Mathematics	Vol.10 (2),2021, PP.685-693	2021	2321-5666 (online)	UGC Care Listed
76	On a New Subclass of Analytic Functions Involving Komatu Integral Operator	Journal of Fractional Calculus and Applications .	Vol.12 (1),Jan.2021, PP.69-75	2021	2321-5666 (online)	UGC Care Listed
77	A New Subclass of Analytic Functions Associated With Rapid Operator	Stochastic Modeling and Applications,	Vol.24,No.2 ,Jul-Dec.. 2020, PP.141-148	2020	0972-3641	UGC Care Listed
78	A Note On Meromorphic Functions With Positive Coefficient Associated with Bessel Function	Malaya Journal of Mathematik,	Vol.8,No.4, PP.1622-1628 (2020)	2020	0972-3641	UGC Listed
79	On a Subclass of Meromorphic Functions with positive coefficients .	Malaya Journal of Mathematik,	Vol.9,No.1, PP.850-854 (2021)	2021	2455-7463	UGC Listed
80	A Certain Subclass Of Uniformly Convex Functions Defined by Lambda Operator.	Stochastic Modeling and Applications,	Vol.25,No.1 ,Jan-Jun. 2021,PP.09-19	2021	1927-5307	UGC Care Listed
81	Some Applications of Uniformly Convex Functions With Negative coefficients Defined by Fractional Calculus Operator.	Stochastic Modeling and Applications,	Vol.25,No.1 ,Jan-Jun. 2021,P.21-33	2021	2321-5666 (online)	UGC Care Listed
	Subclass of Meromorphic	Jnanabha	Vol.51(1),	2021	2321-5666	UGC

82	Functions with positive coefficients involving Polylogarithm Function		2021, PP.1-10, 2021		(online)	Care Listed
83	Some Results and Applications on Conformable Fractional Kamal Transform	J.Math. Comput.Sci.	11(2021), No.5, 6581- 6598, June.24, 2021	2022	0972-6306	Scopus Index Listed
84	Some Results on Modified Conformable Fractional Differential Equations	GANITA,	Vol.71(2) , 2021, P. 63-72	2022	2194-100	UGC Care-Listed
85	Properties of Certain Class of Meromorphic Functions with Positive Coefficients Involving Polylogarithm function	Jnanabha,	Vol.51(1) ,2021, PP. 25-33	2022	972-775	UGC Care-Listed
86	Certain Subclass of Meromorphic Functions Involving Bessel Operator	Acta Universitatis Apulensis	Vol. No. 65, PP.1-12, 2021	2022	ISSN— <b>2278686</b> 4VOL.46, Issue 3, No .4,July- sept.2022	UGC Care Listed
87	Comparative Analysis of Radon Concentration in Air and Charcoal Medium through	Science, Technology and Development Journal.	Vol. X (XII), PP.104- 112, 2021	2022	ISSN— <b>1310-6600</b> Vol. 48, Number	Peer – Reviewed

	Time Fractional Radon Diffusion Equation.t				1-2,2022	
88	Komatu Integral Operator Related to Analytic Functions	Stochastic Modeling and Applications,	Vol.26, No.1,PP.9 1- 102,2022	2022	0972-0502	UGC Care Listed
89	A New Subclass of Meromorphic Functions Associated with Rapid Operator	Stochastic Modeling and Applications,	Vol.25, No. 2,PP. 289- 298, 2021	2022		UGC Care Listed
90	Applications Of Meromorphic Functions With Positive Coefficient Associated With Rafid Operator	Mukt Shabd Journal,	Vol XII, Issue VII, July 2023, pp. 1469- 1479	2023	2347-3150	UGC Care Listed
91	Certain subclass of analytic functions with negative coefficients defined by KOMATU integral operator	Advance in Mathematics: Scientific Journal	Vol.12(2023 ), No. 9, 835-849	2023	1857-8438	UGC Care Listed
92	Solving system of fractional differential equations by modified fractional differential transform method with adomian polynomials	Journal of Interdisciplinary Mathematics.	Vol. 27(2024), No.1,PP. 17- 32	2023	0972-0502	UGC Care Listed
93	Solving Nonlinear Time-Fractional Partial Differential Equations using Conformable fractional reduced differential transform with Adomian Decomposition method	Contemporary Mathematics	Vol.5, no. 1, 2024, pp. 853-872	2023	2705-1064	UGC Care Listed

➤ Research Projects:

Title of the Project	Name of the Funding agency	Amount sanctioned	Duration of the period
Some Studies in Nonlinear Random Initial Value Problems of Ordinary Differential Equations	UGC	1,80,000/-	2 Years
Existence Theory for First Order Functional Random Differential Equations	UGC	1,87,886/-	27-30, May 2015 at Atlanta

➤ **Number of research students working/awarded.**  
**(Awarded = 11, Working = 07)**

Sr. No.	Name of the Student	Topic of Research	Date of Registration	Date of Award
1.	Bhosale Meghana Kashinath	Nonlinear Higher Order Functional Random Differential Equations .	29/10/2012	21/03/2016
2.	Bidarkar Sunil Narsing	Extension of Solution to Some Nonlinear Differential Equations.	28/12/2012	11/05/2016
3.	Kausadikar Alka Shivanandrao	Qualitative Analysis of Nonlinear Differential Equations	28/12/2012	07/07/2016
4.	Mr. Vangala Srinivas Pattabiramulu	A Study on Some Subclasses of Univalent Analytic Functions In the Unit Disc	09/12/2014	07/11/2017
5	Mr. Undegaonkar Hemant Kishanrao	Study of Some Integral transforms and their Applications	09/12/2014	22/01/2018

6	Mr. Popade Santosh Maheshwar	Study of Some partial Differential Equations Through Analytical And Numerical Methods	09/12/2014	16/09/2021
7	Mr. Gacche Kuldeepak Brahmaji	Study of some fixed point theorems With Applications in Various fields	09/12/2014	Registration Cancelled-
8	Mr. Nakade Santosh Vishwanathrao	On Study of Fractional Calculus and its Application	09/12/2014	12/03/2022
9	Mrs. Lathkar Seema Vilas	On Some Numerical Techniques for solving Integer and Non-integer Order Differential Equations	22/11/2017	12/01/2024
10	Mr. Sadegaonkar Sunil Dattatray	On Some Iterative Methods for Fractional Differential Equations	22/11/2017	29/06/2022
11	Mrs. Shinde Akansha Sampat	Study of Fractional Diffusion – Wave Equations and Its Applications	22/11/2017	08/09/2021
12	Mir. Sarikonda Sreelakshmi	Certain Subclasses of Univalent and Multivalent Functions In the Unit Disc	27/04/2019	26/12/2022
13	Mr. Teppawar Rajesh Sayanna	Different Method's for Solving Fractional Differential Equations and Their Applications	27/04/2019	Thesis Submitted-
14	Mr. Deshmukh K. C.	Study on Coefficient Bounds of Certain Univalent Functions with Negative Coefficients	12/07/2021	-
15	Mr. Yadav Saiganesh Raju	Study of Fractional Differential Equations Using Transform Method	12/07/2021	-
16	Mr. Sukalwad Umesh R.	Study of Fractional Differential Equations with Boundary Value Problem	12/07/2021	-

17	Mr. Pawar Sandeep Madhavrao	Numerical study for systems of Fractional Differential Equations by various transform methods.	13/12/2022	-
18	Ku. Shital Babarap Jadhav	Study of various methods and integral transforms used to solve Fractional Differential Equations	13/12/2022	-
19	Mr. Sumit Deepak Bidwai		08/05/2023	-
20.	Mr. Aditya C. Lagad	A Study of Univalent Analytic Functions Associated with Distribution Series.	21/02/2024	

➤ **Details of Honors'/ Awards/Prizes received:**

**State Level Shikshak Ratna Nagri Puraskar, 2014 ,  
Mahatma Jyotiba Phule Shikshak Parishad, Maharashtra.**

**5. Teaching Experience**

Designation	Experience	Period from -----to-----	Total Experience
	Under Graduate	17 Oct 1994 to Till Date	29 Years
	Post Graduate	-	-
	Research Guidance	From 2011 to Till Date	12 Years
	Principal	05 Dec.2016 to 01 Feb.2021	4 Year 02 Months

**6. Administrative Experience**

<b>Designation</b>	<b>Course and Institute</b>	<b>Period from ----- --to-----</b>	<b>Total Experience</b>
Head of the Department of Mathematics	Under Graduate B.Sc. Course Bahirji Smarak Mahavidyalaya, Basmathnagar.	17 Oct 1994 to Till Date	29 Years
Research Supervisor	M.Phil. and Ph.D. S.R.T.M. University, Nanded	From 2011 to Till Date	12 Years
I/C Principal	Bahirji Smarak Mahavidyalaya, Basmathnagar	03 Aug. 2016 to 04 Dec. 2016	04 Months
Principal	Bahirji Smarak Mahavidyalaya, Basmathnagar	05 Dec.2016 to 01 Feb.2021	04 Year 02 Months

## 7. Professional Affiliations

- Life Member of Marathwada Mathematical Society, Aurangabad.
- Life member of Indian Mathematical Society.
- **Committees and Boards At the University Level:**  
(Board of Studies/Academic Council/ Senate/Management Council)
  - Member of the B.O.S. in Mathematics, 26<sup>th</sup> Dec 2017 , S.R.T.M.Universtiy Nanded.
  - Member of the Academic Council, 30<sup>th</sup> Oct 2017, S. R. T. M University, Nanded.
  - Member of Adviser Committee of N.S.S., 05<sup>th</sup> Oct 2017 , S. R. T. M University, Nanded.
  - Member of R.R.C. in Mathematics, 22<sup>nd</sup> Feb 2020, , S. R. T. M University, Nanded
  - Member of the Faculty of Science 02<sup>nd</sup> April-2012. S. R. T. M. University, Nanded.
  - Chairman of the Board of studies in Mathematics 02<sup>nd</sup> April-2012. S. R. T. M .University, Nanded.
  - Member of the B.U.T.R. 13 July 2012, S. R. T. M .University, Nanded.
  - Member of the R.R.C. 27 Sept. 2012, S. R. T. M. University, Nanded.
  - Member of the R.A.C., 19 Dec. 2012 , S. R. T. M University, Nanded.
  - Member of the 32(5), July 2012, S. R. T. M University, Nanded.
  - Member of the Academic Council, 09<sup>th</sup> July 2012, S. R. T. M University, Nanded.

- Member Ad hoc Board For School of Mathematical Sciences., S. R. T. M University, Nanded.
- Invitee B.O.S. Member of Dr.B.A.M.U. Aurangabad, 2014.

➤ **Research Experience (Give brief outline of research area):**

- The area of research is Nonlinear Analysis and Differential Equations.
- Recognition as PG teacher in Mathematics
- The Research started with my Ph.D topic entitled “On Some Nonlinear Functional Random Differential Equations Involving Discontinuities”, Completed in April 2006.
- From 2011 to till the day working as a research supervisor.10 Students are Awarded with PhD and 08 students are working under my supervision.
- 82 Research Papers are published in National and International Journals.
- 15 Papers Presented in National and International conferences.
- UGC Sanctioned Minor Research Project entitled “Some Studies in Nonlinear Random Initial Value Problems of Ordinary Differential Equations” with financial assistance of Rs. 1, 80,000/- and completed in 2017.
- UGC also sanctioned Travel Grants in aid of Rs. 1,87,886/- for presenting a paper in International conference on “Dynamic Systems and Applications” held during 27-30, May 2015 at Atlanta, Georgia, USA.
- Appointed as an Editor of International journal of universal Mathematics and mathematical sciences with ISSN 2454-7271, BMSD society, Latur.
- Working as RRC member of SRTMU, Nanded.
- Worked as a Refree of Thesis Evaluation Panel BAMU Aurangabad.
- Chairman of Viva voce examination of SRTMU Nanded.

➤ **Details of Seminar, Conference, Workshop, Symposia etc. attended.**

Seminar, Conference, Workshop, Symposia attended	Presented papers	Delivered keynote address	Chaired a Session
25	15	02	08

**Conference /Seminar/ Workshops.**

<b>Sr. No.</b>	<b>Name of the Meet</b>	<b>Dates</b>	<b>Venue</b>	<b>Presented Paper (Yes/No)</b>	<b>Level</b>
1.	National Symposium On Non-Linear Analysis And Applications To Real Word Problem's	21-24 Dec. 1994	Science College, Nanded	-	
2.	Seminar On 'Curricular Development And Restructuring Syllabus In Different Science Subjects.	19-20 Nov 1996	Nutan Mahavidyalaya sailu.	,	
3.	State Level Instructional Seminar On 'Recent Development In PG And UG Level Mathematics	9-10 Nov. 2000	Deogiri College Aurangabad	-	
4.	International Conference On 'Non-Linear Systems, Modelling, Simulation And Application 'At Science College Nanded.	26-29 Dec. 2000	Science College Nanded	-	
5.	Workshop on revised Syllabus & State level seminar on Recent Advances in Graduate and Post Graduate Mathematics and Effective Teaching	28-30 Aug 2003	Maulana Azad College,Aurangabad		
6.	Second International Conference On 'Non-Linear Systems, Modelling, Simulation And Application 'At Science College, Nanded.	19-22 Dec. 2006	Science College Nanded		
7.	State Level Conference on Developments in U.G and P.G. Mathematics with applications in various in various fields	2-3 Feb. 2009	P.E.S. college of Engineering Aurangabad		
8.	77 th Annual Conference of the I.M.S.	27-30,Dec.2011	S.R.T.M.University, Nanded		
9.	State Level Seminar on Recent Advances in Applied Mathematics	24-25,Febr.2012	Dayanand Science College,Latur.		
10.	Workshop On 'Revised Syllabus And State Level Seminar On	28-30 Aug.	Maulana Azad Nanded		

	‘Recent Advances In UG And PG Mathematics And Effective Teaching. At Science College Nanded.	2003			
11.	Workshop On ‘Recent Trends In Curriculum Of PG/UG Mathematics, Statistics.	7 Sept.2003	Science College Nanded		
12.	Workshop On “Pattern Of SET/NET Examinations In Mathematics,”	9-11 March2004	Science College Nanded		
13.	Workshop On New Trends In UGC Curriculum For UG Course In Mathematics.	11 July 2004	Sant Gadge Maharaj College, Loha		
14.	Regional Workshop on Mathematics Software.	16-18,Nov.2009.	Yeshwant College,Nanded		
15.	Workshop on New Syllabi in B.Sc. Mathematics	16,Oct. 2010	Mahatma Gandhi Maha.Ahmedpur		
16.	Regional Workshop in Mathematics	27-28,Dec.2010	Adarch College,Hingoli		
17.	State Level Workshop on Mathematical Software and Applications	10-11,March 2012.	Havagiswami College,Udgir		
18.	National Workshop on Soft Computing Techniques and Real Life Problems	27-28,Oct. 2012,	S.R.T.M.University,Nanded.		
19.	National Workshop on Mathematical Modeling of Uncertainty	27 th Nov.2012	S.R.T.M.University,Nanded.		
20.	National Level Workshop on Latex	22-23, April 2013	Science College, Nanded		
21.	Regional Workshop on Research Paper Writing and Presentation Skill	17 Sept. 2014	Science College Nanded		
22.	Awareness for Autonomy of College & NIRF	29 Feb 2020	S.R.T.M. University, Nanded		

- **Papers presented in Conference/ Seminar/ Workshops.**

Sr. No.	Title of Paper	Conference/ Seminar/ Workshop	Sponsoring Agency	Year
01	Existence Theory For a Dynamic System of First Order Functional Random Differential Equation	National Conference On Mathematical Analysis And Applications.	Z.B. Patil College, Dhule.	28-30 Nov.2011.
02	Existence Theory for Neutral Functional Random Differential Equations in Banach Algebras Involving Three Non-Linearities.	International Conference on Mathematical Sciences.	Shivaji Science College, Nagpur	28-31 Dec..2012
03	Second Order Nonlinear Functional Random Differential Equation.	National Conference On Recent Trends in Pure and Applied Mathematics	Science College, Nanded.	09-11 Jan.2014
04	“Existence of Extremal Random Solutions of Neutral Functional Random Differential Equations in Banach Algebras	International Conference On Recent Advances in Mathematics.	R. T. M. Nagpur University, Nagpur.	20-23 Jan.2014.
05	Existence Theory For Second Order Nonlinear Functional Random Differential Equation In Banach Algebra.	National Conference On Recent Advances in Mathematics	Deogiri College, Aurangabad	23-25 Dec. 2014.

06	Existence Theory For First Order Functional Random Differential Equations .	International Conference On Dynamic Systems and Applications.	MOREHOUSE College. Atlanta, Georgia, U.S.A.( (INVITED TALK)	May 27-30,2015
07	Functional Random Differential Equation In Banach Algebra	National Conference On Recent Trends in Mathematics, and Its Applications.	Mungsgagi Maharaj Mahavidyalaya,Darwa (INVITED TALK).	12-13, Sep.2015
08	First Order Functional Random Differential Equations	National Conference on Recent Advances in Mathematics	Mrs.K.S.K. Alias Kaku, college, Beed	21-23 Jan.2016
09	Existence Theory for First Order Nonlinear Random Differential Equation	National Conference on Recent Advances in Mathematical Sciences	S.G.B.Amaravati University, Amaravati	17-18 June 2016
10	Functional Random Differential Equations of First Order	International Conference on Algebra, Discrete Mathematics and Applications	Dr.B.A.M.University, Aurangabad	9-11 Dec. 2017
11	Analysis of system of fractional differential using shehu reduced differential transform with decomposition method	One Day National Conference on Envisioning Mathematics Education in line with NEP 2020	Mahatma Gandhi Mahavidyalaya, Ahmedpur	21th Dec 2023
12	Numerical solution to discretised space time model of fractional radon diffusion equation	<b>International Conference on analysis and its applications.</b>	Department of mathematics Jamia Millia Islamia, New Delhi, India	Jan-19-21, 2024
13	Workshop on Intellectual Property Rights.	Workshop on Intellectual Property Rights.	Bahirji Smarak Mahavidyalaya, Basmathnagar, Hingoli	2023

- **Chairpersons/Chief Guest/ Guest Lectures in Conference/ Seminar/ Workshops.**

Sr. No.	Chairpersons/Chief Guest/ Guest	Conference/ Seminar/	Sponsoring Agency	Year
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	<b>Lectures</b>	<b>Workshop/College</b>		
01	Chairperson.	National Conference On Mathematical Analysis And Applications.	Z.B. Patil College, Dhule.	28-30 Nov.2011.
02	Chairperson	National Conference On Recent Trade in Mathematics.	G.S.G.College, Umalkhed	21 Sept 2013
03	Chairperson	National Conference On Recent Trends in Pure and Applied Mathematics,	Science College, Nanded.	09-11 Jan.2014
04	Chairperson	National Conference On Recent Advances in Mathematics .	Deogiri College, Aurangabad.	23-25 Dec. 2014.
05	Chairperson	National Conference On Recent Trends in Mathematics and Its Applications.	Mungsagi Maharaj Mahavidyalaya,Darwa (INVITED TALK).	12-13, Sep.2015
06	Chairperson	National Conference On Recent Advances in Mathematics	K.S.K. Alias Kaku College, Beed	21 -23 Jan 2016
07	Chaired A Session	National Conference On Recent Advances in Mathematical Sciences	S.G.B.Amravati Uni., Amravati	17-18 Jun 2016
08	Chairperson	National Conference on A Glimpse of D.Es.in Science & Engineering	Sharadchandra College, Naigaon	8 Feb 2020

#### **Details of Seminar, Conference, Symposia,Workshop etc. organized**

	<b>State/ National/ International</b>	<b>Title</b>	<b>Duration</b>	<b>No. of Participants</b>	<b>Total Expenditure</b>
Seminar	-				

Conferences	02	1) Sahityatil Sambhaji Raje Vastav History	26 Nov 2017	81			62207/-
		2)One day Conference On Samkalin Hindi Sahitya Strichetna Rastri Sangothi	04 oct 2019	104			124294/-
Symposia	-	-	-	-	-	-	
Workshops	04	1) One day Workshop On Bsc III year Syllabus Structure (CBCS) Pattern in Mathmatics & Computer Science	04Aug 2017	77	-	-	42707/-
		2) One day Workshop On Bsc III year Syllabus Structure (CBCS) Pattern in Zoology	25 july2018	70	-	-	
		3) One day Workshop On Bsc III year Syllabus Structure (CBCS) Pattern in Physcis	25 july2018	71	-	-	100141/-
		4) One day Workshop On BA III year Syllabus Structure (CBCS) Pattern in Marathi	25 july2018	93	-	-	

### ➤ Participation in Corporate life

- a) College/University/Institute:
  - Worked as member of affiliation committees.
  - Worked as Subject Expert in Math. & also for CAS.
  - Worked as VC nominee.
  - Worked as member of PET Scrutiny Committee.
  - Worked as Chairman of Flying Squad of SRTMU, Nanded.
- b) Co-curricular activities:
  - Worked as organizing Committee member of National Workshops.

- Organized final level seminar competition of M.M.S. Aurangabad.
- Member Ad hoc Board For School of Mathematical Sciences. S. R. T. M University, Nanded
- Invitee B.O.S. Member of Dr. B.A.M.U. Aurangabad - 2014
- Evaluation Ph.D. Thesis Panel of Dr. B .A .M. U. Aurangabad - 2015
- Invitation as expert for M. Phil. Students Viva Voce 20 May 2015 S. R. T. M University, Nanded
- Appointed as a Chairman of Ph.D. Viva-Voce Exam. of S. R. T. M University, Nanded, - 05 Nov 2014
- Delivered a talk as chief guest of MMS, Aurangabad Seminar Competition organized by various colleges.
- Delivered a talk as chief guest of M.M.C. (Madhava mathematics competition) at S. R.T.M. Nanded.
- Delivered guest lecturer in Mathematics at many colleges.
- Conducted workshop, Seminar, conferences and competition.

## 9 Skills (for Research Methodology or Technical Skill)

- To identifying and designing appropriate research procedures, understanding the limitations and scope of research method.
- Main basic research skills adopted attention to detail, time management and problem solving.
- Analysis of information for different sources.
- Practical programming by using mathematical software such as MATLAB, Scilab and Mathematica.

**Dr. Rajkumar Namdevrao Ingle**  
**Head & Prof.**  
**Bahirji Smarak Mahavidyalaya,**  
**Basmathnagar Dist. Hingoli,**  
**Maharashtra**