

CURRICULUM VITAE

Dr.S.KALAISELVI

Assistant Professor

Department of Mathematics

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➤ **Research Area:**

- General and Fuzzy Topology
- Topological Computations
- Topological Graph Theory

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Mathematics)	Anna university	2014		
M.Phil.	Bharathiar University	2007	81.67	Highly Commended
PG (Mathematics)	Sri GVG Visalakshi College for Women, Udumalpet, Bharathiar University	2006	9.25(CGPA)	First Class
UG (Mathematics)	Sri GVG Visalakshi College for Women, Udumalpet, Bharathiar University	2004	92.45	First Class with Distinction
PGDCA	Alagappa University (Distance Education)	2007	75.67	First Class

Experience:

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
University College of Engineering BIT	Assistant Professor	15.09.2009	Present	14 years

Campus,Tiruchirappalli				
Anna Univeristy Tiruchirappalli	Lecturer	04.07.2007	14.09.2009	2 years

➤ **Awards / Honours Received:**

1. Awarded as BEST NSS UNIT award for the year 2009 – 2010
2. Awarded as Young women Achiever Award for the year 2010 – 2011

➤ **Additional / Academic Responsibilities at University:**

- Serving as SIP Waste Management Coordinator from 2020 - present
- Served as NSS Programme Officer from 2007 – 2011
- Served as NSS Programme Coordinator from 27.5.2011 to 22.7.2011
- Served as YRC Programme Officer from 2009 – 2011
- Served as University Cultural Committee Member for the year 2010 – 2011
- Served as Anti ragging Practorial Committee member for the year 2012 – 2013, 2015 – 16.
- Served as Deputy Warden for Ladies hostel from Sep 2010 - Sep 2013

➤ **Membership of Scientific and Professional Societies:**

1. Indian Mathematical Society
2. Ramanujam Mathematical Society

➤ **Research Guidance : (Sup. Rec. Num:4170009)**

➤ **Publications:**

a. International Journals:

1. S. Kalaiselvi and V. Seenivasan Linear Algebraic Theory for Designing the Bus Topology to Enhance the Data Transmission Process, Wireless Personal Communications ,2022, Vol 126, Issue 1, Page num 401–420
2. S. Kalaiselvi and V. Seenivasan, Designing a Novel Star Topology using Operad Linear Differential Theory , Wireless Personal Communications , 2021, Vol.120, Issue 1, Page num 565 - 585.

3. S. Kalaiselvi and V. Seenivasan, Decision Making in Sports via Possibility Fuzzy Soft Set, Vol. 3 Issue 3 March 2017, International Journal of Engineering Technology and Applied Science, ISSN: 2395 -3853.
4. S. Kalaiselvi and V. Seenivasan, Application of Fuzzy Soft Set in Job Scheduling Problem, Volume 5 Issue III, March 2017 , International Journal for Research in Applied Science & Engineering Technology (IJRASET) , Page num. 173 – 176, ISSN: 2321-9653
5. S. Kalaiselvi and V. Seenivasan, Fuzzy Generalized Semi Generalized Closed Sets, Vol 95, Issue 3, 2014, International Journal of Pure and Applied Mathematics, Page num. 323- 33, ISSN 1311-8080.
6. V. Seenivasan and S. Kalaiselvi, “Soft gsg-closed Set in Soft Topological Spaces”, International Journal of Mathematics Trends and Technology , Vol. 4, Issue 10, November 2013, Page num. 196-200. ISSN : 2231- 5373.
7. V. Seenivasan and S. Kalaiselvi , “A New Class of Minimal and Maximal Sets via gsg Closed Set”, International Journal of Mathematical Analysis, Vol. 7, 2013, no. 52, 2595 – 2609. ISSN 1312-8876
8. V. Seenivasan and S.Kalaiselvi,” Pair wise Fuzzy α^* connectedness between fuzzy sets”, International Journal of Engineering, Computer Science and Mathematics, Vol.3, No:1-2, Jan-Dec 2012, Page num.37-40, ISSN: 0976-6146.

b. National Journals:

1. V. Seenivasan and S. Kalaiselvi, “Generalized Semi Generalized closed sets in Bitopological spaces”, Elixir ppl. Math , Vol 46, 2012, Page num. 8446-8450, ISSN : 2229-712X.

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- National Seminar on “Fuzzy Mathematical Modelling and Optimization Techniques” , 27th and 28th July, 2011, Anna University of Technology Tiruchirappalli
- A live Webinar on “Applied Mathematics”, 15.07.2020

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

- One week FDTP on “Engineering Mathematicss I” , 17th June to 22nd June 2019, University Collge of Engineering Dindugal,
- National Seminar on “Topology and its Applications in Various Fields” , 9th and 10th Feb, 2017, SRC College, Tiruchirappalli.

- Faculty Development Programme , “Enhancing Classroom Communication” ,18th to 31th July,2016, Anna University, Tiruchirappalli.
- Faculty Development Programme on “Emerging Trends in Mathematical Modelling and Simulation”, 8th to 14th May, 2015, Anna University, BIT Campus, Tiruchirappalli.
- National Seminar on “Differential Equations and Applications”, 4th and 5th Dec, 2013, Anna University, BIT Campus, Tiruchirappalli.
- Faculty Development Programme on “Recent trends in Mathematics” , 16th to 22nd Dec, 2013, Anna University, Tiruchirappalli.
- Workshop on “Strengthening Academic Leadership Traits and Good Governance”, 22nd to 24th Oct, 2013, Edumatic Solutions, Chennai
- Orientation Programme Conducted by Academic Staff College , Bharathidasan University, Tiruchirappalli., 1st to 28th Feb, 2013.
- Seminar on “Strategic Teaching Quality Management for Technical Teachers”, on 16th March 2013, Anna University Regional Centre, BIT Campus Tiruchirappalli.
- Seminar on “Research Methodolog”, 27th Aug, 2011, Anna University of Technology Tiruchirappalli
- National Symposium on “Nanorevelations- 2010” , 9th Sep, 2010, Anna University of Technology Tiruchirappalli
- Workshop on “Writing up for Thesis and Publications” , 4th and 5th Sep, 2010, PSG Tech, Coimbatore.
- Interstate Youth Exchange and Home Stay Programme, 9th to 18th Nov, 2009, Itanagar, Arunachal Pradesh.
- Seminar on “Management Research Methodologies” , 26th and 26th April , 2009, Anna University Tiruchirappalli
- Workshop on “Pilot Testing of Training Manual on Human Rights and Social Harmony” , 1st to 3rd June, 2009, RGNIYD, Sriperumbudur.

➤ **National / International Conferences organized / Participated:**

- Participated in the Conference “ Developing Scenario in Applied Science and Communicative English “ , 2nd and 3rd March, 2012, KCT, Coimbatore.

ONLINE PROGRAMMES ATTENDED

S.No	Name of the programme	Duration	Conducted by
1	Inculcating Universal Human Values in Technical Education (Faculty Development Programme)	20.12.2021 – 24-12-2021 (5 Days)	AICTE
2	Two-week Refresher course in Mathematics	16.03.2021 - 30.03.2021 (02 Weeks)	Ramanujan College in association with MHRD (MoE).
3	ICT Tools for Teaching, Learning Process & Institutes (Faculty Development Programme)	10.08.2020 – 21-08-2020 (02 Weeks)	PDPM IIIT, Design and Manufacturing Jabalpur
4	Advanced concepts for Developing Moocs (Faculty Development Programme)	02.07.2020 – 17.07.2020 (02 Weeks)	Ramanujan College, in association with MHRD (MoE)..
5	Basic Science and Communication for faculty (Industrial Training Programme)	08.06.2020 - 26.06.2020 (03 Weeks)	RGMTTC, BSNL, TN-Circle, Chennai
6	Managing Online Classes & Co-creating MOOCS 2.0 (Faculty Development Programme)	18.05.2020 – 03.06.2020 (02 Weeks)	Ramanujan College, in association with MHRD (MoE).

NPTEL SWAYAM PROGRAMMES ATTENDED

S.No	Name of the programme	Duration	Conducted by
1	Descriptive Statistics with R Software – (FDP)	Feb – April 2021 (08 Weeks)	NPTEL – AICTE
2	A basic course in number theory- (FDP)	Sep-Dec 2020 (12 weeks)	NPTEL – AICTE
3	Mathematical Methods and its	(Jan-Apr 2020)	NPTEL – AICTE

	Applications –(FDP)	(12 weeks)	
4	Introduction to Abstract and Linear Algebra – (FDP)	Aug- oct - 2019 (08 Weeks)	NPTEL – AICTE
5	Introductory Mathematical Methods for Biologist – (FDP)	Feb – April 2019 (08 Weeks)	NPTEL – AICTE
6	Probability & Statistics – (FDP)	Jan – April 2019 (12 weeks)	NPTEL – AICTE
7	Introduction to Operations Research – (FDP)	Aug – Sep 2018 (12 weeks)	NPTEL – AICTE
8	Ordinary and Partial Differential Equations and Applications – (FDP)	Jul – Oct 2018 (12 weeks)	NPTEL – AICTE

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

- Reviewer of Journal of Advances in Mathematics and Computer Science
- Reviewer of Asian Journal of Mathematics and Computer Research
- Reviewer of Asian Research Journal of Mathematics
- Reviewer of Advances in Research
- Reviewer of Asian Journal of Probability and Statistics
- Reviewer of International Journal of Research and Analytical Reviews
- Acted as Doctoral Committee member
- NEP 2020 Translator of Technical Books in Regional Language scheme of AICTE for First Year
- Delivered a guest lecture on "Research Writing in Mathematics" Webinar, 12th June, 2021, Patrician College of Arts and Science, Chennai. (ONLINE)
- Delivered a guest lecture on "Number Theory and Modular Arithmetic" Webinar, 12th October 2020, PA College of Engineering and Technology, Pollachi. (ONLINE)

- Delivered a guest lecture on "Laplace Transform and Fourier Series" Webinar, 23rd May, 2020, Soka Ikeda College of Arts and Science for Women, Chennai. (ONLINE)
- Delivered a guest lecture on "The Pinnacle of decision making", 2nd March, 2020, Sri GVG Visalakshi College for Women, Udumalpet.
- Delivered a guest lecture on "Game Theory", Student Development Programme, 24th September 2019, AIMEN College of Arts And Science, Tiruchirappalli.

DECLARATION:

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

member

Signature of the staff

Head of the Department

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