

# RESUME

## Department of Mathematics (Aided)

1. Name : N. MOHAMED THOYAB  
2. Gender : Male  
3. Designation : Assistant Professor  
4. Date of Birth : 24-05-1989  
5. Address :

### Residential

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### 6. Educational Qualifications:

	Examinations Passed	Year
Master's Degree	<i>M.Sc (Mathematics)</i>	2012
Research Degree	<i>M.Phil(Mathematics)</i>	2015
	Ph.D (Mathematics)	Thesis Submitted
Education Degree	<i>B.Ed(Mathematics)</i>	2010
<i>UGC-SET</i>	<i>Mathematical Science</i>	2012

7. Experience:

Under Graduate: 10years 4 months

Post Graduate: 10years 4 months

8. Languages Known: Tamil, English.

9. Area of Specialization: Algebra, Dynamical System.

10. Subjects taught:

Under Graduate:

1. Basic Mathematics
2. Calculus
3. Sequences and series
4. Algebra
5. Real analysis

Post Graduate:

1. Algebra
2. Linear Algebra

11. SWAYAM/ NPTEL COURSE:

1. Completed **8 weeks NPTEL** online course on “Introduction to Abstract and Linear Algebra” organized by **IIT Kharagpur**.
2. Completed **8 weeks NPTEL** online course on “Introduction to Rings and Fields” organized by **Chennai Mathematical Institute (CMI)**.

12. Publications:

**Papers published in Science Citation Indexed (SCI) journals with JCR impact factors 2022 :**

1. “New Global Asymptotic Robust Stability of Dynamical Delayed Neural Networks via Intervalized Interconnection Matrices”, N Gunasekaran, **N. Mohamed Thoiyab**, Q Zhu, J Cao, P. Muruganatham, **IEEE Transactions on Cybernetics**. DOI:10.1109/TCYB.2021.3079423. [**JCR Impact Factor: 19.118**].

2. “Novel results on global stability analysis for multiple time-delayed BAM neural networks under parameter uncertainties”, **N. Mohamed Thoiyab**, P. Muruganatham, Q

Zhu, N Gunasekaran, **Elsevier, Chaos, Solitons & Fractals** 152, 111441, (2021)  
DOI:10.1016/j.chaos.2021.111441. [JCR Impact Factor: 9.922].

3. “Novel results on global robust stability analysis for dynamical delayed neural networks under parameter uncertainties”, N Gunasekaran, **N. Mohamed Thoiyab**, P Muruganantham, G Rajchakit, B Unyong, **IEEE Access**, 8, 178108-178116,(2020). DOI: **10.1109/ACCESS.2020.3016743**. [JCR Impact Factor: 3.476]

4. “Global Stability Analysis of Neural Networks with Constant Time Delay via Frobenius Norm”, **NM Thoiyab**, P Muruganantham, G Rajchakit, N Gunasekaran, B Unyong, ...**Mathematical Problems in Engineering** 2020, DOI:10.1155/2020/4321312.[JCR Impact Factor: 1.430]

13. International Conference attended with presenting papers:

1. “Global Robust Stability Analysis for Hybrid BAM Neural Networks”, **N. Mohamed Thoiyab**, P Muruganantham, N Gunasekaran, **2021 IEEE Second International Conference on Control, Measurement and Instrumentation (CMI)**, held at **Calcutta University**, 93-98, Publisher: **IEEE**. DOI:10.1109/CMI50323.2021.9362980.

2. “A new upper bound for global asymptotic robust stability of BAM neural networks under multiple time-delays”, P Muruganantham, **N. Mohamed Thoiyab**, N Gunasekaran, 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), Publisher: **IEEE**, 1-6, (2022). DOI:10.1109/ICEEICT53079.2022.9768421.

14. Conference / Seminar attended without presenting papers:

1. Participated in the UGC Autonomous grant Workshop on Mathematical Modeling organized by PG & Research Department of Mathematics, Jamal Mohamed College(Autonomous), Tiruchirappalli, during 19.01.2011 to 25.01.2011

2.. Participated in One day National level seminar on “Mathematics and its Applications” organized by PG & Research Department of Mathematics, Shrimati Indira Gandhi College, Tiruchirappalli, 19<sup>th</sup> September 2011.

3.. Participated in the UGC Sponsored International conference on “Mathematical Methods and Computation” Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli, during February, 13-14, 2014.

4. Participated in the UGC Sponsored National seminar on “New Trends in Analysis” organized by the Department of Mathematics, Nehru Arts and Science College, Kanhangad, Kasaragod, Kerala, during 25<sup>th</sup> and 26<sup>th</sup> of September 2014.

5. Participated in the UGC Sponsored International conference on “Mathematical Methods and Computation” Organized by PG and Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli, during 22<sup>nd</sup> and 23<sup>rd</sup> of January 2015.

15. Orientation Programme/ Refresher courses attended:

1. Attended UGC- Sponsored Orientation Programme at UGC- Academic Staff College, Bharathidasan University, Tiruchirappalli from 20.05.2014 to 16.06.2014.
2. Attended Special Winter School in Computational Mathematics (Refresher course) organized by the UGC-HRDC Academic Staff College, Savitribai Phule Pune University, from 06.11.2017 to 26.11.2017.
3. Attended Refresher course in Mathematics organized by the UGC-HRDC, University of Hyderabad, Hyderabad during the period from 18.07.2019 to 31.07.2019.