



T. RENUKA DEVI

LECTURER IN MATHEMATICS

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PROFESSIONAL SNAPSHOT

Academic profile with a strong foundation in Mathematics, teaching experience across government degree colleges, research publications, academic-content development, and continuous professional development in mathematics, computational sciences, AI, and digital education.

PERSONAL DETAILS

Name	T. Renuka Devi
Date of Birth	24-04-1994
Current Position	Lecturer in Mathematics, P.R Government College (A), Kakinada

EDUCATIONAL QUALIFICATIONS

S.No	Course	Institution	Year	Specialization	% / Result
1	SSC	R C M ST Thereasas High School, Pedaboddepalli	2009	—	79%
2	Intermediate	Sri Vidya Junior College, Narsipatnam	2009–2011	MPC	90.6%
3	B.Sc.	Sri Sai Degree College, Narsipatnam	2011–2014	MPCs	90.2%
4	M.Sc.	Andhra University	2014–2016	Mathematics	83.8%
5	APSET	Andhra University	2016	Mathematics	Qualified
6	(Ph.D.)	Adikavi Nannaya University, Rajamahendravaram	2026–Present		Pursuing

PROFESSIONAL EXPERIENCE

Designation	Institution	Period of Service	Experience
Lecturer in Mathematics	K S N Government Degree College for Women, Ananthapuramu	22-06-2018 to 03-03-2024	6 Years
Lecturer in Mathematics	Y V N R Government Degree College, Kaikaluru	04-03-2024 to 07-07-2026	2 Years
Lecturer in Mathematics	P.R Government College (A), Kakinada	07-07-2026 to till date	Current

ACADEMIC ACHIEVEMENTS

- **GOLD MEDALIST** in M.Sc. Mathematics, Andhra University, Visakhapatnam.
- Secured **2nd RANK** in APRCET 2024–2025 in Mathematics.
- Served as a **State-Level Subject Expert for the CCE LMS**, contributing to academic content and subject-related activities during 2022 - 2025.
- Received **CERTIFICATE OF APPRECIATION** for services as **Content Developer and Master Trainer** in Analytical Skills by the Commissionerate of Collegiate Education, Andhra Pradesh.

RESEARCH / BOOK CHAPTER PUBLICATIONS

- **Vertex-derivation graphs on commutative rings: Structural properties and zero-divisor characterization**
Journal of Mathematical Problems, Equations and Statistics, 2026; 7(2): 39–44. E-ISSN: 2709-9407, P-ISSN: 2709-9393.
- **Lattice-based cryptography and post-quantum security: Algebraic number theory in the design of quantum-resistant cryptographic schemes** International Journal of Physics and Mathematics, 2026; 8(2): 134–142. E-ISSN: 2664-8644, P-ISSN: 2664-8636.
- **From Grids to Graphs: Hybrid Numerical Solvers for Differential and Integral Equations in CFD and Renewables** International Journal of Engineering Research-Online, Vol. 14, S1, January 2026. ISSN: 2321-7758.
- **Book chapter: Percentages, Profit & Loss** Book: Analytical Skills, Commissionerate of Collegiate Education, Govt. of AP. ISBN: 978-81-972999-8-8. Dated: 24/07/2024.
- **Book Chapter: DIGITALIZATION OF EDUCATION – GOVERNMENT INITIATIVES**
Research Culture Society and Publication. ISBN: 978-81-945388-0-6. March 2020.

ORIENTATION COURSES COMPLETED

- Two weeks Induction training programme for newly recruited lecturers — 13-08-2018 to 26-08-2018.
- Orientation Programme, UGC-HRDC Gujarat University — 27-07-2020 to 25-08-2020.

REFRESHER COURSES COMPLETED

- Two weeks Interdisciplinary Refresher Course in “Managing online classes and co-creating MOOCS: 2.0” — 18-05-2020 to 03-06-2020.
- Two-Week Interdisciplinary Refresher Course in “ADVANCED RESEARCH METHODOLOGY” by Teaching Learning Centre, Ramanujan College, University of Delhi — 27 October to 10 November 2022.
- RUSA sponsored online Refresher Course in Artificial Intelligence and Science, UGC HRDC, University of Mumbai — 17-07-2023 to 29-07-2023.
- UGC Sponsored Refresher Course in Mathematics and Computational Sciences, Department of Mathematics, School of Mathematical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon — 25/10/2023 to 07/11/2023.
- NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP), UGC — 03-01-2024 to 12-01-2024.

STC / FDP / TRAINING PROGRAMMES ATTENDED

- “The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop” organised by the Teaching Learning Centre (ICT) at IIT Bombay, under PMMMNMTT, MHRD, Govt. of India.
- One week orientation workshop on “OER, e-content development, MOOCs & MOODLE” — 26-10-2018 to 31-10-2018, E&ICT Academy, NIT Warangal.
- 53rd online short term course on e-content development — 11-06-2020 to 17-06-2020, UGC-HRDC Gujarat University.
- 5 Day Faculty Development Programme on Revised NAAC accreditation — 26-06-2020 to 30-06-2020.
- 5 day FDP in Mathematics on “New knowledge Pedagogical method New frontiers in Real Analysis, Abstract Algebra, Differential Equations and Calculus” — CCE, 13-07-2020 to 17-07-2020.
- 5 Day FDP in LMS, by CCE — 03-08-2020 to 07-08-2020.
- FDP on “SCILAB – A open source substitute for MatLab” by JNTUH College of Engineering, Sultanpur, Sangareddy — 25-05-2020 to 30-05-2020.
- FDP on “MOODLE” by JNTUH College of Engineering, Sultanpur, Sangareddy — 25-05-2020 to 30-05-2020.
- FDP on “Mathematical Foundations for Data Sciences” conducted by NITW — 11-03-2022 to 15-03-2022.
- “Five-Day Master Trainers Training Programmes (MTTP)” on content delivery and Assessment methods pertaining to Skill Courses for III semester — 26-09-2022 to 30-09-2022, CCE, A.P., Mangalagiri.
- Seven Days National online FDP on “Research Methodology: Analysis, Tools & Techniques” — 28-12-2022 to 03-01-2023, Theivanai Ammal College for Women (Autonomous), Villupuram.
- Three days Training Programme on Internship and LMS — 23-01-2023 to 25-01-2023, Nodal Resource Center, Govt College (Autonomous), Anantapuramu.
- Five-day online FDP on “Applications of Mathematics in Applied Sciences and Engineering” — 30-01-2023 to 03-02-2023.

- A Three-Day Online FDP on “Real Analysis” — 15-04-2023 to 17-04-2023, Vellore Institute of Technology, Chennai.
- 30 hours of online Facilitator Training Program on AI Fluency, Digital Productivity, and Employability Skills offered by Microsoft in collaboration with Andhra Pradesh Information Technology Academy — 18-12-2023 to 22-12-2023.
- 6-Day ToT on English medium of instruction — 12-06-2023 to 17-06-2023, Nodal Resource Centre, Government College (Autonomous) Ananthapuramu.
- “3 Day Residential Master Trainers Training Programme on Creative E-Content Generation” — 16-05-2024 to 18-05-2024, Faculty Development Academy–Rajahmundry.
- One week Online National Level FDP on “EXPLORING USE OF AI TOOLS FOR RESEARCH” — 29-07-2024 to 03-08-2024.
- One Week National Level Online FDP on Outcome Based Education and Application of Generative AI in Teaching and Research — 02-01-2025 to 11-01-2025.
- Seven Days FDP on “THE FUTURE OF TEACHING AND LEARNING THROUGH AI-INFUSED DIGITAL EDUCATION” — 19-05-2025 to 25-05-2025.
- One Week Professional Development Program on “Hands on Generative AI: Unlocking Creativity with LLMs” — 17-03-2025 to 22-03-2025.
- Online FDP in Applications of Artificial Intelligence in Humanities/Commerce & Management/Physical Sciences/Computer Science/Life Sciences — 23-02-2026 to 13-03-2026.
- Five-Day FDP on “Advanced Research Methodology with AI Tools for Academic Excellence” — 20-01-2026 to 24-01-2026.
- Three-Day National Hands-on Workshop (Online) on “Leveraging AI Tools in Mathematics” — 27-09-2026 to 29-09-2026, Department of Mathematics & VENKAT’S TIME CH.S.D.S.T. THERESA’S COLLEGE FOR WOMEN (A), ELURU.

MOOCS COMPLETED

- Successfully completed “Computational Mathematics with SageMath” in NPTEL-SWAYAM, offered by Indian Institute of Technology Madras. Duration: Jan–Apr 2023 (12 week course). No. of credits: 4.
- Successfully completed “RPFNet: An Introduction to Computer Networking for Teachers” offered by Raspberry Pi Foundation through edX — May 2024.
- Successfully completed “AI.HE.4: Higher education teaching in the age of AI” offered by StellenboschX, an online learning initiative of Stellenbosch University through edX — May 2024.

E-CONTENT GENERATION

- Developed 19 modules on Ring Theory and Vector Calculus in APCCE LMS.
- Developed 2 modules on Analytical Skills in APCCE LMS.

PROFESSIONAL STRENGTHS

Mathematics Teaching	Strong academic foundation with experience in undergraduate mathematics teaching.
Digital Education	Experience in LMS, e-content development, MOOCs, SCILAB and AI-enabled teaching.
Academic Development	Regular participation in refresher courses, FDPs, training programmes and research-methodology programmes.

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