



MOBILE: 8220508437

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### Objective

I intend to build a career in a leading corporate hi-tech environment with committed and dedicated people, which will help me explore myself and realize my potential. I am willing to work as a key player in a challenging and creative environment. My lifetime ambition is to build our nation and to promote my students with qualified education and strong mathematical background.

### Area of Specialization

- Differential Equations
- Applied Mathematical Modeling
- Inventory Control
- Operations Research
- Supply Chain Management

### Specialized Qualification

- Worked as a Direct-SRF, CSIR-HRDG, New Delhi from 01-11-2020 to 05-12-2021.
- Working as an Assistant Professor of Mathematics, G.T.N Arts College, Dindigul from 06-12-2021 to till date.

### Publications

SI. NO.	Name of the journal	Title of the research paper	Year/Vol. No./Page No.	ISSN No. & Impact Factor
1.	Journal of Industrial Engineering International	An economic production model for deteriorating items and time dependent demand with rework and multiple production setups.	vol. 13, pp. 499–512, year 2017.	ISSN: 1735-5702 & IF: - (SPRINGER-SCOPUS)
2.	International Journal of Services and Operations Management	Inventory lot-size policies for deteriorating items with expiration dates, advance payments and shortages under trade credit.	vol. 34, pp. 111–140, year 2019.	ISSN: 1744-2370 & IF: - (INDERSCIEN CE-SCOPUS)
3.	RAIRO-Operations Research	A novel approach to safety stock management in an integrated supply chain with	vol. 54, pp. 1327–1346,	ISSN: 0399-0559 & IF: 1.393

		controllable lead time and ordering cost reduction using present value	year 2020.	(SCI)
4.	Communications in Applied Analysis	An inventory model for deteriorating pharmaceutical items with time dependent demand under complete backlogging.	vol. 4, pp. 511-530 year 2018	ISSN: 1086-2564 & IF: -----
5.	AIP Conference Proceedings	A comparative study on stock dependent production model for deteriorating items with carbon emission, rework and multiple production setups	vol. 2261, year 2020	ISSN: 1551-7616 & IF: ----- (SCOPUS)
6.	International Journal of Business Performance and Supply Chain Modelling	A Novel Integrated Approach on Growing Supply Chain for Multi-Species Poultries with Carbon Emission and Preservation Technology	Vol. 13, no. 2 pp. 198-220 Year -2022	- (INDERSCIENCE-SCOPUS)
7.	Cleaner Engineering and Technology, 100547.	A stochastic constrained optimization on multi-echelon renovated supply chain with sustainable production and transportation.	Year -2022	- (ELSEVIER-SCOPUS)
8.	International Journal of Mathematics in Operational Research	Optimization on a constrained integrated supply chain for multiple steel products with investment and freight cost discount	Accepted for publication	- (INDERSCIENCE-SCOPUS)

**Seminars/Conferences/Workshops attended:** 6 International & 1 National

**Faculty Development Program (FDP):**

1. Participated in 5 days National level FDP on “Recent Advances in Mathematics” conducted by Department of Mathematics, School of Advanced Sciences, Vellore Institute of Technology” held from 08/08/2022 to 12/08/2022.
2. Participated two-week online FDP on “Current Trends in Application of Mathematics” conducted by Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai from 21.09.2022 to 04.10.2022.

**Academic Chronicle**

Course / Examination	Institution	Board / University	Year of Passing	Percentage of Marks
Ph.D., Mathematics	The Gandhigram Rural Institute (Deemed to be University)	The Gandhigram Rural Institute (Deemed to be University)	2022	92.65 (Course work)
M.Phil., Mathematics	Madurai Kamaraj University.	Madurai Kamaraj University.	2016	86.11
M.Sc., Mathematics	Bharathiar University, Coimbatore.	Bharathiar University, Coimbatore.	2015	82.2
B.Sc., Mathematics	Avinashilingam Deemed University for Women, Coimbatore.	Avinashilingam Deemed University for Women, Coimbatore.	2013	88.33
HSC	St. Joseph's Girls Higher Secondary School, Dindigul.	State Board Tamil Nadu	2010	82.33
SSLC	St. Joseph's Girls Higher Secondary School, Dindigul	State Board Tamil Nadu	2008	93.2

**Area of Interest**

- Numerical Analysis
- Stochastic Process
- Queuing Theory
- Differential Equations
- Real Analysis
- Non-linear Differential Equations
- Topology
- Quantitative Aptitude
- Mechanics
- Statistics

**Mathematical Software Known**

- LATEX
- MATLAB
- Mathematica

**Computer Proficiency**

- Operating Systems: WINDOWS XP, 7, 8, 10

- Languages: C, C++
- Package: MS Office

**Strength**

- Self-confident person
- Problem facer
- At any critical situation I will not be tired; I always try to reach my goal.
- Hard worker

**Personal Profile**

- Name :Tharani. S
- Father Name :Subbaih. V
- Date of Birth : 27-11-1992
- Sex : Female
- Permanent Address : 28, Ganapathy Nagar,  
Athumedu, Vedasandur,  
Dindigul(dt)-624710.
  
- Languages known : Tamil &English.
- Nationality : Indian
- Marital Status : Married
- Blood Group : A1+ve
- Mobile Number : 8220508437, 9080634002

**Declaration**

I hereby declare that the information furnished above is true to thebest of my knowledge.

Thanking you,

**Place: Vedasandur**

**Date :**

**(S. Tharani)**