

PROFILE



Name : D.ABINAYA
Designation : Assistant Professor
Department : Mathematics
Date of Birth : 28-02-1994
Date of Appointment : 27-06-2017

CONTACT DETAILS

Present Address : D/O A.Duraisingam, 5/46 A, Karumathur,
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ACADEMIC

S.No	Degree	University/Institution	Year of Completion
1	B.Sc.	Fatima college, Madurai.	2014
2	M.Sc.	Loyola college, Chennai.	2016
3	SET	Mother Teresa University	2016

Total Experience : 7 Years

Area of Specialization/Interest : TOPOLOGY, CRYPTOGRAPHY

Academic Affiliation : NSS Programme officer, NSS Staff Advisor

Professional Affiliation : NIL

Research Publications : 7

International Publication:

1. **Properties of weakly binary**, Industrial Engineering Journal, ISSN: 0970-2555, Vol. 52, Issue 2, 2022, pp. 99-106.
2. **Binary Generalized Closed Sets in Binary Topological Space**, Indian Journal of Natural Sciences, Vol. 14, 2023, pp. 54089-54094.
3. **A new form of Inverse Binary Soft Set**, Gradiva Review-Journal, Vol. 9, Issue 3, 2022, pp. 703-711.
4. **Analyzing and prioritizing the linguistics variable of COVID-19 using Triangular Fuzzy Cognitive Maps**, Gradiva Review-Journal, Vol. 9, Issue 3, 2023, pp. 1119-1126.
5. **Weakly Binary $G\alpha$ – Closed Sets And Weakly Binary $A\alpha$ – Closed Sets In Binary Topological Space**, International Journal of Science and Arts, Vol. 23, Issue 2, 2023, pp. 331-340.
6. **Categorizing Supervised Data Using Different Metrics**, Jac Journal of Science, Humanities, and Management, ISSN: 2347-9868, Vol. 9, No. 2, June 2022, pp. 16-29.
7. **Solving fuzzy assignment problems using Genetic Algorithm Magnitude Ranking Technique**, Mathematical Sciences International Research Journal, SPL Issue 4, 2018, ISSN: 2278-8697.

Seminar/conferences/Workshops participated/Presented:

- Participated the National Seminar on Recent Trends in Applied Mathematics organized by Research Centre and PG Department of Mathematics at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 13th December, 2017.

- Participated the Workshop on **“Women in Science and Research”(Speaker Series Program 2018), in collaboration with United States India Educational Foundation,(USIEF)**, Chennai held on 19th-20th February 2018, organized by Internal Quality Assurance Cell (IQAC), Jayaraj Annapackiam college for women(Autonomous), Periyakulam.
- Participated the International Conference on **“Emerging Trends in Mathematical Sciences and Technology” (ICETMST 2018)** organized by Research Centre & PG Department of Mathematics, JayarajAnnapackiam College For Women(Autonomous), Periyakulam, on 20th and 21st, December 2018.

- Participated the Two days workshop on “**Fuzzy Set Theory and its Applications**” organized by Research Centre & PG Department of Mathematics, JayarajAnnapackiam College For Women(Autonomous), Periyakulam, on 27th and 28th, February 2019.
- **Webinar on Bridge Course in Mathematics Module III: Matrices and Determinants** - 27.06.2020 / Anand Institute of Higher Technology, Chennai
- **Webinar on Machine Learning: Linear Regression** - 17.06.2020 / Loyola College, Vettavalam
- **Webinar on Fuzzy Systems & Graph Theory** - 17 & 18.06.2020 / Holy Cross College, Nagercoil
- **National Level FDP on Techniques and Application in Teaching Engineering Mathematics** - 10 & 11.06.2020 / K. Ramakrishnan College of Engineering
- **Faculty Development Program on Emerging Challenges of Mathematical Applications in Engineering** - 22 – 26.06.2020 / PSG Polytechnic College
- **International Webinar on Recent Trends in Applied Mathematics** - 24 – 26.06.2020 / Patrician College of Arts and Science, Chennai
- **Webinar on Bridge Course in Mathematics Module II: Relations and Functions** - 23.06.2020 / Anand Institute of Higher Technology, Chennai
- **International Faculty Development Programme on Avant-garde Trends in Mathematics** - 17 – 23.06.2020 / Bannari Amman Institute of Technology
- **International Web Conference on Advances in Mathematics** - 17 – 19.06.2020 / St. Mary’s College, Thoothukudi
- **Webinar on Mathematical Theory of Decision Tree** - 18.06.2020 / Loyola College, Vettavalam
- **Online International Conference on Data Science** - 15 – 18.06.2020 / Loyola College, Vettavalam
- **Webinar on Cloud Computing and Azure** - 16.06.2020 / Loyola College, Vettavalam
- **National Level Webinar on This Too Shall Pass** - 13.06.2020 / G.T.N Arts College, Dindigul
- **Webinar on NP-Completeness** - 17.06.2020 / Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai
- **National Webinar on Women in Entrepreneurship** - 15.06.2020 / Jayaraj Annapackiam College for Women, Periyakulam
- **Webinar on The Mathematics – The Language of Engineering** - 04.06.2020 / University College of Engineering, BIT Campus, Anna University, Tiruchirappalli

- **National Level Live Faculty Development Programme (Webinar) on Future of Examinations:** Bloom's Taxonomy and Multiple Assessment Tools - 08.06.2020 / G.T.N Arts College, Dindigul
- **Webinar on Bridge Course in Maths Module I:** Fundamentals of Set Theory - 06.06.2020 / Anand Institute of Higher Technology, Chennai
- **National Webinar on Fractals via Fixed Point Theory** - 03.06.2020 / Jayaraj Annapackiam College for Women, Periyakulam
- **Webinar on Triage Crisis & Universal Remedy** – Covid-19, A Perspective - 01.06.2020 / Don Bosco College, Dharmapuri
- **Pledge for Women Rights** - 08.04.2020 / National Commission for Women, India

AWARDS :

- Received the “Kalvi Sevagar Award-2022” from Kurungi Kapilar Tamil Sangam on 15th August, 2022.
- Received a Best Co-ordinator Award” from Sathguru Sangeetha Natya Vidyalaya through World Records Union (America).
- Received Best Oral Presentation award for presenting a paper entitled Prediction of Test data using dominani Eigen Vector and Evaluating the accuracy of classification using confusion matrix in the 2nd International conference Recent Trends in Mathematical, physical and computational sciences-2023 held at sagar (M.P) on march 17-19, 2023.

Books Published

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