

PROFILE

NAME : Dr.P.V.DURGAVATHI
DESIGNATION : VICE PRINCIPAL & H.O.D
DEPARTMENT : Mathematics
QUALIFICATION : M.Sc., M.Phil., Ph.D.
TEACHING EXPERIENCE: 29 years
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Publications:

1. **Ordering in Boolean Near rings and Generalized D.G.,** Mathematical Sciences International Research Journal/ Vol 5/ Spl Issue 2016, ISSN 2278-8697
2. **Applications of Graph theory in day to day life ,** IAETSD-JARAS Journal for Advanced Research in Applied Sciences, 2017, ISSN 2394-8442
3. **On Some Properties of Middle Cube Graphs and Their Spectra ,** International Journal of Advanced Science and Technology (IJAST),2019,ISSN:2207-6360
4. **Upper Total Signed Unidomination Number of a Rooted Product Graph of a Path with a Star ,** International Journal for Modern Trends in Science and Technology (IJMTST),2021,ISSN:2455-3778
5. **Signed Unidomination Number of a Rooted Product Graph of a Path with a Cycle ,**International Journal of Mathematics Trends and Technology (IJMTT), 2021, ISSN: 2231-5373
6. **Signed Edge Unidominating Function of a Rooted Product Graph of a Path with a Path ,** Journal of Engineering, Computing & Architecture (JECA)2021, ISSN:1934-7197
7. **Upper Signed Edge Unidomination Number of a Rooted Product Graph of a Path with a Cycle ,** Science, Technology and Development (STD),2021, ISSN:0950-0707

Online courses through COURSERA:

- Introduction to ordinary differential equations- KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY (KAIST)
- Mathematical thinking in computer science -UC SAN DIEGO
- The science of well- being - THE UNIVERSITY OF YALE
- Take your English communication skills to the next level -GEORGIA INSTITUTE OF TECHNOLOGY
- Algebra basica-THE UNIVERSITY OF MEXICO
- Successfulnegotiation:essential strategies and skills -THE UNIVERSITY OF MICHIGAN

List of Seminars/Workshops/FDP/Refresher Course /Conferences attended:

- ❖ **One day Workshop** on “Research Paper and Research Proposal Writing” ,Faculty of Maths, Physics & Chemistry, Freshman Engineering Department ,P.V.P Siddhartha Institute of Technology, Vijayawada on 26.03.2022.
- ❖ **One Week FDP** on “Intellectual Property Rights: Emerging Issues & Challenges” (online) Research & Development, Krishna University, Machilipatnam, A.P. from 20-06-22 to 24-06-22.
- ❖ **One Week FDP** on “Research Opportunities & Funding Agencies” (online) ,Research & Development, Krishna University, Machilipatnam, A.P.from 27-06-2022 to 02-07-2022.
- ❖ **National level FDP** on Outcome based Education, IOT Academy, Coimbatore, Tamilnadu, India, from 01-07-2022 to 02-07-2022.
- ❖ **International FDP on** “Research Perspectives in Mathematics and its Applications “, Department of Mathematics, Sathyabama institute of science and technology, Chennai, from 04-07-2022 to 16-07-2022.
- ❖ **One Week FDP** on “Enhancing the academic and intellectual environment in the higher educational institutes” (online), Research & Development, &Department of Mathematics, Krishna University, Machilipatnam, A.P. from 11-07-2022 to 16-07-2022.
- ❖ **National level FDP** on Entrepreneurship development & start-ups, IOT Academy, Coimbatore, Tamilnadu, India, from 13-07-2022 to 14-07-2022.
- ❖ **National level FDP** on “National Education Policy -2020 (NEP) An Overview “, IQAC, SDMSMK, Vijayawada, A.P. on 27-08-2022.
- ❖ **International Conference** on Graphs, Networks and Combinatorics (ICGNC 2023),Department of Mathematics, Ramanujan College, University of Delhi, India, from 10-01-2023 to 12-01-2023.

- ❖ **National webinar** on “Exploring the Beauty and Complexity of Mathematical Structures in Nature”, Department of Mathematics, CSTS GOVT.KALASALA, Jangareddigudem, Eluru, A.P. on 07-03-2024.
- ❖ **State level Workshop** on Academic Bank of Credits in collaboration with NAD DigiLocker, Govt.of India, JNTUK, Kakinada, India on 11-03-2024.
- ❖ **International Symposium on Advances in Mathematical Sciences (ISAMS2024) (online)** held at Canadian University Dubai, UAE in conjunction with Dr.B.R.Amdekar National Institute of Technology Jalandhar, India on 23-03-2024 to 24-03-2024.
- ❖ **Refresher course on “Foundations in Vedic Mathematics”** Department of Mathematics, Ramanujan College, University of Delhi, India, from 31-03-2024 to 13-04-2024.
- ❖ **Online workshop on Data analysis& AI** , Centre for Computer Science and Information Technology(CCSIT), Manjeri, University of Calicut in association with ipsr solutions limited on 15-06-2024.
- ❖ **Awareness/training program under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION (NIPAM), Govt.of India. On 19-07-2024.**
- ❖ **International Conference** (Virtual) on Emerging Trends in Applied Mathematics (ICETAM 2024),Department of Mathematics, R.B.Gothi Jain College for Women,Redhills,Chennai, India, on 13-09-2024.
- ❖ **State level Workshop** on Towards Enhanced Performance in NIRF Rankings-2025- A Strategic Approach, JNTU, Kakinada, India, on 23-12-2024.
- ❖ **Guest lecture delivered** on ‘Vedic Mathematics’ to the UG students of CSTS Govt.Kalasala, Jangareddigudem in on-line mode on 20-12-2024.
- ❖ **Online FDP on Data Analytics with Mathematics and Python** One week online Hands-on FDP November 24th-28th,2025, organized by Indian Mathematics Association Professors and infinity research and Development institute, Coimbatore.
- ❖ **International Online FDP on Quantifying Innovation: “The Role of Mathematics & Statistics in Science and Technology”** organized by the Department of Mathematics, School of Science ,O.P .Jindal University Raigarh during 19-23 January 2026.

Active involvement in the institutional Activities:

- ❖ **ASSOCIATE NCC OFFICER (ANO) - 2014 to JUNE 2024**
- ❖ **NODAL OFFICER – AISHE under MHRD – 2010 to till date**
- ❖ **RED RIBBON CLUB - CONVENOR – 2011 to 2014**
- ❖ **NAD COORDINATOR** – Academic Bank Credit and National Academic Depository (NAD)-2023 to 2025
- ❖ **NIRF COORDINATOR – 2016 to 2025**
- ❖ **HOSTEL-2 WARDEN – JULY 2024 to till date**

Membership in committees

- Games committee
- Discipline committee
- Alumnae association
- Assembly committee
- Press and Media committee

Achievements/ Awards

1. **Received Ph.D. (Doctor of Philosophy) in Mathematics** from Krishna University, Machilipatnam, A.P. in 2023.
2. **Best ANO Award** from Kakinada group received in NCC Day Celebrations 2019 conducted by 4(A) G BN NCC.
3. **Best ANO Award** from Kakinada group received in NCC Day Celebrations 2016 conducted by 4(A) G BN NCC.
4. **Best ANO Award in LIDC 2015** held at R.K. Beach, Vizag.
5. **Received Best Trainer award** in Red Ribbon Club in 2013.
6. **Received appreciation certificate from Governor of A.P.** for blood donation in 2012.
7. **Acted as Assistant Supervisor for External Exams** conducted by UPPSC, APPSC in the college.
8. **Acted as Examination Paper setter and Exam Paper Evaluator in Mathematics** for different colleges in A.P.
9. **As a Resource person** a Guest lecture delivered on 'Vedic Mathematics' to the UG students of CSTS Govt.Kalasala, Jangareddigudem in on-line mode on 20-12-2024.
10. **Acted as Camp Adjutant** in various camps conducted by NCC organization.
11. **Acted as Resource Person** on the eve of National Mathematics Day conducted by Department of Mathematics, CSTS Govt. Kalasala through online held on 15.12.2025
12. **Qualified NPTEL** Online Certification 4-Week Course, IIT Madras (Jan- Feb 2026) on " Introduction to QUANTUM COMPUTING: Quantum Algorithms and Qiskit" .
