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ASSISTANT PROFESSOR

RESEARCH DEPARTMENT OF MATHEMATICS

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CONTACT DETAILS

OFFICE ADDRESS: Theivanai Ammal College for Women (Autonomous),
Chennai- TrichyTrunk Road,
Villupuram, Tamil Nadu-605602
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RESIDENTIAL ADDRESS: No.124, Main Road, Nemur Village & Post,
Villupuram - District.Pin: 605 203.

QUALIFICATION

- B.Sc., Mathematics (Arignar Anna Govt. Arts College, Villupuram, 2007)
- M.Sc., Mathematics (Dr.Ambedkar Govt. Arts College, Chennai., 2010)
- M.Phil.,Mathematics (SCSVMV Deemed University, Kanchipuram, 2012)
- B.Ed., Mathematics (Vasavi College of Education, Madgadipet,2008)
- Ph.D., Mathematics (Bharathiyar University, Pursing)

TEACHING EXPERIENCE

- Assistant Professor in Theivanai Ammal College for Women (Autonomous), Villupuram from June 2018 to till date.
- Assistant Professor in St. Joseph College of Engineering, Sriperumbudur from July 2012 to May 2018.
- Lecturer in Arignar Anna Govt. Arts College, Villupuram from July 2010 to April 2012.
- Experience in handling Mathematical Aptitude training classes for Placement.

AREA OF SPECIALIZATION

- Graph theory
- Linear Algebra
- Differential Geometry
- Differential Equations

QUIZ COMPETITION AWARDS

- Participated in the **Competition** on “**Maths Quiz - Analysis**” conducted by Don Bosco College (Co-Ed) Yellagiri Hills, 2020.
- Participated in the **Competition** on “**E-Quiz on Graph Theory**” conducted by Thiru Kolanjiappar Govt.Arts.College, Virudhachalam, 2020.
- Participated in “**Online General Awareness Quiz-Computer Fundamentals**” conducted by Shanmuga Insustries Arts & Science College,2019.
- Participated in the **Competition** on “**E-Quiz on Graph Theory**” conducted by St.Anne’s College of Arts & Science College, Tindivanam, 2020.
- Participated in the **Competition** on “**E-Quiz:Algebra & Analysis**” conducted by Bharathi Women’s College (Autonomous),Chennai,2020.
- Participated in “**E- quiz on Research & publication ethics-2022** “conducted by Thiruvalluvar University 26.03.2022

PAPER PRESENTATION/ PARTICIPATION /WORKSHOP

- Participated in National Webinar Analysis & its Applications Dr.M.G.R Government arts and science college for Women 30.03.2022
- Participated in National Workshop Mathematical techniques in fluid dynamics SRM Institue of Science and Technology 28.03.2022to 30.03.2022
- Participated in National Webinar wellness & women's mental health in the covid 19 pandamic SRM Institue of Science and Technology 07.03.2022
- Participated in National Webinar My Trinity of my gods & concept of a teachers WELLTTA International-world english language learners, teachers& trainers association 15.02.2022
- Participated in National Webinar on Unifying factor of teacher &a student.The limits of my language are the limits of my world
- Participated WELLTTA International-world english language learners, teachers& trainers association14.02.2022
- Participated in National Workshop on Outcome based education-Mapping/Attainment TACW 24.11.2021.
- Participated in National Webinar on Professional English Orientation Programme TACW 30.10.2021
- Participating in the Online Webinar on “Role of Libraries in the Promotion of Research Activities” conducted by Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous), Hyderabad, 24th September 2021.

- Participated in the **National Level Webinar on “Current Trends in IT”** conducted by Dr.M.G.R Educational and Research Institute, Adayalampattu Phase II Campus, Chennai, 24th September 2021.
- Participated in the **Webinar on "Entrepreneurship Campus Eco System"** conducted by Dr.M.G.R Educational and Research Institute, Adayalampattu Phase II Campus, Chennai, 18th September 2021.
- Attended the **NAAC Sponsored One-day Online Seminar on “Qualitative & Quantitative Metrics in RAAF of NAAC”** conducted by Rajalakshmi Engineering College (Autonomous), Chennai, 17th September 2021.
- Participated in the **One Week Faculty Development Programme on “Software tools for Mathematical Education”** Conducted by Bannari Amman Institute of Technology, Sathyamangalam and Providence College for Women, Coonoor, from 30th August 2021 to 05th September 2021.
- Participated in National Webinar Dominations in Graphs C.Abdul Hakeem College (Autonomous), Melvisharam. 17.08.2021 & 18.08.2021
- Participated in the **Two Days National Webinar on “Dominations in Graphs”** Conducted by C. Abdul Hakeem College (Autonomous), Melvisharam, 17th & 18th August 2021.
- Participated in National Workshop Blended Learning Through E-Assessment: Moodle SRM Institute of Science and Technology, Chennai 12.08.2021 & 13.08.2021
- Participated in the National Workshop Innovation Ambassador Training MoE's Innovation Cell & AICTE 30.06.2021 to 30.07.2021
- Participated in the National Webinar Frontiers of Mathematics(FDP)SRM Institute of Science and Technology 18.06.2021 & 19.06.2021.
- Participated in the **Two Days Webinar on “Professional Development Programmes(PDP)”** Conducted by Theivanai Ammal College for Women (Autonomous), Villupuram, 18th & 19th June 2021.
- Attended Seminar on National Seminar on **“Recent developments in Cryptography”** at Theivanai Ammal College for Women (Autonomous), Villupuram, 29th January 2021.
- Participated in the **Workshop on “MATLAB”** , Theivanai Ammal College for Women (Autonomous) ,Villupuram, 2019.
- Presented a paper entitled on **“On Harmonic Index of New Operation of Graphs”** in International Conference on **“Recent Advancements in Pure and Applied Mathematics”** conducted by Government Arts College (Autonomous), Kumbakonam, 25th February 2019.
- Attended one day National workshop on **“Essential of Thesis Writing and Hands on Training in Octave”** conducted by Theivanai Ammal College for Women (Autonomous), Villupuram, 8th February 2019.
- Attended Workshop on **“Outcome Based Education – Mapping / Attainment”** at Theivanai Ammal College for Women (Autonomous), Villupuram, 24th November 2021.

FACULTY DEVELOPMENT PROGRAM

- Participated in seven days national online Faculty Development Program on “**Research Methodology: Analysis, Tools & Techniques**” organized By Internal Quality Assurance Cell and Research Department of Mathematics at Theivanai ammal college for women, Villupuram. from 28.12.2022-03.01.2023.
- Participated in “**Faculty Development Training Programme**” at **Sri Venkateshwara College of Engineering** from 4th to 1th December 2013 organized by **ANNA UNIVERSITY**.
- Participated in “**Faculty Development Training Programme**” at **DMI College of Engineering** on July 2013 organized by **ANNA UNIVERSITY**.
- Participated in “**Faculty Development Training Programme**” at **Loyola Institute of Technology** on June 2016 organized by **ANNA UNIVERSITY**.

PUBLICATIONS

1. Upper Bounds for Harmonic Coinvariant of Graphs, International Journal of Mechanical Engineering. Vol. 7 (IV) ISSN : 0974-5823,2022
2. Hypercubes Of Fq_5 , Fq_6 And Their Fault Tolerance, International Journal of Mechanical Engineering. Vol. 7 (IV)ISSN : 0974-5823,2022
3. Solution Of Linear Fredholm Integral Equation With Taylor Series Expansion Using Matlab, International Journal of Mechanical Engineering Vol. 7 (IV)ISSN : 0974-5823,2022
4. On Direct Sum of Five Intuitionistic Fuzzy Graphs, International Journal of Mechanical Engineering. Vol. 7 (IV)ISSN : 0974-5823,2022
5. Cordial Labeling And Edge Cordial Labeling For Sixteen Sprocket Graph, International Journal of Mechanical Engineering Vol. 7 (IV)ISSN : 0974-5823,2022
6. Decagonal Fuzzy Numbers In Solving Assignment Problem By Hungarian Method, International Journal of Mechanical Engineering. Vol. 7 (IV)ISSN : 0974-5823,2022
7. Some Special Graceful Labeling Results Of Hexagonal Pyramidal Graceful Graphs International Journal of Mechanical Engineering. Vol. 7 (IV)ISSN : 0974-5823,2022
8. Zagreb Index and its Coindex of New Transformation Graphs, Journal of Applied Science and Computations (JASC). ISSN : 1076-5131,2022
9. Transportation Problem using C Language, Utkal Historical Research Journal, Vol 34(IX),ISSN : 0976-2132,2021.
10. Two modulo Four Sum Graphs, Vidyabharati International Interdisciplinary Research Journal, ISSN: 2319-4979, 2021.
11. Lucky Edge Labeling of various Graphs ,Utkal Historical Research Journal, Vol.34(XI),ISSN : 0976-2132, 2021.
12. Job Sequencing Problem Using C Programming, Utkal Historical Research Journal, Vol.34 (XI), ISSN: 0976-2132, 2021.
13. chebyshev Polynomial using Trigonometric Identities, Utkal Historical Research Journal, Vol.34(XI),ISSN : 0976-2132, 2021.
14. Coloring of Strong Intuitionistic Fuzzy Petersen Graph with Total Coloring Utkal Historical Research Journal, Vol.34(XI),ISSN : 0976-2132, 2021.
15. Fekete Szego using Quasi Subordination, Utkal Historical Research Journal, Vol.34(XI),

ISSN : 0976-2132, 2021

16. Super Edge BI-Magic Labeling of New Constructions of Trees from Path & Star, Science, Technology and Development Multidisciplinary Journal, Vol IX, ISSN NO 0950- 0707, 2020.
17. Zagreb Related Index and its Coindex of Some Derived Graphs, Journal of Applied Science & Computations, Vol 6, 2019, ISSN NO:7021-2008, 2019.
18. On Harmonic Index of New Operation of Graphs, International Journal of Engineering Technology, Vol-8, ISSN: 2249-8958, 2019.

ORGANIZATION OF EVENTS

- Organized International Conference on “**Smart and Sustainable Development in Multidisciplinary Research (SCI-VISION-2050)**” at Theivanai Ammal College for Women (Autonomous), Villupuram, 9th & 10th March 2023.
- Organized Invited lecture on “**Restructuring Lattice Theory-A Research View**” at Research Department of Mathematics Theivanai Ammal College for Women (Autonomous), Villupuram, 21st February 2023.
- Organized one day National workshop on “Research article using LaTeX” conducted by Research Department of Mathematics, Theivanai Ammal College for Women (Autonomous), Villupuram, 25th January 2023.
- Organized a National Seminar on “**New Developments in Domination Graphs**” at Theivanai Ammal College for Women (Autonomous), Villupuram, 16th December 2021.
- Organized a Video conference on “**Intellectual Property Rights**” at Theivanai Ammal College for Women (Autonomous), Villupuram, 10th November 2021.
- Organized a National Seminar on “**Recent developments in Cryptography**” at Theivanai Ammal College for Women (Autonomous), Villupuram, 29th January 2021.
- Organized one day National workshop on “**Essential of Thesis Writing and Hands on Training in Octave**” conducted by Research Department of Mathematics, Theivanai Ammal College for Women (Autonomous), Villupuram, 8th February 2019.

ACADEMIC MEMBERSHIP (ST. JOSEPH COLLEGE OF ENGINEERING)

- Served as a **Coordinator** for the Department of **Science & Humanities** from July 2013 to 31.05.2018 date.
- Served as a **Discipline Coordinator** for the department of **Science & Humanities** from July 2012 to 31.05.2018 date.
- Anna University Representative **AUR** for three times to the smooth conduction of semester examinations of Anna University from 2015 to 2017.
- Member of Anna University Exam Squad Committee for two times from 2015 to 2017.
- Served as a Convener for **Ramanujam Mathematics Club** from 2013 to 31.05.2018.

ACADEMIC RESONSIBILITIES (TACW)

- M.Phil., Research Supervisor
- Document coordinator
- Exam committee member
- PG Service learning
- Innovation Hub Coordinator
- Control Room Coordinator for End Semester Examination
- Coordinator of the Chemistry Practical for school students
- Coordinator of Vocational Course for School students

AWARDS AND ACHIEVEMENTS

- Exam TNSET qualified in Aril 2017 in Mathematics
- Awarded certificate for Produced **94 %** in **Discrete Mathematics** 2013.
- Awarded certificate for Produced **94 %** in **Discrete Mathematics** 2014.
- Awarded certificate for Produced **80 %** in **Probability and random processes** 2014.
- Awarded certificate for Produced **94 %** in **Graph Theory and Applications** 2016
- Awarded certificate for Produced **93%** in **Graph Theory and Applications** 2017

OTHER ACTIVITIES

- Acted as Resource Person for the one day seminar on the topic is “**Recent Trend In Graph Theory**” on October 2021 in Sacred Heart Arts & Science College, Perani, Tindivanam.
- Acted as Resource Person for the one day Multidisciplinary National seminar on the topic is “**Graph Theory and its Applications**” on March 2020 in Saraswathi Arts & Science College, Tindivanam.
- Acted as **External practical examiner** during University practical examination conducted by Thiruvalluvar University.
- Acted as **External Examiner** during University Theory examination conducted by Thiruvalluvar University.