

CURRICULUM-VITAE

Personal details:

1. **Name** : Mr. Dnyaneshwar Pralhad Tadas
2. **Designation** : Assistant Professor and Head
(Level-11, AGP-7000)
3. **Department** : Mathematics
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6. Educational Qualifications

Sr. No.	Name	University / Board	Year of Passing	Percentage & Grade	Specialization
i)	Bachelor of Science (B. Sc.)	Sant Gadge Baba Amravati University, Amravati	2009	54.07	Mathematics
ii)	Master of Science (M. Sc.)	Sant Gadge Baba Amravati University, Amravati	2011	63.33	Mathematics
iii)	GATE	IIT, Kharagpur	March-2014	AIR-351	Mathematics
iv)	NET	CSIR, New Delhi	May-2014	AIR-61	Mathematics
v)	SET	Savitribai Phule Pune University, Pune	June-2014	--	Mathematics
vi)	Doctor of Philosophy (Ph. D.)	Sant Gadge Baba Amravati University, Amravati	Pursuing	--	General Relativity and Cosmology

7. Faculty Development programs

Sr. No.	Name of the Course	Place	Duration	Name of Organizer
i)	37th Orientation Course	UGC-HRDC, Punjabi University, Patiala,	03/10/2018 to 30/10/2018	UGC
ii)	Online FDP on MOOC's	TLC Ramanujan College, Delhi	20/04/2020 to 06/05/2020	PMMNMTT, MHRD, Govt. of India
iii)	Online FDP on ICT Tool's	School of Mathematical Science, S.R.T.M. University, Nanded	27/04/2020 to 02/05/2020	S.R.T.M. University, Nanded
iv)	Online FDP on An Approach for Technical Skill Enhancement	IQAC, Toshniwal ACS College Sengaon	05/05/2020 to 10/05/2020	Toshniwal ACS College Sengaon
v)	Online FDP on LATEX	Dept. of Mathematics, V. P. College, Vaijapur	15/06/2020 to 21/06/2020	UGC-STRIDE
vi)	Online FDP on E-Content Development	Shri Shivaji College, Parbhani	31/08/2020 to 05/09/2020	UGC-PARAMARSH
vii)	Online STC on MATLAB	UGC-HRDC, JNT University, Hyderabad	12/10/2020 to 19/10/2020	UGC
viii)	Online Refresher Course in Mathematical Science	UGC-HRDC, University of Jammu, Jammu	04/01/2021 to 17/01/2021	UGC
ix)	Online STC on E-Content Development	UGC-HRDC, Gujarat University, Ahmedabad	08/02/2021 to 14/02/2021	UGC

8. a) Publications (Books/Journals)

Sr. No.	Title with page nos.	Type of Book and Edition	Publisher & ISSN/ ISBN No.
i)	Introductory Linear Algebra 282 Pages	Text Book, 3 rd Edition, December 2017 and 4 th Edition June 2019	Sonu Nilu, Einstein International Foundation Publication ISBN 978-818-8763-30-6
ii)	Abstract Volume on "Recent Advances in Mathematical Sciences (RAMS-2025)"	Abstract Book Volume, 10 th March 2025	Department of Mathematics, Toshniwal Arts, Commerce and Science College Sengaon, ISBN 978-933-4245-99-8

8. b) Research Publications (Journals)

- i) S. P. Hatkar, G. D. Karhale, **D. P. Tadas**, S. D. Katore, and D. D. Pawar, "**Homogeneous Hypersurface with Viscous Dark Energy in Lyra Geometry and $f(R,T)$ Gravity**," *Annals of Physics* **476**, 169959 (2025). <https://doi.org/10.1016/j.aop.2025.169959>
- ii) S. P. Hatkar, **D. P. Tadas**, and S. D. Katore, "**Domain Wall Bianchi Type V I0 Universe in $f(R,T)$ Gravity**," *Astrophysics*, **67**, 537–555 (2024). <https://doi.org/10.1007/s10511-025-09850-9>
- iii) S. P. Hatkar, **D. P. Tadas**, and S. D. Katore, "**Topological Defects in $f(T)$ Theory of Gravity**," *The European Physical Journal C*, **85**, 150 (2025). <https://doi.org/10.1140/epjc/s10052-025-13800-2>
- iv) S. P. Hatkar, **D. P. Tadas**, A. S. Agrawal, and S. D. Katore, "**Non-interacting String and Holographic Dark Energy Cosmological Models in $f(R)$ Theory of Gravitation**," *Bulgarian Journal of Physics*, **51**, 268-281 (2024). <https://doi.org/10.55318/bgjp.2024.51.3.268>
- v) S. P. Hatkar, **D. P. Tadas**, and S. D. Katore, "**Domain Wall and Holographic Dark Energy in $f(Q)$ Theory of Gravity**," *International Journal of Geometric Methods in Modern Physics*, **21**, 2440033 (2024). <https://doi.org/10.1142/S0219887824400334>
- vi) S. P. Hatkar, **D. P. Tadas**, and S. D. Katore, "**Accelerating Kaluza-Klein Universe in Modified Theory of Gravitation**," *Astrophysics*, **66**, 98–113 (2023). <https://doi.org/10.1007/s10511-023-09773-3>
- vii) A. Y. Shaikh, **D. P. Tadas**, and S. D. Katore, "**An Oscillating Holographic Dark Energy in $f(R)$ Gravity**," *Bulgarian Journal of Physics*, **50**, 190-205 (2023). <https://doi.org/10.55318/bgjp.2023.50.2.190>

9. Professional:

- "**Convenor**" of One Day National Conference on "**Recent Advances in Mathematical Sciences (RAMS-2025)**" organized by Department of Mathematics, Toshniwal Arts, Commerce and Science College Sengaon Dist. Hingoli held on 10th March 2025.
- "**Invited Talk**" on "**Career Opportunity After M. Sc. Mathematics**" held at G. S. Science, Arts and Commerce College, Khamgaon on dated as 22nd December, 2021.
- "**Resource Person**" as well as "**Chairperson**" in "**State Level Workshop on Preparation Strategies and Guidelines for P. G. Entrance Examination in Mathematics**" held at Brijlal Biyani Science College, Amravati on dated as 20-22 January, 2018.
- "**Resource Person**" in "**NET SET Workshop**" held at School of Mathematical Science, Swami Ramanand Teerth Marathwada University, Nanded on dated as 21st August, 2015.
- Performed "**Confidential Work**" for "**Chhattisgarh Public Service Commission, Raipur**" during 2015-16, 2016-17 and 2017-18.
- "**Worked as Expert**" in the Seminar Competition on the subject "**Measure and Integration Theory**" held at RDIK College, Badnera on dated as 14th March, 2015.
- Worked as "**Paper setter and Evaluation**" for UG as well as PG Level at Sant Gadge Baba Amravati University, Amravati during 2012 to 2015.
- "**Paper setter, evaluation and Moderation**" for UG level at Swami Ramanand Teerth Marathwada University, Nanded.

10. Paper Presentations:

- Paper entitled "*Non-interacting String and Holographic Dark Energy Cosmological Models in $f(R)$ Theory of Gravity*" presented during "**89th Annual Conference of The Indian Mathematical Society (IMS-2023)**" held at Dept. of Mathematics, BITS Pilani, Hyderabad Campus on dated as 22-25 December, 2023.
- Paper entitled "*An Oscillating Holographic Dark Energy in $f(R)$ Gravity*" presented during "**National Conference on Recent Trends in Physical & Mathematical Sciences (NCRTPM-2023)**" held at Narayanrao Kale Smruti Model College Karanja (Gh.) Dist. Wardha on dated as 05th April, 2023.
- Paper entitled "*Bianchi Type-VI₀ Space Time Domain Walls in Modified Theory of Gravitation*" presented during "**International Conference on Mathematical Sciences & Its Applications**" held at School of Mathematical Science, Swami Ramanand Teerth Marathwada University, Nanded on dated as 28-30 July, 2022.
- Paper entitled "*Kaluza-Klein Cosmological Model with Magnetized Strange Quark Matter in General Relativity and Modified Theory of Gravity*" presented during "**International Virtual Conference on Recent Trends in Mathematical Sciences**" held at S.P.M. Science & Gilani Arts, Commerce College Ghatanji Collaboration with P. N. College Pusad on dated as 29-30 October, 2021.
- Paper entitled "*Holographic Dark Energy Cosmological Model in Modified Theory of Gravitation*" presented during "**27th International Conference of International Academy of Physical Sciences on Advances in Relativity and Cosmology**" held at Dept. of Mathematics, BITS Pilani, Hyderabad Campus on dated as 26-28 October, 2021.
- Paper entitled "*Behaviour of Kaluza-Klein Cosmological Model in the presence Magnetized Strange Quark Matter*" presented during "**National e-Conference on Recent Advances in Mathematics**" held at Indira Gandhi Kala Mahavidyalaya, Ralegaon Collaboration with R. A. College, Washim on dated as 28th September, 2021.
- Paper entitled "*Magnetized Strange Quark Cosmological Model in Modified Theory of Gravitation*" presented during "**International Conference on Advances in Physical, Chemical & Mathematical Sciences**" held at Dept. of Mathematics, RTM University, Nagpur on dated as 13-16 February, 2020.
- Paper entitled "*LRS Bianchi Type-II Space Time in $f(R)$ Theory of Gravity*" presented during "**National Conference on Emerging Trends in Science**" held at Vidya Bharati Mahavidyalaya, Amravati on dated as 1-2 February, 2019.
- Paper entitled "*Domain walls cosmological model in modified theory of gravity*" presented during "**International Conference on Recent Trends in Science and Technology**" held at S. S. S. K. R. Innani Mahavidyalaya, Karanja (Lad) Dist. Washim on dated as 22-23 November, 2018.
- Paper entitled "*Bianchi type II, VIII and IX Space time with linear equation of state*" presented during "**National Conference on Recent Advances in Mathematics**" held at Department of Mathematics, S. G. B. A. University., Amravati on dated as 17-18 June, 2016.
- Paper entitled "*Hypersurface homogeneous space time in modified $f(R,T)$ theory of gravitation with linear equation of state*" presented during "**International Conference on General Relativity**" held at S. G. B. A. University., Amravati on dated as 25-28 November, 2015.

11. Conference/Workshop/Seminars Attended:

- "**National Workshop on Mathematical Software's and Its Applications**" held at Department of Mathematics, R. T. M. University, Nagpur on dated as 24-25 March, 2017.
- "**State Level Workshop on Number Theory**" held at Department of Mathematics, S. G. B. A. University, Amravati on dated as 15th October, 2016.
- "**National Conference on Recent Trends in Mathematics & Its Application**" held at Darwha, Dist. Yavatmal on dated as 12-13 September, 2015.
- "**University Level Research Oriented Workshop on Mathematics**" held on dated as 10-11 January, 2015.

- **“University Level Research Oriented Workshop for Mathematics Teachers and Research Students on Theory of Relativity”** held at Department of Mathematics, S. G. B. A. University, Amravati on dated as 9-10 February, 2013.
- **“University Level Research Oriented Workshop”** held at Department of Mathematics, S. G. B. A. University, Amravati on dated as 8th September, 2012.
- **“Sant Gadge Baba Amravati University Level Workshop on Mathematics Syllabi”** held at RDIK College, Badnera on dated as 15th March, 2012.
- **“Swami Ramanand Teerth Marathwada University Level Workshop on Mathematics Syllabi”** held during 2017, 2019, 2020 and 2021.
- **“Teacher’s Enrichment Workshop (Linear Algebra, Differential Equations and Its Applications)”** held at Department of Mathematics, BITS-Pilani, Hyderabad Campus from as 09-14 January, 2023.

12. Work Experience:

Sr. No.	Post held	UG/PG	Employer	Duration	
				From	To
01.	Assistant Professor	Under Graduate	Toshniwal Arts, Commerce and Science College Sengaoon, Dist. Hingoli.	27 April, 2015	Till date
02.	Assistant Professor (CHB)	Post Graduate	Post Graduate Teaching Department of Mathematics, S.G.B.A.U., Amravati.	01 July, 2012	31 December, 2012
				28 July, 2014	31 March, 2015

13. Position held (at college, university, state, national levels) and Professional Membership:

- ✓ Programme Officer, National Service Scheme, at the college level
- ✓ Programme Officer, MY BHARAT, MYAS, Govt. of India, at the college level
- ✓ Nodal Officer, NIRF, MHRD, Govt. of India, at the college level
- ✓ Nodal Officer, SHREYAS Program, MHRD, Govt. of India, at the college level
- ✓ Nodal Officer, ARIIA, MoE, Govt. of India, at the college level
- ✓ Life Member, Amravati Teachers Association, Amravati.
- ✓ Life Member, University Teachers Organisation (UTO), Nagpur.
- ✓ Member, National Knowledge Network Connectivity Cell, at the college level
- ✓ Member, Employee Welfare Committee, at the college level