

## CURRICULUM VITAE

**Dr.J.VENKATESAN M.Sc., M.Phil., B.Ed., Ph.D.**

28/271.A, Narayana Nagar,

Uthangarai(Tk ), Krishnagiri District,

Tamilnadu,India, Pincode: 636 902.

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### OBJECTIVE:

To associate with multi-dynamic institute, that may provide a platform to update my knowledge & skills in accordance with latest trends in teaching along with research that follows a tradition of anticipating & leading changes.

### SHORT INTRODUCTION:

M.Sc. Mathematics [2010], M.Phil. in the field of Fluid Dynamics (Mathematics ) (2014), Ph.D. in Mathematics [2016- 2021], with nearly 14 years 8 months of teaching experience in **algebra, complex Analysis, vector analysis, mechanics, etc...**, for M.Sc. and B.Sc. classes at same institute. **12** papers published in reputed journals along with above **17** International/ National conferences presented and attended.

### ACADEMIC QUALIFICATIONS:

1. **Ph.D.** : **Periyar University** (Feb 2016-Aug 2021), Salem.
2. **M.Phil.** : Fluid Dynamics (2012-2014) with 58%, **Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.**
3. **M.Sc.** : Mathematics (2008-2010) with 70%, **Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore.**
4. **B.Ed.** : Mathematics (2008) with 78%, **Sri Vidya Mandir College of Education, Uthanagarai.**
5. **B.Sc.** : Mathematics (2004-2007) with 61%, **Sacred Heart College, Tirupattur.**

## TEACHING EXPERIENCE:

### • 05.08.2010 to till date (14 years 11 months)

Assistant Professor, PG and Research Department of Mathematics, Sri VidyaMandir Arts and Science College (Autonomous), Katteri, Uthangarai – 636 902. Krishnagiri (Dt).

## ACADEMIC DISTINCTION:

Published 12 Papers in WOS/SCOPUS/UGC journals and more than 17 International / National conferences/symposia Presented and attended.

## AREA OF RESEARCH:

Fuzzy Algebra, Ring Theory, Differential Equations, Fluid Dynamics

## PUBLISHED RESEARCH PAPERS:

1. **J.Venkatesan**, "Intuitionistic fuzzy soft subhemiring of a hemiring", Nonlinear Studies, 2018; 25 (03): 1359-8678.
2. **J.Venkatesan**, "Lower level subhemirings of an anti-fuzzy soft subhemirings of hemiring", Malaya Journal of Matematik, 2018; 6 (01): 2321-5666
3. **J.Venkatesan**, "Intuitionistic fuzzy soft subhemirings of a hemiring under homomorphism and anti-homomorphism", Adalya Journal, 2019; 8 (11): 1301-2746.
4. **J.Venkatesan**, "A study on intersection of two intuitionistic q-fuzzy soft subhemiring of a hemiring using homomorphism and anti-homomorphism", Advances in Mathematics: Scientific Journal, 2020; 09(01): 1857-8365.
5. **J.Venkatesan**, "Characterization of intuitionistic fuzzy soft subhemiring", Compliance Engineering Journal, 2019; 10 (11): 0898-3577.
6. **J.Venkatesan**, "Using fuzzy soft matrix in medial analysis for Human's illness ", International Journal of Innovative Technology and Exploring Engineering , 2019; 09 (02): 2278-3075.
7. **J.Venkatesan**, "n-Dimensional fuzzy relations and operations", Journal of Information and Computational Science , 2019; 09 (11): 1548-7741.
8. **J.Venkatesan**, "Notion of intuitionistic fuzzy soft level subset subhemiring of a hemiring", AIP Conference Proceeding. , 2020;2261 (1): 0094243X.
9. **J.Venkatesan**, "Anti-Fuzzy Soft Subhemiring of a Hemiring", International Journal of Mathematics Trends and Technology, 2017: 47, 158-162, 2231-5373
10. **J.Venkatesan**, "Anti- homomorphism of fuzzy soft subhemirings of hemiring ", International journal for research in applied science and engineering technology , 2018; 171-173; 2321-9653

11. **J.Venkatesan**, "Q-homomorphism and anti q-homomorphism of level subhemirings of q-fuzzy soft subhemirings ", American International journal of research in science ,technology, Engineering and Mathematics , 2019; 1, 344-345; 2328-3580.
12. **J.Venkatesan**, "Interval valued Q-Fuzzy vague subhemirings of a hemiring", International Journal of Intelligent Systems and Applications in Engineering (IJISAE), 2024; 12(4), 3296–3303, ISSN: 2147-6799

#### **BOOK CHAPTER PUBLICATIONS:**

1. J.Venkatesan, "On Cartesian product over interval valued intuitionistic fuzzy matrix sets using python program in Fuzzy, intuitionistic and Neutrosophic set Theories and their Applications in Decision Analysis Page: 122-161, ISSN : 978-1-59973-821-5
2. J.Venkatesan, "Properties of intuitionistic fuzzy soft sets and its applications" in Fuzzy, intuitionistic and Neutrosophic set Theories and their Applications in Decision Analysis Page: 162-169, ISSN: 978-1-59973-821-5
3. J.Venkatesan, "A Cartesian product structure on social states and new resolutions" in Fuzzy, intuitionistic and Neutrosophic set Theories and their Applications in Decision Analysis Page: 170-174, ISSN : 978-1-59973-821-5
4. J.Venkatesan, "Cartesian product over two fuzzy matrix sets" in Fuzzy, intuitionistic and Neutrosophic set Theories and their Applications in Decision Analysis. Page: 175-198, ISSN : 978-1-59973-821-5

#### **ADDITIONAL PROFESSIONAL EXPERIENCE:**

1. Member in **Board of Studies (UG and PG Mathematics)**, Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
2. Member in **IQAC cell**, Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
3. Member in **Carrier and development cell**, Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
4. Member in **Discipline cell**, Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
5. Member in **Research and development cell**, Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
6. **External Question Paper setter** in Selvam Arts and Science College, Namakal and Thiyagarajar College, Madurai.

## CONFERENCES / SEMINARS/WORKSHOP ORGANIZED:

1. Convener in **“Two days National workshop on Ramanujan theory of Mathematics”** on 21 & 22 December 2021 in Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
2. Convener in **“Five days National workshop on How to Crack CSIR-UGC NET/SET/GATE Exams in Mathematical Science”** on From 27<sup>th</sup> to 31<sup>st</sup> December 2021 in Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.
3. Organizing Secretary in **“A Two day International Conference on new trends in fuzzy logic and its applications”** on 29<sup>th</sup> and 30<sup>th</sup> January 2021 in Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.

## PRESENTATIONS IN CONFERENCES / SEMINARS/WORKSHOP:

1. “Properties of  $q$  - fuzzy soft normal subhemiring of a Hemiring” International Conference on New Trends in Differential Equations and Applied Mathematics at Sri Vidya Mandir arts and Science College(Autonomous) (Autonomous) , April 12-13, 2021.
2. “Notion of Intuitionistic fuzzy soft level subset subhemiring of a hemiring” UGC **SAP** Sponsored International Conference on Advances in Applicable Mathematics at Bharathiyar University, Coimbatore, 21&22.02.2020.
3. “Intuitionistic anti- fuzzy soft subhemirings of a hemiring under homomorphism and anti-homomorphism”, International Conference on Innovations in Physical Sciences, Information Technology and social Sciences at Sri Vidya Mandir arts and Science College(Autonomous), Uthangarai - 14&15.02.2020
4. “A structure on an intuitionistic fuzzy soft normal subhemiring of a hemiring”, International Conference on Mathematical Modeling and Computational Methods in Science and Engineering at Alagappa university, karaikudi - 22,23,24.01.2020.
5. “Characterization of fuzzy ideals”, International Conference on Applications of Graph in Modern Technical world at Morappur Kongu College of Arts and Science, Morappur.- 9<sup>th</sup> Aug-2019.
6. “Some operations on Anti-fuzzy soft normal subhemirings”, International Conference on New Trends in Mathematical modeling with applications at Sri Vidya Mandir arts and Science College(Autonomous) , Uthangarai, 29<sup>th</sup>–July

2019.

7. "Intuitionistic fuzzy soft ideals of a hemiring. ", International Conference on New Trends in Mathematical modeling with applications at Sri Vidya Mandir arts and Science College(Autonomous) , Uthangarai , 30<sup>th</sup> –July 2019.
8. "Some properties of intuitionistic fuzzy soft subhemiring of a hemiring with homomorphism and anti homomorphism", National Conference on Contributions of Mathematics in Science and Technology at Bannari Amman Institute of technology, Sathyamangalam, 15<sup>th</sup> &16<sup>th</sup> Feb-2019.
9. "A Structure of level fuzzy soft subhemiring of a hemiring with properties" National Conference on Applied Mathematics and its applications, Sacred Heart college(Autonomous),Tirupattur 6<sup>th</sup>and7<sup>th</sup> Feb-2019.
10. "A study on Q-fuzzy soft subhemiring of a hemiring" National Level Seminar on Recent Developments in Mathematics at Morappur Kongu College of Arts and Science, Morappur, 29<sup>th</sup> Aug-2018.
11. "Intuitionistic fuzzy soft subhemirings of a hemiring under homomorphism and anti- homomorphism" International Conference on Applied and Computational Mathematics at Erode Arts and Science College, Erode,10<sup>th</sup> Aug-2018.
12. "Lower level anti-fuzzy soft subhemiring of a hemiring" National Conference on Mathematical Sciences and its applications at Thiruvalluvar University College of Arts and Science, Tirupattur, 22<sup>nd</sup> Mar-2018.
13. "Anti-homomorphism of fuzzy soft subhemiring of a hemiring " One day National Conference on Emerging Trends in Pure and Applied Mathematics at St.Joseph's College of Arts and Science for women ,Hosur, 13<sup>th</sup> Dec-2017.
14. "Notes on fuzzy soft subhemirings of a hemiring", International Conference on Discrete and Computational Mathematics at The Gandhigram Rural Institute-Deemed University, Gandhigram, 16-18 Feb-2017.
15. "Anti-fuzzy soft subhemirings of a hemiring" International Conference on Mathematical Applications in Engineering and Technology, Sacred Heart College, Tirupattur, 27<sup>th</sup> &28<sup>th</sup> Jan-2017.
16. "Some properties of fuzzy subalgebras" One day State Seminar Recent development in Mathematical Models, Don Bosco College, Dharmapuri, 2<sup>nd</sup> sep-2016.
17. "Isomorphism and anti-isomorphism of a fuzzy soft subhemiring of a hemiring" National Conference on Recent Trends in Applied Mathematics (NCRTAM16), St.Joseph's College of Arts and Science (Autonomous),Cuddalore, 22<sup>st</sup> &23<sup>rd</sup>

July-2016.

**PARTICIPATIONS IN WORKSHOP/ SEMINAR/SYMPOSIUM/TRANINING PROGRAMME:**

1. Participated in "Five Day virtual Training Programme on Environmental Sustainability and Research Ethics held on 14th to 18th March 2022 organized by Department of Chemistry, Physics and Mathematics, School of Physical Sciences and Computational Sciences, Avinashilingam Institute for Home Science and Higher Education for Women (Deemed to be University),Coimbatore.
2. Participated in "One Day Webinar on "Revised NAAC Criteria: A Glance" on 10th April 2021 at Internal Quality Assurance Cell (IQAC), Sri Vidya Mandir Arts & Science College (Autonomous), Katteri, Uthangarai, Krishnagiri District, Tamilnadu.
3. Participated in "National level online three day faculty development program on "Modern Applications of Vedic Mathematics" on 18.01.2021 to 20.01.2021 at Avinashilingam institute for home science and higer education for women, Coimbatore.
4. Participated in "Program on Documentation of Graph using Latex" on 13.05.2020at Abdul akeem College of engineering and technology.
5. Participated in "Webinar on Applications of Mathematics " on 19.05.2020 at Nallamuthu Gounder Mahalingam college (Autonomus),Pollachi.
6. Participated in "Online Webinar on Introduction to theoretical and computational fluid dynamics" on 15.06.2020 at KPRIET- Coimbatore
7. Participated in "Webinar on Fuzzy mathematics in various research fields" on 13.6.2020 at Hindustan College of engineering and Technology, Coimbatore
8. Participated in "Webinar on STATICS FOR DATA ANALYSIS " on 19.06.2020at Department of Mathematics, KPRIET- Coimbatore.
9. Participated in "International Workshop on Research Methodology in Mathematics" on 22.09.2016 at E.R.K Arts and Science College, Erumiyampatti.
10. Participated in "Seven day National workshop on "Pure Analysis, Differential Equations and its Applications" on 15-21.11.2018 at Sri Vidya Mandir Arts & Science College, Uthangarai.
11. Participated in "One day International workshop on "Mathematical Analysis and Applications " on 06.01.2018 at Sri Vidya Mandir Arts & Science College, Uthangarai.

12. Participated in “National seminar on Recent Trends and Applied Mathematics ” on 04.03.2019 at Selvam College of Technology

#### **PARTICIPATIONS IN FACULTY DEVELOPMENT PROGRAM (FDP):**

1. Participated in “One Week international Faculty Development Program on Mathematical Modeling and data analysis” on 23.12.2021 to 29.12.2021, AMET Deemed to be University, Chennai.
2. Participated in “e-Short Term Trainig Programme on Algebra and Analysis” 13<sup>th</sup> to 18<sup>th</sup> December 2021, SRM institute of science and Technology, Kattankulathur.
3. Participated in “Two days Faculty Development Program (FDP -2020) – Phase –I ching Techniques ” on 13.05.2020 to 16.05.2020, Sri Vidya Mandir Arts & Science College (Autonomous), Katteri, Uthangarai, Krishnagiri District, Tamilnadu.
4. Participated in “Faculty Development Program (FDP -2020) – Phase –II ” on 18.05.2020 to 22.05.2020, Sri Vidya Mandir Arts & Science College (Autonomous), Katteri, Uthangarai, Krishnagiri District, Tamilnadu.
5. Participated in “Faculty Development Program on Teaching Techniques” on 30 & 31 December 2016, ICT Academy.

#### **AWARDS RECEIVED WITH DETAILS:**

- **Best Teacher** Award -2014 in Sri Vidya Mandir arts and Science College (Autonomous), Uthangarai.

#### **REFERENCES:**

These persons are familiar with my professional qualifications and my character:

1. Dr. N.Anitha Assistant Professor and Head (i/c), Department Of Mathematics , Periyar University Centre for Post Graduate and Research Studies, Dharmapuri- 635205 Mail: [Anithaarenu@gmail.com](mailto:Anithaarenu@gmail.com)

#### **DECLARATION**

I hereby declare that the facts stated above are true and correct to the best of my knowledge.

Date: 11/07/2025

Place: Uthangarai

Signature

(Dr.J.VENKATESAN)