

PROFILE



Name: Dr.Y.PRAROOPA

Designation: Asst. Professor, Dept. of Mathematics

Qualification: M.Sc M.Phil.Ph.D. B.Ed.,

Experience : 22Years

- ❖ 4Years (2001 - 2004) (as lecturer in ANUPG centre ,ONGOLE, Prakasam Dt .
- ❖ 2Years (2004 - 2006) (as lecturer .in Maris Stella College, Benz circle, Vijayawada
- ❖ 4 Years (2006 - 2010) (as Assistant Professor in Andhra Loyola .College, Vijayawada
- ❖ 10 Years (2010 - 2020) (as Associate Professor in Andhra Loyola Institute of engineering & Technology ,.Vijayawada
- ❖ 2 Years (2022 - 2024) Online teaching for B.Sc,B.Tech Mathematics at Urban Pro,teachon...etc
- ❖ 1 Year (2025- till date)as Assistant Professor in SDMSMK Degree college ,Labbipet,.Vijayawada

:E-mail id praroopaphd@gmail.com .

drpraroopay@siddharthamahila.ac.in

Scopus Id : **ORCID0000-0003-0283-0588**

<https://orcid.org/0000-0003-0283-0588?lang=en>

Academic Profile

COURSE	NAME OF THE INSTITUTION	YEAR OF PASSING/awarded	PERCENTAGE OF MARKS
Ph.D	Acharya Nagarjuna University Guntur	2012	A
M.Phil	Madhurai Kamaraj University	2002	75
B.Ed	Acharya Nagarjuna University Guntur	2008	85

PG-M.Sc Mathematics	ANU PG Centre, ONGOLE	March,2000	66
UG.B.Sc-M-P.CS	DS Govt Degree College for women, ONGOLE	March1998	82
-Intermediate M.P.C	VVM Jr college ONGOLE,Board of Intermediate Education AP	March1995	85
10 th Class -SSC	H.C.M.Girls High school, ONGOLE	March1993	86

Teaching Experience & Research experience : 22 Years

	Institute / Organization	Position held	Date of joining	Duration in years
<u>1.</u>	ANDHRA LOYOLA INSTITUTE OF ENGG & TECH,VIJAYAWADA	ASSOCIATE PROFESSOR,Ratified by JNTUK,Dept. of Science & Humanities (Mathematics)	1Aug2010 to Mar 2020	<u>10</u>
2.	ANDHRA LOYOLA COLLEGE ,VIJAYAWADA	LECTURER in Mathematics	JUNE 2006to30 April 2010	4
3.	MARIS STELLA COLLEGE,VIJAYAWADA	LECTURER (PG&UG) in Mathematics	JUNE 2004to30 April 2006	2
4.	Acharya Nagarjuna University PG CENTRE,ONGOLE	LECTURER in Mathematics	JUNE 2001 to 30 April 2004	<u>4</u>

Achievements

- In the year 2014, ratified as Associate Professor from JNTUK
- 34 Research Publications in various National & International journals & peer-reviewed journals.

:Subjects Handled

- ✓ Engineering Mathematics I ,II&III
- ✓ Differential Equations
- ✓ Mathematical Foundations of Computer Science
- ✓ Operation Research

- ✓ Linear Programming
- ✓ Real Analysis
- ✓ Abstract Algebra
- ✓ Ring Theory
- ✓ Numerical Analysis
- ✓ Advanced Numerical Methods
- ✓ Laplace Transforms
- ✓ Graph theory
- ✓ Linear Algebra
- ✓ Vector Calculus
- ✓ Multiple Integrals&Integral Transforms
- ✓ Number Theory
- ✓ Numerical methods
- ✓ Discrete Mathematics
- ✓ Topology
- ✓ Computer Oriented & Numerical methods
- ✓ Algebra
- ✓ Non Commutative Rings

:Publications

1. "Boolean algebras and Pre A^* -Algebras", Acta Ciencia Indica, VolXXXIIM. No. 1,071(2006) pp71-76.
<https://pragatiprakashan.in/acta-ciencia-indica>
2. "Logic circuits and Gates in A^* -Algebra "Asian Journal of Applied Sciences,4(1): 89-96, 2011
<https://scialert.net/fulltext/?doi=ajaps.2011.89.96>
3. "Homomorphisms, Ideals and Congruence Relations on Pre A^* - Algebra", Global Journal of Mathematical Sciences: Theory and Practical. ISSN No 0974-3200 Volume 3, Number 2 (2011), pp. 111-125,May,2011
http://www.irphouse.com/gjms/GJMSv3n2_2.pdf
4. "Lattice in Pre A^* -Algebra", Asian Journal of Algebra, ISSN 1994-540XVolume4,Number1,1-11,2011
<https://scialert.net/abstract/?doi=aja.2011.1.11>
5. "Pre A^* -Algebras and Rings", International Journal of Computational Science and Mathematics.ISSN 0974- 3189 Volume 3, Number 2 (2011), pp. 161-172,2011
https://www.ripublication.com/irph/ijcsm/IJCSMv3n2_3.pdf
6. " Pre A^* -Algebra as a semilattice", Asian Journal of Algebra, Volume4,Number1,12-22, 2011
<https://scialert.net/abstract/?doi=aja.2011.12.22>
7. " Kinds of Pre A^* -Lattices",International Journal of Engineering Science&Innovative Technology, Volume 2,issue1, 400-412, Jan,2013 ISSN: 2319-5967
[www.ijesit.com/Volume%202/Issue 201/IJESIT201301_57.pdf](http://www.ijesit.com/Volume%202/Issue%201/IJESIT201301_57.pdf)
8. "Pre A^* -Homomorphism Asian Journal of Mathematics&Statistics, ISSN1994-5418,29-34, Feb,2014
<https://scialert.net/abstract/?doi=ajms.2014.29.34>

9. International Journal of Engineering Science and Innovative Technology
Volume 3, Issue 6, November 2014, ISSN: 2319-5967
“PRE A*-ALGEBRA AND CONGRUENCE RELATION”
http://www.ijesit.com/Volume%203/Issue%206/IJESIT201406_39.pdf
10. “PRE A*-ALGEBRA AND HOMOMORPHISM”, International Journal of Engineering Technology, Management and Applied Sciences, November 2014, Volume 2 Issue 6, ISSN 2349-4476.
www.ijetmas.com/admin/resources/project/paper/f201411181416296279.pdf
11. “Rings on Pre A*-Algebra”, Acta Ciencia Indica, . XLI M. No. 1, 09(2015), ISSN: 0970-0455 <https://pragati prakashan.in/acta-ciencia-indica>
12. “CONCEPTS OF LATTICE AND HOMOMORPHISM ON PRE A*-ALGEBRA”, International Journal of Scientific and Innovative Mathematical Research (IJSIMR), Volume 3, Issue 3, July 2015, PP 1103-1110, ISSN 2347-307X
13. “ On Differential equations ” in international journal of advanced research trends in engineering and technology ,ISSN 2394-3785 ,August 2017, Vol.4, issue 21, On differential equations
<https://ijartet.com/v4s21august2017spectrumsolutions>
14. International Journal of Engineering Science and Innovative Technology (IJESIT) ISSN: 2319-5967 Volume 3, Issue 6, November 2014 PRE A*-ALGEBRA AND CONGRUENCE RELATION
www.ijesit.com/Volume%203/Issue%206/IJESIT201406_39.pdf
15. International Journal of Engineering Technology And Management (IJEMAS) ISSN: 2349-4476, Volume 2, Issue 6, November 2014 PRE A*-ALGEBRA AND HOMOMORPHISM
<http://www.ijetmas.com/admin/resources/project/paper/f201411181416296279.pdf>
16. International Journal of Scientific and Innovative research ISSN: 2347-307X, Volume 2, Issue 5, JULY 2015 CONCEPTS OF LATTICE AND HOMOMORPHISM ON PRE A*-ALGEBRA <https://www.arcjournals.org/pdfs/ijesimr/v1-i3/ijesimr-v1-i3-5.pdf>
17. Women in Mathematics ISBN: 978-93-80693-46-0-pg10-16 ,FEB 2015 ALGEBRA AND ITS ROLE IN THE REAL WORLD
18. ACTA CIENCIA INDICA MATHEMATICS, VOL. XLI M 2015 No.1, ISSN 0970-0455, Pg 9-12, RINGS OF PRE A*-ALGEBRAS
http://shodhganga.inflibnet.ac.in/jspui/bitstream/10603/126944/13/13_list20of%20publication.pdf
19. “On Differential Equations” International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 4, Special Issue 21, August 2017 Vol. 4, Special Issue 21, August 2017 ISSN 2394-3777 On differential equations
<https://ijartet.com/v4s21august2017spectrumsolutions>
20. International Journal of Scientific and Innovative research ISSN: 2347-

307X, Volume 3, Issue 5, November 2015 pp 10-15 ON *- SEMILATTICE
<https://www.arcjournals.org/international-journal-of-scientific-and-innovative-mathematical-research>

21. International Journal of current Research in Multidisciplinary (IJCRM), ISSN 2456-0979, Volume 1, Issue 2, JUNE 2016 , pp36-38 BASICS ON CHROMATIC POLYNOMIALS IN GRAPHS

[.www.ijcrm.com/publish_article/edition_2/F01203638.pdf](http://www.ijcrm.com/publish_article/edition_2/F01203638.pdf)

22. International Journal of Latest engineering research and applications (IJLERA) ISSN: 2455-7137, Volume 1, Issue 3, JUNE 2016 , PP-34-37 Review concept of applications of Differential Equations. <http://www.ijlera.com/papers/v1-i3/4.201606047.pdf>

23. International Journal of multidisciplinary Education research, ISSN. 2277 - 7881 , vol 1, special issue 1, Feb 2017 "Generation of Pre A*-algebras" Generation of Pre A* - Algebras s3-ap-southeast-

[1.amazonaws.com/ijmer/pdf/volume5/volume5-issue12\(8\)-2016.pdf](http://1.amazonaws.com/ijmer/pdf/volume5/volume5-issue12(8)-2016.pdf)

24. Bulletin of mathematics and statistics Research ISSN: 2348-0580, Volume 5, Issue 4, Dec 2016 on Mathematical modelling

<http://www.bomsr.com/>

25. "Algebra and its role in the real world" in Women in Mathematics, ISBN 978-93-80693-46-0, Feb 2015

26. International Journal of multidisciplinary Education research, ISSN 2277 - 7881 , vol 2, SI 1, Jan 2017, "Newton's law of cooling", Feb 2017 <http://www.ijmer.in/>

27. "rings and Pre A*-Algebra " in Global journal of pure and applied mathematics , vol2, ISSN 0973-1768 , July, 2017

<https://www.ripublication.com/gjpam.htm>

28. "Recent Trends in mathematics " in Global journal of pure and applied mathematics , vol 13, No.4 ISSN 0973-1768 , July, 2017

<https://www.ripublication.com/gjpam.htm>

29. " Pre A*-Algebra from Boolean algebra" in Emerging trends in mathematics and mathematics education , ISBN 0978-80693-88-0 , July, 2017

30. "Review Concept of application of Differential equations " international journal of multidisciplinary educational research ISSN 2277-7881, Volume 5, Issue 12, December 2016

www.ijlera.com/papers/v1-i3/4.201606047.pdf

31. Algebra and its applications " in Recent trends in mathematics and mathematics applications , ISBN 978-93-85101-95-3 , July, 2017

32. " Applications of ring theory " in journal for advanced research in applied sciences , ISSN 2394-8442 VOLUME 4, ISSUE 7, DEC, 2017.

<http://www.jmjcollege.ac.in/pdf/3.4.5%20Weblink%20of%20the%20research%20papers%20published%20in%20the%20journalas.pdf>

33. Dr. Praroopa Yenubari, "Concepts Of Pre A*-Algebra", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.13, Issue 4,

pp.a129-a140, April 2025, <http://www.ijcrt.org/papers/IJCRT2504018.pdf>
 34. Participated & Published a paper titled "Logic and its applications " in I-THERA 2025, International Conference on Next Generation Drug Discovery & Personalized Therapeutics with ISBN 978-93-344-4485-B Organized by SDMSiddharthaMahila Kalasala Vijayawada, on 16-17 October 2025

:Conference Proceedings

- No. of papers published in conference proceedings: 13 2025-26
- Participated & Published a paper titled "Logic and its applications " in I-THERA 2025, International Conference on Next Generation Drug Discovery & Personalized Therapeutics with ISBN 978-93-344-4485-B Organized by SDM Siddhartha Mahila Kalasala Vijayawada, on 16-17 October 2025

:Positions Held

- Member of Student Grievances Committee
- Member of Research Publications committee
- Member of Student Welfare , Committee Women empowerment committee
- Student Health & Wellness Club
- Member of BOS , Department of Mathematics

Workshops/ Seminars/FDP Organized/Attended

Citations	21
Invited talks	5
No. of webinars/virtual workshops/national /international conferences/FDPs attended in online mode	25
Faculty Development and Training Programmes (at least 5 Days) including online mode	10
Presentations research papers	60
International/National Level Seminars/Conferences	
Instructor Led/Self-Paced Courses	10
Webinars	30+

Research Profile: The research publications and research contributions can be viewed

from the following URLs

LiveDNA	https://livedna.net/login.php https://livedna.org/91.41166
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Google Scholar	https://scholar.google.co.in/citations?hl=en&user=
ORCID	https://orcid.org/0000-0003-0283-0588?lang=en
Research Gate	https://www.researchgate.net/profile/praroopa_Dry
LinkedIn	https://www.linkedin.com/in/dr-praroopa-yenubari-7b014839?

2025-26

- National seminar on computational science the intersection of maths, physics, chemistry and computer science
- National seminar Dept of mathematics physics chemistry comp.Sc, SriVenkateshwara Govt Arts and science College,Palem, Telangana on 22-04-2025
- Paper presented Concept of Boolean algebra on Pre A* -Algebra
National webinar on mathematical modelling and applications
National webinar Department of mathematics and IQAC,VKV Govt.Degree college,Kothapeta,AP On 20 -02-2025
- Participated On AI tools&Innovations shaping the future of AI in 2025&beyond National webinar Department of computer science, Govt Degree College,Razole,AP
- Participated On intellectual property rights National webinar
Department of mathematics and Jawahar knowledge centre JKC,VKV govt degree college, Kothapeta AP on 21-04-2025
- Participated On Emergency preparedness for heat waves and Eco friendly cooling solutions
- National webinar Department of mathematics and National Service Scheme NSS,VKV govt degreecollege, Kothapeta AP on 12-05-2025
- National seminar on computational science the intersection of maths, physics, chemistry and computer science
- Participated On Emergency preparedness for heat waves and Eco friendly cooling solutions National webinar Department of mathematics and National Service Scheme NSS,VKV govt degree college, Kothapeta AP on 12-05-2025 Participated
- published a paper titled Concepts of Pre A* -Algebra in International Journal of Creative Research Thoughts in UGC approved journal 49018

with ISSN No.2320-2882 ,Volume 13, Issue 4, April 2025

- Participated in National Webinar on Mathematics in Artificial Intelligence organized by Dept of mathematics,PVKN Govt college,Chittoor on 4-5 Sep2025
- Actively participated in 5-days Faculty Development Program in hybrid model on Tools and Technology advancements in Teaching organized by Dept of Data Science&Artificial Intelligence,PB SiddharthaCollegeofArts&Science,Vijayawada on 15-19,September 2025
- Participated in InternationalSeminar on Computational Techniques in Mathematics organized by Dept of mathematics Adikavi Nannaya University, Rajmahendravararam on 25-26 Sep 2025
- Participated&Published a paper titled "Logic and its applications " in I-THERA 2025, International Conference on Next Generation DrugDiscovery&PersonalizedTherapeuticswithISBN 978-93-344-4485-B Organizedby SDMSiddharthaMahila Kalasala Vijayawada,on 16-17 October 2025
- Participated and successfully completed Hands on training on R programming: Applications in Data science and Research organized by IQAC,Sri Durga Malleswara Siddhartha Mahila Kalasala Vijayawada on 20 th November 2025
- Participated in Three Day international online conference on Advancing innovations through Mathematics organized by Department of Mathematics, Bapatla Engineering college,Bapatla on 8-10 September 2025
- Attended 5-day National level Professional development program on Quantum Computing on 21-25 October 2025 organized by VNR Vignanana Jyothi institute of engineering and technology, Hyderabad

