

**CONTACT
INFORMATION****Institutional Address**

Teaching Fellow,
Department of Mathematics
University College of Engineering, Panruti,
(A Constituent College of Anna University,
Chennai)
Panruti - 607 106
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Private Address

108, Melvadakuthu,
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Kurinjpadi Taluk,
Cuddalore - 607 303
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kselvan44@gmail.com

**PERSONAL
INFORMATION**

Father Name : R. Shanmugam
Mother Name : S. Tamizharasi
Date of Birth : 25.07.1987
Citizenship : Indian

Marital Status : Married
Gender : Male
Religion : Hindu
Community : MBC

**ACADEMIC
APPOINTMENTS**

- Teaching Fellow in Mathematics,** 29/12/2021 to Till date
- University/ Institution: *University College of Engineering, Panruti, (A Constituent College of Anna University, Chennai), Tamil Nadu, INDIA.*
- Assistant Professor in Mathematics,** 27/01/2021 to 28/12/2021
- University/ Institution: *Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry, INDIA.*
- Assistant Professor in Mathematics,** 08/08/2019 to 30/09/2020
- University/ Institution: *Agurchand Manmull Jain College, Chennai, Tamil Nadu, INDIA.*
- Teaching Fellow in Mathematics,** 24/12/2012 to 30/06/2019
- University/ Institution: *University College of Engineering, Panruti, (A Constituent College of Anna University, Chennai), Tamil Nadu, INDIA.*
- Assistant Professor in Mathematics,** 26/07/2012 to 19/12/2012
- University/ Institution: *Perunthalaivar Kamarajar Arts College, Madagadipet, Puducherry, INDIA.*

**EDUCATIONAL
QUALIFICATION**

- Doctor of Philosophy in Mathematics,** July 2023
- Title of the Thesis Title: ***FUZZY SOFT EXPERT SYMMETRIC GROUPS, SOFT EXPERT ROUGH FUZZY SETS AND THEIR APPLICATIONS***
 - Thesis Advisor: ***Dr. S. Vijayabalaji, Assistant Professor Sr. Gr***
 - University/ Institution: ***University College of Engineering, Panruti, (A Constituent College of Anna University, Chennai), Tamil Nadu, INDIA.***

Master of Philosophy in Mathematics, May 2011

- University/ Institution: *Pondicherry University, Puducherry, INDIA.*
- Class/Grade: *First class* **CGPA: 8.16**
- Project Title: *Balanced Exact Sequences*

Master of Science in Mathematics, May 2010

- University/ Institution: *Pondicherry University, Puducherry, INDIA.*
- Class/Grade: *First class* **CGPA: 8.33**

Bachelor of Science in Mathematics , April 2008

- University/ Institution: *Jawahar Science College, Neyveli, Tamil Nadu, INDIA.*
- Class/Grade: *First class* **Percentage: 80.72**

RESEARCH
INTERESTS

Fuzzy Soft Rough Theory, Algebra.

AWARDS

Qualified **CSIR-UGC JRF(NET).** July 2010

SOFTWARE
EXPOSURE

Programming languages: C and C++.
Text formatting and office computing: LaTeX, MS-Office.
Mathematica

PUBLICATIONS

1. **Shanmugam Kalaiselvan** & Srinivasan Vijayabalaji 2022, 'Soft expert symmetric group and its application in MCDM problem', *Symmetry*, vol. 14, no. 12, 2685. ISSN:2073-8994, **Impact Factor. 2.940.**
2. Srinivasan Vijayabalaji & **Shanmugam Kalaiselvan** 2020, 'A Study on Firerings', *Malaya Journal of Matematik*, vol. S no. 1, 220-226, ISSN:2321-5666, **Impact Factor. 1.300.**
3. Srinivasan Vijayabalaji & **Shanmugam Kalaiselvan** 2017 '*n*-inner product left Γ -linear space', *Asian Journal of Research in Social Sciences and Humanities*, vol. 7, no. 2, 865-877, ISSN:2249-7315, **Impact Factor. 0.676.**
4. Srinivasan Vijayabalaji, Sambandan Sivaramakrishnan & **Shanmugam Kalaiselvan** 2015, '*n*-normed left Γ -linear space', *International Journal of Applied Engineering Research*, vol. 10, no. 72, 10-14, ISSN:0973-9769, **Impact Factor. 1.300.**

PAPER
PRESENTED IN
INTERNATIONAL
CONFERENCES

1. Srinivasan Vijayabalaji & **Shanmugam Kalaiselvan**, 'A Study on Firerings', *International Conference on Advances in Applicable Mathematics (ICAAM 2020)*, 21st & 22nd February 2020, Bharathiar University, Coimbatore, India.
2. Srinivasan Vijayabalaji & **Shanmugam Kalaiselvan**, 'A Study on Firemodules', *International Conference on Pure and Applied Mathematics (ICPAM 2019)*, 15th & 16th February 2019, St. Joseph's College of Arts and Science, Cuddalore, India.
3. Srinivasan Vijayabalaji & **Shanmugam Kalaiselvan**, 'Hahn-Banach Theorem in n -normed Left Gamma-linear Space', *International Conference on Computational Fluid Flow and Heat Transfer (CFFHT 2018)*, 28th & 29th March 2018, Osmania University, Hyderabad, India.

PAPERS
PRESENTED IN
NATIONAL
CONFERENCES

1. Srinivasan Vijayabalaji & **Shanmugam Kalaiselvan**, ' Γ -flat and Γ -sharp in valuation Γ -ring', *National Conference on Emerging Trends in Mathematics (NCETM 2017)*, 28th July 2017, A.V.V.M. Sri Pushpam College, Poondi, India.
2. Srinivasan Vijayabalaji, **Shanmugam Kalaiselvan** Sambandan Sivaramakrishnan, 'Intuitionistic Fuzzy Metric Space of Root Type', *National Conference on Mathematical Modelling for Engineering (NCMME 2017)*, 8th April 2017, A.V.C. College of Engineering, Mannampandal, India.
3. Srinivasan Vijayabalaji, Sambandan Sivaramakrishnan & **Shanmugam Kalaiselvan**, ' n -normed Left Γ -linear Space', *Interdisciplinary National Conference on Soft Computing & its Applications (NCSCA 2015)*, 29th & 30th April 2015, University College of Engineering Tindivanam, A Constituent College of Anna University, Chennai, India.

TRAINING
PROGRAM
ATTENDED

1. Five Days Faculty Development Programme on '*Recent Advances in Applied Mathematics*' organized by Department of Mathematics, Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry, September 04-08, 2023.
2. '*Digital Marketing Course*', NSE Academy and Tamil Nadu Skill Development Corporation, Government of Tamil Nadu, Vellore Institute of Technology, February 13-17, 2023.
3. '*Bridge Course on Mathematics*', Centre for Faculty Development, Anna University, Chennai, June 24-25, 2015.
4. '*Discrete Mathematics*', University College of Engineering Villupuram, A Constituent College of Anna University, Chennai, May 20-26, 2015.
5. '*Bridge Course on Mathematics*', Centre for Faculty Development, Anna University, Chennai, June 20-21, 2014.
6. One Day Faculty Development Training Programme on '*Empowering Mathematics Skills for Engineering Mathematics*', Tamil Nadu State Council for Technical Education and Centre for Faculty Development, Anna University, Chennai, July 26, 2013.

INTERNATIONAL
CONFERENCES /
WORKSHOPS /
SEMINARS
ATTENDED

1. International Conference on '*Advances in Applicable Mathematics*' (ICAAM 2020), Bharathiar University, Coimbatore, February 21-22, 2020.
2. International Conference on '*Pure and Applied Mathematics*' (ICPAM 2019), St. Joseph's College of Arts and Science, Cuddalore, February 15-16, 2019.
3. International Conference on '*Computational Fluid Flow and Heat Transfer*' (CFFHT 2018), Osmania University, Hyderabad, March 28-29, 2018.
4. International Conference on '*Commutative Algebra and Algebraic Geometry*' (CAAG-2012), Pondicherry University, Puducherry, March 05-09, 2012.
5. International Workshop on '*Geometry of Banach Spaces and Best Approximation Problems*', Pondicherry University, Puducherry, January 09-12, 2012.
6. International Seminar on '*Algebra*', Pondicherry University, Puducherry, December 19-20, 2011.
7. International Conference on '*Non-Commutative Rings and Combinatorial Representation Theory*', Pondicherry University, Puducherry, September 02-03, 2010.

NATIONAL
CONFERENCES /
WORKSHOPS /
SEMINARS
ATTENDED

1. National Seminar on '*Intellectual Property Rights*', Agurchand Manmull Jain College, Chennai, October 10, 2019.
2. National Workshop on '*Gender Sensitisation-Ideal Work place Behavior With regard to Act*', University College of Engineering Tindivanam, A Constituent College of Anna University, Chennai, October 13, 2018.
3. National Seminar on '*Mathematics of Machine Learning*', IFET College of Engineering, Villupuram, October 14, 2017.
4. National Conference on '*Emerging Trends in Mathematics*' (NCETM 2017), A.V.V.M. Sri Pushpam College, Poondi, July 28, 2017.
5. National Workshop on '*Mathematical Modeling and Computational Techniques*', NIT Puducherry, Karaikal, July 15, 2017.
6. National Conference on '*Mathematical Modelling for Engineering*' (NCMME 2017), A.V.C. College of Engineering, Mannampandal, April 8, 2017.
7. Interdisciplinary '*National Conference on Soft Computing & its Applications*' (NCSCA 2015), University College of Engineering Tindivanam, (A Constituent College of Anna University, Chennai), April 29-30, 2015.
8. National Seminar on '*Number Theory and Cryptography*', Pondicherry University, Puducherry, January 30-31, 2012.
9. Silver Jubilee Seminar on '*Modern Mathematics*', Pondicherry University, Puducherry, November 28, 2011.
10. National Workshop on '*Recent Developments in Graph Theory*', Pondicherry University, Puducherry, February 07-09, 2011.

11. Lecture Workshop in '*Mathematics Differential equations: Theory, Methods & Applications*', Pondicherry University, Puducherry, December 16-18, 2010.

ONLINE
TRAINING
PROGRAM
ATTENDED

1. '*Three Days FDP on Descriptive Statistics Through R-Programming*', Department of Mathematics, KPR Institute of Engineering and Technology, May 26-28, 2020.
2. '*two days online FDP on Migration of it Infra Using Cloud*', Department of Applied Science under IQAC, PIET, Jaipur, May 20-21, 2020.
3. '*Two Days FDP on Statistical Application Using SPSS*', Dr. R. Ramanan JD, Chennai Organized by Internal Quality Assurance Cell and Shasun Knowledge Centre, May 16-17, 2020.
4. '*Faculty Awareness Programme on NBA to keep in touch with NBA Accreditation*', Internal Quality Assurance Cell(IQAC), PACE Institute of Technology and Sciences, Ongole, May 16, 2020.
5. '*Online FDP on Fuzzy Sets and Systems*', Department of Mathematics, Patri- cian College of Arts and Science, Chennai, May 16, 2020.
6. '*Faculty Awareness Program on NAAC Accreditation*', RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune, May 10-15, 2020.
7. '*FDP on Documentation of Graph using LaTeX*', Department of Science and Humanities, C Abdul Hakeem College of Engineering and Technology, Chennai, May 13, 2020.
8. '*One Week National Faculty Development Programme and Online Training on LATEX*', Sanjay Ghodawat University, Kolhapur is associated with Spoken Tutorial Project, IIT Bombay, April 27 - May 02, 2020.

ONLINE
WEBINAR
PROGRAM
ATTENDED

1. '*Webinar on Nanoscience and Nanotechnology : Concept of Today - Technology of Tomorrow*', Department of Mathematics, Vignana Bharathi Institute of Technology, Hyderabad, May 31, 2020.
2. '*Leadership Talk With Dr. Nilesh N Oak*', Expert (Indian Civilization & History) by MHRD's Innovation Cell, May 30, 2020.
3. '*Mathematical Documentation and Computation Using Online Tools*', PG & Research Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi, Tamil Nadu. India, May 28-29, 2020.
4. '*International Webinar*', hosted by Agurchand Manmull Jain College, Meenam- bakkam, Chennai - 600 114, May 27, 2020.
5. '*Webinar on A Glimpse on MATLAB*', Department of Physics, KPR Institute of Engineering and Technology, May 27, 2020.

6. '*Webinar on Prevention of Disease Control Through Solid Waste Management*', Department of Science and Humanities (Chemistry), K. Ramakrishnan College of Technology, Tiruchirappalli, May 27, 2020.
7. '*webinar on Stress Management*', Department of Business Administration, Agurchand Manmull Jain College, Chennai, May 16, 2020.
8. '*Leadership Talk With Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell*', Chief Innovation Officer, MHRD's Innovation Cell, May 16, 2020.
9. '*webinar on Basics of Solar Photovoltaic System*', Department of Electrical and Electronics Engineering, Karpagam Institute Of Technology, Coimbatore, May 13, 2020.
10. '*webinar on Project to Patent*', Department of Mechanical Engineering, Ramco Institute Of Technology, May 10-12, 2020.

ONLINE QUIZ
ATTENDED

1. '*Math Quiz - 2020*', PG and Research Department of Mathematics, Annai Vailankanni Arts and Science College, Thanjavur, May 31, 2020.
2. '*Online Quiz on Geotechnical Engineering*', Department of Civil Engineering, Chh. Shahu College of Engineering, Aurangabad, May 30, 2020.
3. '*Online Quiz Competition*', PG & Research Department Mathematics, K.M.G College of Arts and Science, Gudiyattam, May 30, 2020.
4. '*E - Quiz on Logical Reasoning*', Department of Mathematics, Dharmamurthi Rao Bahadur Calavala Cunnan Chetty'S Hindu College Shift - 2, May 29, 2020.
5. '*Online Quiz on Research Metrics in Scientific Publications*', Department of ECE, MLR Institute of Technology, Hyderabad, May 28, 2020.
6. '*Online Quiz on Applied Mathematics*', hosted by Department of Mathematics, Mohamed Sathak A.J. College of Engineering, Chennai, May 27, 2020.
7. '*online Quiz programe of Awareness on Covid-19 & Need Of Physical Activity*', Department Of Physical Education, Crescent Institute of Science and Technology, Chennai, May 25, 2020.
8. '*E-Quiz on Artificial Intelligence and Robotics*', Department of Instrumentation and Control Engineering in association with Instrument Society of India and A.V.C.College Of Engineering, Mayiladuthurai, May 23, 2020.
9. '*Online Math Quiz*', K. Ramakrishnan College of Technology, Tiruchirappalli, May 22, 2020.
10. '*Maths Quiz*', PG & Research Department of Mathematics, Nirmala College for Women, Coimbatore, May 22, 2020.

11. '*Covid-19 Online Quiz*', Department of Mathematics, Shanmuga Industries Arts and Science College, Tiruvannamalai, May 20, 2020.
12. '*E - Quiz Math Talent*', Hindusthan College Of Arts And Science, Coimbatore, May 20, 2020.
13. '*National Level Mathematics E-Quiznational Level Mathematics E-Quiz*', Department of Mathematics, Guru Nanak College (Autonomous), Chennai, May 17, 2020.
14. '*E - Quiz on Statistical Analysis*', Department of Mathematics, Guru Nanak College, Chennai, May 16, 2020.
15. '*State Level E-Quiz on Mathematics*', PG.Department of Mathematics, Mahalashmi Women'S College Of Arts And Science, Chennai, May 15, 2020.
16. '*Quiz on AICTE's E-learning Initiative during COVID-19*', Centre for Soft Skills Development, FE Department, Geethanjali College of Engineering and Technology, Telangana, May 13, 2020.
17. '*Online Test on Statistical Analysis*', Department of Mathematics with Computer Applications, Sri Malolan College of Arts and Science, May 12, 2020.
18. '*completed LaTeX test*', Sanjay Ghodawat University by Nilesh Vijay Sabnis with course material provided by the Spoken Tutorial Project, IIT Bombay, May 06, 2020.

DECLARATION I hereby, solemnly declare that all the details given above are true to the fullest of my knowledge and belief.

Date: 16.10.2023

Yours faithfully

Place: Panruti

Kalaiselvan. S