

CURRICULUM VITAE

Dr.S Therasa
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Department of Mathematics
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➤ **Research Area:**

- Automata Theory
- Graph Theory

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion
Ph.D. (Mathematics)	St. Joseph's College (Autonomous) Tiruchirappalli	2019
M.Phil.	St. Joseph's College (Autonomous) Tiruchirappalli	2006
PG (Mathematics)	Holy Cross College (Autonomous) Tiruchirappalli	2004
UG (Mathematics)	Holy Cross College (Autonomous) Tiruchirappalli	2001
B.Ed	IGNOU UNIVERSITY	2009

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
Anna University, Tiruchirappalli	Assistant Professor	23.09.2009	TILL NOW	14
Bharathidasan University Constituent arts and science college	Guest Lecturer	03.11.2008	22.09.2009	10 Months

Holy Cross College (Autonomous) Tiruchirappalli	Lecturer	20.07.2005	31.10.2008	03
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➤ **Additional / Academic Responsibilities at University :**

1. SAP - Water Management Coordinator

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

1. The Indian Society for Technical Education
2. Ramanujan Mathematical Society

➤ **Fellowships and Grants received:**

1. Seed Money Grant (TEQIP)

• **Publications:**

a. International Journals:

1. NLC Graph Grammars for Generating Graph Classes, South Asian Journal of Mathematics and Mathematical Sciences, 2022, VOL : 21, pg . No: 79-86, ISSN 0972- 7752
2. Some operations on Multi-Hypergraph Grammar, International Journal of Applied Engineering Research, 2018, VOL : 13 No:16 (2018), Pg. No : 12892 – 12910, ISSN online: 0973-4562
3. Multi-Hypergraph Grammar, International Journal of Computer and Mathematical Sciences 2017, VOL: 8 (12), Pg no: 727 - 738, ISSN 2319 - 8133 (online)
4. Generating and Coloring some family of graphs using Hypergraph Grammar, International Journal of Applied Graph theory, 2017, VOL : 1 No:2, Pg. No: 53 to 73, ISSN 2456-7884.

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

- Two days Workshop on “Mathematike in Engineering” - 03.12.13 - 04.12.13
- Two Days Seminar on “Applications of Mathematics” - 01.08.16 - 02.08.16
- Faculty Development Programme on “ Graph Theory and Applications” - 22.05.17 - 28.05.17
- Two Days Workshop on “Professional writing using Latex “ - 05.04.23 - 06.04.23

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

- Recent Trends in Applied Mathematics - 2.12.2004 – 3.12.2004 - St. Joseph's College Tiruchirappalli
- Novel approach in graph theory, fuzzy mathematics and stochastic models - 2.12.2008 - 3.12.2008 - Holy Cross College, Tiruchirappalli.
- Seminar - Differential Equations and Applications - 04.12.13 - 05.12.13
- Orientation Programme - Pondicherry University - 19.12.2012 - 5.01.2013
- FDP - Recent trends in Mathematics RTIM'13 16.12.13 - 22.12.13
- Refresher Programme in Mathematics - 05.11.14 - 25.11.14
- FDP - Emerging Trends in Mathematical Modeling and Simulation -08.05.15 - 14.05.15
- FDP- Learning improvement Techniques - 25.02.16 - 27.02.16
- Recent Trends and Applications of Mathematics in Computing -08.06.16 - 21.06.16
- Refresher Course in Mathematics - 16.3.21 – 30.3.21
- Advanced concepts for developing MOOCS - 02.7.2020 - 7.07.2020
- Inculcating Universal Human Values in Technical Education -14.3.2022 -18.3.2022
- Outcome Based Learning - 4.6.2020 - 11.6.2020
- Faculty Induction Programme -22.3.2023– 20.4.2023
- Industrial Training on Basic Science and Communication -08.6.20 – 26.6.2020
- NPTEL – Ordinary and Partial Differential Equations and Applications
- NPTEL - Introduction To Linear and Abstract Algebra
- NPTEL – Transform Calculus and its Applications in Differential Equations

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

- Presented a research article in the National Conference on Mathematical Sciences and Applications - 2014 entitled “Intuitionistic Fuzzy Hypergraph Grammar” St. Joseph's College Tiruchirappalli
- Participated in UGC Sponsored International conference on Discrete Mathematics -2015 “
- Presented a research article in the International Conference on Mathematical Sciences and Applications - 2020 entitled “Product Hypergraph Grammar”, St. Joseph's College Tiruchirappalli
- Presented a research article in the International Conference on Mathematical Sciences and Applications - 2022 entitled “Algorithm to find minimal dominating set in Hypercube graph”, St. Joseph's College Tiruchirappalli

Guest lectures delivered:

- Graph Grammars - Holy Cross College , Tiruchirappalli
- Derivative of an implicit function - SRM Trichy

DECLARATION:

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

Signature of the staff member

Head of the Department

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