

JSPM'S  
**Shivaji Mahavidyalaya, Renapur**  
Dist. Latur



**Bio-Data**



**I. GENERAL INFORMATION:**

A	<b>Full name (In capital letters), with initials expanded, as in official records</b>	Dr. RAUT DNYANESHWAR KUNDLIK
B	<b>Date of Birth</b>	19/08/1983
C	<b>Present Post</b>	Assistant Professor & Head of Department
	<b>Designation and Grade</b>	Assistant Professor
	<b>Date from which held</b>	30/04/2015
	<b>Name of the Department</b>	Mathematics
D	<b>Address for communication</b>	Shivaji Mahavidyalaya, Renapur, Dist. Latur (Maharashtra)- 413527
E	<b>E-mail ID</b>	<a href="mailto:dkraut1983@gmail.com">dkraut1983@gmail.com</a>
F	<b>Telephone numbers for contact including STD code</b>	-
	<b>Office</b>	02382-233333
	<b>Residence</b>	9970133259
	<b>Mobile</b>	9970133259
G	<b>The languages (including Indian) that the applicant is able to read, write and speak fluently.</b>	Marathi, Hindi and English

## II. ESSENTIAL QUALIFICATIONS AND EXPERIENCES:

### 1. Educational qualifications:

Examination / Degree	Board / University	Institute	Subjects / Specialization	Year of Passing	Division / CGPA	Marks in %
Secondary	Pune Divisional Board	Pravara Madhyamik Vidyalaya, Adgaon	Eng, Hin, Mar, Maths, Science, Social Sci,	1999	First	66.53%
Higher Secondary	Pune Divisional Board	PVP College, Loni	Eng, Mar, Maths, Phy, Chem, Bio.,	2001	First	63.50%
Graduation	Pune University, Pune	PVP College, Loni	Mathematics	2004	Distinction	75.05%
Post-Graduation	Pune University, Pune	Dept. of Mathematics, University of Pune	Mathematics	2006	A	6.90 GPA
Ph.D.	S.R.T.M. University, Nanded	S.R.T.M. University, Nanded	Mathematics	2022	-	Awarded
SET	Savitribai Phule Pune University & UGC	Savitribai Phule Pune University	Mathematical Sciences	Sept. 2009	Qualified	

### 2. Experience in the field of Higher Education

University / Institution*	Post	From	To	Total (in years and months)
Shivaji Mahavidyalaya, Renapur	Assistant Professor	30/04/2015	Till date	07 Y & 09 Months
<b>Total Experience (UG): 08 years</b>				

### 3. Details of research publications / Book.

#### 3.1 Research publications in peer-reviewed / referred national / international research journals.

Sr. No.	Title of the publication	Name of the national / international journal	Month and year of publication
1.	An Approach to Riemannian Geometry with in Conformable Fractional Derivative.	Prespace-time ISSN: 2153-8301	2018
2.	Numerical Solution of Fractional Order Mathematical Model of Drug Resistant Tuberculosis with two line Treatment	J. Math. Comput.Sci. ISSN: 1927-5307	2020
3.	Analysis of Fractional Order Soil Moisture Diffusion	Advances in Mathematics	2020

	Equation for Heterogeneous and Homogeneous system	Scientific Journal. <b>ISSN: 1857-8365</b>	
4.	Fractal FRW Model Within Domain Wall	International Journal of Modern Physics A (world scientific publication) <b>ISSN: 1793-656X</b>	2020
5.	Analysis of Malaria Dynamics Using its Fractional Order Mathematical Model	J. Appl. Math & Informatics <b>ISSN: 2234-8417</b>	2020
6.	Einstein's Field Equations Within Conformable Fractional Derivative	Advances and Applications in Mathematical Sciences <b>ISSN: 0974-6803</b>	2020
7.	Numerical Solution of Time Fractional Differential Equations	J. Math. Comput. Sci <b>ISSN: 1927-5307</b>	2020
8.	Fractional-order mathematical model for analyzing impact of quarantine on transmission of COVID-19 in India	Mathematical Modeling and Computing <b>ISSN: 2415-3788</b>	2021
9.	FRW model with two fluid source in fractal cosmology	Pramana Journal of Physics (Springer) <b>ISSN: 0304-4289</b>	2022
10.	FRW cosmological models with quark and strange quark matters in fractal gravity	Modern Physics Letter A (World Scientific) <b>ISSN: 0217-7323</b>	2022
11.	Anisotropic behavior of perfect fluid in fractal cosmology	New Astronomy (Elsevier) <b>ISSN: 1384-1076</b>	2022

**4. International / National exposure through participation in workshops, seminars or conferences.**

Sr. No.	Title of Workshop / Seminar / Conference	Place	Month & Year
01	International conference on "Recent Advances in Theoretical and Computational Partial Differential Equations with Applications"	Punjab University, Chandigarh	05 <sup>th</sup> – 09 <sup>th</sup> December 2016
02	International conference on Mathematical Analysis and its Application	Dayanad Science College, Latur.	05-09 March 2017

<b>03</b>	International Conference on Novel Trends in Pure and Applied Mathematics.	Department of Mathematics University of Kerala, Thiruvnsnthapuram	22 <sup>nd</sup> -24 <sup>th</sup> January 2019
<b>04</b>	International e-Conference on Nonlinear Analysis and its Application	Dept. of Mathematics, Dayanand Science college. Latur	27-29 July 2020
<b>05</b>	International conference on Mathematical Sciences and its applications	School of Mathematical Sciences, SRTMU, Nanded	28-30 July 2022
<b>06</b>	National conference on Recent Advances in Mathematics	Yogeshwari Mahavidyalaya, Ambajogai (MS)	10-11 Feb. 2017
<b>07</b>	National Conference on Pure and Applied Mathematics	P.G. Department of Mathematics, Yogeshwari Mahavidyalaya Ambajogai	11-13 Jan. 2018
<b>08</b>	A Glimpse Of Differential Equations in Science and Engineering	Sharadchandra Arts, Commerce & Science College, Naigaon	08 <sup>th</sup> Feb. 2020
<b>09</b>	Recent Trends in Pure and Applied Mathematics	Department of Mathematics Arts , Science and Commerce College, Naldurg	1 <sup>st</sup> Feb. 2018
<b>10</b>	Fractional Calculus and its Applications	School of Mathematical Sciences, SRTMU Nanded	23 <sup>rd</sup> – 25 <sup>th</sup> March, 2017
	One Week National Workshop on different techniques for NET/SET/GATE in Mathematics	University Grants Commission School of Mathematical Sciences, SRTMU Nanded	05-12 May 2017
<b>11</b>	National Workshop on Recent Syllabi in Mathematics for SRTMUN(B.Sc.T.Y. CBCS, SEC, Practical)	Dayanad Science College, Latur	06 <sup>th</sup> August 2018
<b>12</b>	Recent Syllabi in Mathematics for SRTMUN	SRTMUN and Dayanand Science College ,Latur	30 <sup>th</sup> December 2015
<b>13</b>	One Day Workshop on B.Sc. Second year Syllabus Structure (C.B.C.S. Pattern) in Mathematics and Computer Science	SRTMUN and Bahirji Smarak Mahavidyalaya, Basmatnagar Dist-Hingoli (MS)	04 <sup>th</sup> Jan 2017

<b>14</b>	One Day Workshop Scope of New Syllabi of B.Sc. & M.SC. First Year Mathematics	SRTMUN and Digambarrao BinduArts, Commerce & Science College, Bhokar Dist- Nanded	1 <sup>st</sup> August 2019
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**Name & Signature**

Dr. Raut D. K.

Department of Mathematics