

Faculty Profile



Mr.K Thirumalai
M. Sc., M.Phil., (Ph.D.)

HIGHLIGHTS:

- Number of Journal Publications:05
- H-Index: 1
- Project Funding Received:Nil
- Patents Published:Nil
- Patents Granted:Nil

PROFESSIONAL LINKS:

1. Scopus ID: 57220051074
2. Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57220051074>
3. Google Scholar ID: <https://scholar.google.com/citations?user=HBZTuRAAAAJ&hl=en>
4. Anna University Faculty ID: 2122045
5. AICTE Faculty ID:1-4639441370
6. Anna University Supervisor ID: Nil
7. LinkedIn: https://www.linkedin.com/feed/?trk=guest_homepage-basic_nav-header-signin

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 14 years
- Industrial Experience: Nil

INTERNATIONAL EXPOSURE:

- Nil

AREA OF SPECIALIZATION:

- Fuzzy Optimization
- Numerical Methods

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING:

- **Full Time Scholars:**
- **Part Time Scholars :**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Nil

PATENTS PUBLISHED/GRANTED:

- Nil

COURSES CERTIFIED:

- NPTEL Online Certification Course “The joy of Computing using Python” 12 week course completed.
- NPTEL Online Certification Course “ Computational Mathematics with SageMath” 12 week course completed.
- NPTEL Online Certification Course “ Scientific Computing using Matlab” 12 week course completed.

Journal Publications

1. Kavitha, N., and **K. Thirumalai**. "A study on error estimates of weighted Newton-Cotes quadrature formulae." AIP Conference Proceedings. Vol. 2282. No. 1. AIP Publishing, 2020.
2. **Thirumalai, K.**, and N. Kavitha. "The effect of finite difference approximations in solving Dirichlet boundary value problem." AIP Conference Proceedings. Vol. 2282. No. 1. AIP Publishing, 2020.
3. **K. Thirumalai**, G. Uthra, V. Anandan, “An Evaluation of Covariance and Correlation Analysis in Entropy Method”, Indian Journal of Science and Technology 16(34): (2023), 2746-2752. <https://doi.org/10.17485/IJST/v16i34.1651>. (Web of Science).
4. **K. Thirumalai**, G. Uthra, V. Anandan, “Modelling And Optimization Of Complex Interactions In Multivariate Systems Using Design Expert”, Journal of Non linear Analysis and Optimization, Vol.14, No.1, (2023), ISSN: 1906-9685. (UGC care list Group I).
5. **K. Thirumalai**, G. Uthra, V. Anandan, “Enhancing Turning Precision: A Novel Fuzzy MOORA Approach”, IPE Journal of Management, ISSN 2249-9040 Volume 14, No 19, January-June 2024. (UGC care list Group I).

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. A Hybrid A-CRITIC and Modified MOORA for Enhanced turning Optimization at the International Conference on Innovations in Science and Humanities (ICISH 2024) organized by the Department of Science and Humanities, **Saveetha Engineering College**, Chennai during 18th - 19th July 2024.

2. An Optimization technique based on predictive analysis for enhanced mattress inventory management at the International Conference on Advanced Technology in Engineering and Management (ICATEM 2024) organized by Saveetha Engineering College & **DE MONTFORT University, Dubai** during 18th– 25th March 2024.
3. International conference on Advancements in Materials and Manufacturing organized by Department of Aeronautical Engineering and Mechanical Engineering, **MLT Institute of Technology** during 16th -17th February 2024.
4. Five Days Online FDP on “Mathematical Modeling in Real-Life Problems” organized by the Division of Mathematics, School of Advanced Sciences, **Vellore Institute of Technology**, Chennai during the dates 21st to 26th April 2022.
5. A Comparative Study of Covariance and Correlation Analysis in Entropy Method at the International Conference on Innovations in Science and Humanities (ICISH 2023) organized by the Department of Science and Humanities, **Saveetha Engineering College**, Chennai during 19th - 20th April 2023.
6. International conference on Advances in Science, Humanities and Technology (ICASHT-2023) organized by Department of Physics, **SIMATS** during 9th to 10th January 2023.
7. Two-Day Online National Workshop on “Mathematical Tools – MATLAB & Mathematica” organized by the Division of Mathematics, School of Advanced Sciences, **Vellore Institute of Technology**, Chennai on 30th and 31st January 2023.
8. Five days Online FDP on “Mathematical Modeling in Real-Life Problems - Series 2” organized by the Division of Mathematics, School of Advanced Sciences, **Vellore Institute of Technology**, Chennai from 31st October to 4th November 2022.
9. International conferences on Analysis and Applied Mathematics (ICAAM-2022) held at Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi during 26th -28th April 2022.
10. 5-Days Online FDP on “Mathematical Modeling in Real-Life Problems” organized by the Division of Mathematics, School of Advanced Sciences, **Vellore Institute of Technology**, Chennai during the dates 21st to 26th April 2022.
11. Five days online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 12 July, 2021 to 16 July, 2021.
12. One week International FDP on Applicable Mathematics and Programming in Science and Technology conducted by Department of Mathematics, **Mohamed Sathak A J College of Engineering** from 7-6-2021 to 12-6-2021.
13. Five days Online Faculty Development Programme and successfully completed the hands on training in Python Programming, held during 10.06.2020 to 15.06.2020 organized by Department of Statistics, **DRBCCC Hindu College**, Chennai, Tamilnadu, in collaboration with Spoken-Tutorial Project, IIT Bombay.
14. Attended and completed **Saveetha Teaching Learning Centre** organized FDP on ICovid 20 from 6th April 2020 to 8th May 2020.
15. One Week National Level Online Faculty Development Programme, which includes hands on training in R Language, held during 13.05.2020 to 20.05.2020, organized by the PG and Research Department of Mathematics, **Auxilium College (Autonomous)**, Vellore, Tamil Nadu, in collaboration with Spoken-Tutorial Project, IIT Bombay.

16. Workshop on Algebra and Number Theory Organized by **Saveetha Engineering College** held on 28.06.2019 to 29.06.2019.
17. Workshop on Pedagogy for online and Blended Teaching- Learning Process Organized by **IIT BX**(ONLINE) held on 03.05.2018 to 18.06.2018.
18. Workshop on One – Day hands on Training in LATEX Organized by **Saveetha Engineering College** held on 04.02.2017.

PROFESSIONAL MEMBERSHIPS:

- Indian Mathematical Society (Membership - L/2023/232)

OTHER DETAILS (If any):