



### **Personal Profile**

**1. Name: Dr. Vinay Prabhakar Tripade**

**2. Designation: Head & Asst.Professor (CHB)**

**3. Department: Dept. of Mathematics**

**4. Qualifications:**

- **UG: B.Sc., B.Ed., PGDAST**
- **PG: M.Sc.-Mathematics**
- **NET/SET/Ph.D.: NET, SET, Ph.D.**

**5. Specialization / Area of Expertise: Relativity ( $f(R)$ ,  $f(R,T)$ ) Theory of Gravity**

**6. Teaching Experience:**

- **UG Level: 13 Years**

**7. Research Experience: 8 Years**

**9. Publications:**

• Research Papers in Journals: 13

Sr.	Name of Journal	Title of Paper
1	<i>International Journal of Scientific Engineering and Research (IJSER)</i> ” Volume 5 Issue 9, September 2017 pp-85-95 ,ISSN (Online): 2347-3878	<i>Some Five Dimensional Cylindrically Symmetric Interior Solutions for Perfect Fluid in <math>f(R)</math> Theory of Gravity.</i>
2	<i>International Journal of Mathematics Trends and Technology (IJMTT)</i> ” Volume 58 Issue 3 – June 2018 ,ISSN: 2231-5373	<i>Five Dimensional Cylindrically Symmetric Solutions and Energy Distribution in <math>f(R)</math> Gravity.</i>
3	<i>Journal of Emerging Technologies and Innovative Research (JETIR)</i> ”, Volume 6, Issue 6, june2019 ,ISSN-2349-5162	<i>Static cylindrically symmetric solutions with Wet Dark Fluid in <math>f(R)</math> gravity.</i>
4	<i>International Research Journal of Science &amp; Engineering (IRJSE)</i> ”, Special Issue A7, pp. 181-188 (2020), ISSN: 2322-0015	<i>Bianchi Type-V Cosmological Models in Presence of Quadratic Equation of State in <math>f(R)</math> Gravity.</i>
5	<i>International Journal of All Research Education and Scientific Methods (IJARESM)</i> ”, Volume9, Issue1, January-2021, ISSN: 2455-6211	<i>Bianchi Type-VI<sub>h</sub> Bulk Viscous String and Fluid Cosmological Models in <math>f(R)</math> Gravity.</i>
6	<i>International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)</i> ”, Volume: 03/Issue: 05/May-2021, e-ISSN: 2582-5208	<i>LRS Bianchi Type-I Cosmological Models with Quark and Strange Quark Matter in <math>f(R)</math> Gravity.</i>
7	<i>International Journal of Research Publication and Reviews (IJRPR)</i> ”, Volume3, No.2, February-2022, ISSN 2582-7421	<i>Non Static Plane Symmetric Cosmic Strings Cosmological Models in <math>f(R)</math> Theory of Gravity.</i>
8	<i>Global Journal of Engineering, Science &amp; Social Science Studies.</i> ” Volume09, Issue5, May 2023 ,ISSN-2394-3084	<i>Five Dimensional Static Spherical Symmetric Interior Solutions in <math>f(R)</math> Gravity.</i>
9	<i>International Journal of Current science (IJCS)</i> ” Volume 14 Issue 2 – May 2024, ISSN: 2250-1770	<i>Locally Rotationally Symmetric Bianchi Type-V Cosmological Model in <math>f(R,T)</math> Gravity Theory.</i>
10	<i>International Journal of Novel Research and Development(IJNRD)</i> ” Volume 9 Issue 5 – May 2024,	<i>Higher Dimensional Cylindrically Symmetric Solutions with Dust matter</i>

	ISSN: 2456-4184	and Energy Distribution in $f(R)$ Gravity
11	International Journal of Scientific Research & Engineering Trends." Volume 11, Issue 2, Mar-Apr-2025, ISSN (Online): 2395-566X	Bianchi Type-III Cosmological Model with Gravity base on Lyra Geometry.
12	International Journal of Science, Engineering and Technology." ISSN (Online): 2348-4098 ISSN (Print): 2395-4752	Plane Symmetric Cosmological Model and Quadratic Equations of State Solutions in $f(R,T)$ Gravity.
13	International Journal for Multidisciplinary Research (IJFMR), E-ISSN: 2582-2160	Five Dimensional Bianchi Type-V Cosmological Model in Presence of Barotropic Equation of State With Bulk Viscous String in Modified Theory of Gravity.

• Papers Presented in Conferences/Seminars: 05

Sr.	Sponsored & Organized by State/University	National	Title of Conference
1	Sant Gadge Baba Amravati University, Amravati during june 17-18, 2016.	1	National Conference on Recent Advances in Mathematical Sciences organized by the department of Mathematics
2	Shree Shivaji College, Rajura Dist. Chandrapur (GUG) 16 FEB 2019	1	National Conference on Recent Trends in Mathematics organized on 16 feb, 2019 at department of Mathematics
3	Nilkantrao .Sinde. College Bhadravati Dist. Chandrapur. (GUG) 07 FEB 2020	1	National Conference on Recent Trends in Mathematical, Physical, Chemical, and Library & Life Sciences
4	RTM Nagpur University, Nagpur 13-16 Feb 2020	1	International Conference on Advances in Physical, Chemical & Mathematical Sciences
5	KDK college of Engineering, Nagpur (RTM Nagpur University) 14-15 Dec 2018	0	International Conference on Multidimensional Role of Basic Science in Advanced Technology
6	Sponsored by SERB & CSIR, Organized by GLA University, Mathura.	1	International Conference on Gravitation, Astrophysics and Cosmology (ICGAC-2024)
<b>Total</b>		<b>5</b>	

• **Books / Chapters Written: 02**

Sr.	TITLE	AUTHORS	ISSN/ISBN NO.	PUBLISHER
1.	<i>INTEGRAL CALCULUS (NEP-20)  B.Sc-sem-II</i>	<i>Dr. Vinay Tripade Dr.Dnyaneshwar Warade Dr.Shailendra Deo Dr.Lalsingh Khalsa Dr.Ram Sisodiya Dr.Rahul Mapari Dr.Sheetal Gomkar Dr. W.K. Dange Dr.Priyanka Pathade Mr.R.K.Rajurkar</i>	<i>978-81-984896-3-0</i>	<i>Mrs. Pratibha Kale Das Ganu Prakashan (jan-2025)</i>
2.	<i>ORDINARY DIFFERENTIAL EQUATION (NEP-20)  B.Sc-sem-III</i>	<i>Dr. Vinay Tripade Dr.Dnyaneshwar Warade Dr.Shailendra Deo Dr.Lalsingh Khalsa Dr.Ravikant Mishra Dr.Renuka S.Namwad Dr.Chetana Bhongade Dr. W.K. Dange Dr.Priyanka Pathade Mr.R.K.Rajurkar Mr.T.S.Morey Mr.A.A.Ramteke Mr.Nagesh D. Dhore</i>	<i>978-81-984896-8-5</i>	<i>Mrs. Pratibha Kale Das Ganu Prakashan (Sept-2025)</i>

**10. Conferences / Seminars / Workshops Attended:**

- **National: 05**      • **International: 03**

**11. Administrative Experience:**

- 0 5 years

**12. Contact Details:**

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