

PROFILE

Name: Dr.K.Srividhya

Designation: Assistant Professor

Qualification: M.Sc.,M.Phil.,SET.,Ph.D

Date of Joining: 23.08.2021



Publications:

1. K Srividhya, S.Sendhamizhselvi “Estimation of mean time to recruitment for a two grade manpower system with two sources of depletion and two types of policy decisions when breakdown thresholds has three components”. Proceedings of the national level conference “modern trends in mathematics” ShriMati Indira Gandhi College, Trichy, 2016.
2. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with single threshold, single source of depletion when inter policy decisions form an order statistics”. IOSR(Journal of Mathematics): 13(3):33-38,2017,ISSN(print):2319-765X,ISSN(online):2278-5728.Impact Factor:3.97
DOI: 10.9790/5728-1303013338
3. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with single threshold, single source of depletion when inter policy decisions form a geometric Process”. International Journal of Mathematics Trends and Technology (IJMTT), 45(1),1-5, May 2017, ISSN(print):2349-5758,ISSN(online):2231-5373,Impact Factor:2.53.
DOI: 10.14445/22315373/IJMTT-V45P502
4. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with single threshold, single source of depletion when wastages form a geometric process and inter policy decisions forms an ordinary Renewal process, an order statistics”. International Journal of Science and Research (IJSR):6(10), 1705-1709, October 2017,ISSN(online): 2319-7064,Impact Factor (2015): 6.391
DOI: <http://dx.doi.org/10.22457/apam.v15n2a22>
5. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with single threshold, single sources of depletion when wastages form a geometric process and inter decision time form geometric process, correlated”. International journal of Research in

Applied Science and Engineering Technology (IJRASET):5(X), 1949-1955, October 2017,ISSN(online):2321-9653,Impact Factor:6.887

DOI: 10.22214/ijraset.2017.10284

6. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with single threshold, single source of depletion when wastages form an order Statistics”. International Journal of Current Research and Modern Education(IJCRME):special issue,30-37, July 2017, ISSN (online) :2455-5428,Impact Factor 6.725
7. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system when wastages are correlated”. International journal of Innovative Research in Science and Engineering and Technology (IJRSET): 6(8),17551- 17561August2017,ISSN(print):2347-6710,ISSN(online):2319-8753, Impact Factor 7.089
DOI: 10.15680/IJRSET.2016.0608295
8. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with two sources of depletion when the breakdown threshold distribution follows SCBZ property”. International Journal of Innovative Research and Advanced studies (IJIRAS):4(11), 326-330, November 2017, ISSN: 2394-4404.
9. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with two sources of depletion when wastages form an order statistics and breakdown threshold distribution follows SCBZ property”. Presented at Jamal Mohamed College International Conference and published in Annals of Pure and Applied Mathematics (APAM): 15(2),357-373,Dec 2017,ISSN(print) :2279-087X ,ISSN(online):2279-0888.
DOI: 10.22457/apam.v15n2a22
10. K Srividhya, S.Sendhamizhselvi “Mean time to recruitment for a multi grade manpower system with two sources of depletion and constantly correlated inter-policy decision times when the breakdown threshold distribution follows SCBZ property”. International Journal of Pure and Applied Mathematics (IJPAM): 18(10), 2018, 211-222, ISSN (print):1311-8080, ISSN (online):1314-3395, Impact Factor: 0.385.
DOI: 10.12732.ijpam.v118i10.63
11. S.Dhivya,K.Elangovan,G.Ravichandran,K.Srividhya , “A stochastic model on time to recruitment in a single grade manpower system with cluster of exits”, International journal of Aquatic Science(IJAS),12(02),2021,2747-2752.ISSN:2008-8019
12. G.Ravichandran and K.Srividhya , “ Mean square deviation of time to hiring in a single grade work force structure with clump of egresses and a random threshold”, Advances and applications in Mathematical Sciences.21(8),June2022,4615-4623.

13. K.Srividhya ,S.Vidhya , “ Mean square deviation of time to hiring in a single grade work force structure with clumps of correlated egresses and a random threshold” communicated to Scopus indexed journal jan 2023.
14. G.Ravichandran ,K.Srividhya , “ Moments on time to hiring in a single grade workforce structure with clump of classified egresses and a random threshold” , Communicated to UGC cared journal jan 2023.
15. K.Srividhya, “Stochastic models for time to hiring in a single grade workforce system having two sources of decomposed Poisson process for classified exits and two independent thresholds” communicated to publish in multi-disciplinary Science Journal (which is indexed in SCOPUS) , March 2023.

Conference / Workshops attended:

- **Participation in summer schools, workshops, seminars, conferences, symposia etc.**

S.No	Name of the institution	Topic	Date
1.	Shri mathi Indira Gandhi College,Trichy	National seminar on “Mathematics and its application”	19.09.2011
2.	Nehru memorial College,Puthinampatti	Workshop on R programming	25,26.09. 2015
3.	National College,Trichy	Training program on LATEX	23-27.09. 2013, 14-15 .09. 2015
4.	National college (in collaboration with Indian statistical institute)	Symposium on “Mathematical analysis”	9 .12. 2014
5	Bharathidasan university (supported by Indian statistical institute – Chennai)	Symposium on “various techniques in mathematical statistics and its application”	28 .02. 2015
6	Jamal Mohammed College,Trichy	International conference on “Mathematical methods and computations”	11.12. 2017
7	A.V.M Shri Pushpam College,Poondi	National conference on “ Emerging trends in	28 .07. 2017

		mathematics”	
8	Shrimathi Indira Gandhi College	National seminar on “Modern trends in Mathematics”	22.12.2016
9	Bharathidasan University (sponsored by IAS- Bengaluru, INSA- New Delhi, NAS- Allahabad)	Science academics lecture workshop on Algebra	16-18.08.2018
10	Bishop Heber College, Trichy	Heber international conference on Applied Mathematics, Management , Computer Science and Statistics.	18.03.2022
11	St.Joseph’s Institute of Management(JIM), Trichy	International conference on Dynamic Business Environment	09.01.2023
12	V.H.N .Senthikumara nadir college,virudhunagar,&National College,Trichy	International conference on Recent Trends & innovations in Science, Engineering and Social Science.	10.02.2023- 11.02.2023
13	Srinivasa Ramanujan Centre , Kumbakonam	International Conference on Mathematics and its Applications in technology(ICMAT2023)	24.03.2023 – 25.03.2023

- **Participation in summer schools, workshops, seminars, conferences, symposia etc.-
ONLINE**

S.No	Name of the institution	Topic	Date
1	Jamal Mohamed college, Trichy (in collaboration with spoken tutorial project, IIT Bombay)	Workshop : GeoGebra 5.04 and R Programming	11.05.2020- 14.05.2020
2	G T N Arts College ,Dindugal	Webinar : qualitative analysis of	21.05.2020

		differential equations and its application	
3	NSSTC, Ottapalam, Kerala	FDP: “Techno-Pedagogical aspect of global competency in higher education”	22.5.2020 - 27-05.2020
4	Bon Secours College for Women, Thanjavur.	FDP : Research methods and writing skills in mathematical science	25.05.2020 – 27.05.2020
5	Sacred heart college (Autonomous) Tirupattur	Introduction to machine language	29.05.2020
6	JNTUH College of Engineering Sultanpur (spoken tutorial project, IIT Bombay)	FDP: Sci Lab	25.05.2020 – 30.05.2020
7	SSN college of Engineering, Chennai	Workshop : Linear Algebra	01.06.2020-02.06.2020
8	Dharmamurthi Rao Bahadur Calavala Cunan Chettys Hindu College	FDP : Python programming	10.06.2020-15.06.2020
9	St.Joseph’s College (Autonomous), Trichy	Webinar : CSIR problems solving techniques in algebra and analysis	17.06.2020 – 18.06.2020
10	Ururu Dhanalakshmi College, Trichy	Webinar : Inner product space	06.07.2020
11	NPTEL(IITM)	FDP : Numerical Linear Algebra	10 week course

Books Published: NIL

Lectures:

	Name of institution	Topic	Date
1	Mahatma Arts and	Tips for	25.03.2015

	Science college, Ariyur, Pudhukottai	Competitive examination	
2	Servite arts and science college for women, Thogaimalai	Graph theory and its application in real life	19.09.2017
3	Bishop Heber college Trichy	Financial decision making using LPP model	29.5.2020 (Online)

Experience:

TEACHING

- Assistant professor of Mathematics (UAP)** **13.06.2007 – 22.08.2021**
National College, Trichy
Promoted as head of department 2011 – 22.08.2021
(Unaided Program)
- Assistant professor of mathematics** **13.06.2004 – 31.05.2007**
Christuraj College, Trichy
Research experience: 7 Years (M Phil)
Other teaching experience: CMA foundation,
Engineering mathematics

OTHER WORK

- Investigator,** **30.04.2003 – 31.12.2003**
National Sample Survey Organisation,
Ministry of statistics and Program implementation
Government of India

Achievements: NIL

Research:

(i) Ph.D Guided: NIL

(ii) Sponsored Research: MRP by National College Rs.20000

Membership: NIL

Extension Activities: Coordinator for Maths Fun club& Youth Red
Cross (YRC)