

## Faculty Profile

1. Name : Dr. Tamizharasan D
2. Designation : Assistant Professor
3. Date of Joining : 10.07.2009
4. Nature of Association : Regular
5. E mail :  
[tamizharasan@ksrct.ac.in](mailto:tamizharasan@ksrct.ac.in)
6. Mobile no. : +91 9965873744



### 7. Academic Qualifications :

Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Mathematics)	Anna University, Chennai, India	September 2022	-	Completed
SET	Mother Teresa Women's University, Kodaikanal, India	February 2016	-	Qualified
M.Phil (Mathematics)	St.Joseph's College, Trichy, India	August 2006	89.4	First class with Distinction
M.Sc (Mathematics)	Government Arts College, Karur, India	April 2005	87.4	First class with Distinction
B.Sc (Mathematics)	Sri Vasavi College, Erode, India	April 2003	70.6	First class
HSC	Govt.Boys Higher Secondary School, Sivagiri, Erode, India	April 2000	72	First class
SSLC	Govt.Boys Higher Secondary School, Sivagiri, Erode, India	March 1998	76	First class

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### 8. Teaching Experience

- **Assistant Professor**, K.S.Rangasamy College of Technology, Tiruchengode, from 10.07.2009 to till-date.
- **Lecturer and Head**, Karuppannan Mariappan College of Arts and Science, Muthur from 11.09.2006 to 09.07.2009.

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### 9. Projects

#### Master of Philosophy

- **Title:** "Domination in Graphs"

#### Ph. D

- **Thesis title:** "Studies on Controllability Results for Second Order Impulsive Differential Equations with State dependent Delay"

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### 10. Publications

## International Journals

1. Dimplekumar Chalisehajar N., Karthikeyan K., **Tamizharasan D.**, “Controllability of nonlocal neutral impulsive differential equations with measure of noncompactness”, *International Journal of Mathematical Analysis*, Vol. 15, 2021, No. 4, 157-165 (2021).
2. **Tamizharasan D.**, Karthikeyan, K., “Controllability results for fractional integrodifferential systems with boundary conditions”, *Indian J Pure Appl Math*, Vol. 52, No. 1, 39–45 (2021).
3. Karthikeyan K., **Tamizharasan D.**, Dimplekumar Chalisehajar N., “Analysis on controllability results for Wellposedness of impulsive functional abstract second order differential equation with state-dependent delay”, *Axioms*, Vol. 10, No. 3, 188 (2021).
4. Karthikeyan K., **Tamizharasan D.**, Nieto J.J., Kottakkaran Sooppy Nisar, “Controllability of second-order differential equations with state-dependent delay”, *IMA Journal of Mathematical Control and Information*, Vol. 38, No. 4, 1072–1083 (2021).
5. Karthikeyan Kulandhivel, **Tamizharasan Dhatchinamoorthy**, Abdeljawad Thabet and Nisar Kottakkaran Sooppy, “Wellposedness of impulsive functional abstract second-order differential equations with state-dependent delay”, *International Journal of Nonlinear Sciences and Numerical Simulation*, (2022).
6. Karthikeyan K., **Tamizharasan D.**, “Novel results of weak solutions for fractional integrodifferential equations involving Gronwall inequality in Banach spaces”, *Mathematics in Engineering, Science and Aerospace*, Vol. 13, No. 2, 535 – 544 (2022).
7. Kulandhivel Karthikeyan, **Dhatchinamoorthy Tamizharasan**, Ozgur Ege, “Results on controllability and well-posedness of functional abstract second-order differential equations with state-dependent delay”, *Applicable Analysis*, (2022).
8. Kulandhivel Karthikeyan, Jiraporn Reunsumrit, Panjaiyan Karthikeyan, Sadhasivam Poornima, **Dhatchinamoorthy Tamizharasan**, Thanin Sitthiwirattham, “Existence Results for Impulsive Fractional Integrodifferential Equations Involving Integral Boundary Conditions”, *Mathematical Problems in Engineering*, Vol. 2022, (2022).

## International Conferences

1. **D Tamizharasan**, Controllability of nonlocal impulsive fractional differential equations with measure of non-compactness, *International Conference on Applied and Computational Mathematics (ICACM)*, 10 August 2018, Erode Arts College, Erode, Tamil Nadu, India.
2. **D Tamizharasan**, *2<sup>nd</sup> International conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020)*, 22-24 January 2020, Alagappa University, Karaikudi, Tamil Nadu, India.

## National Conferences

1. **D Tamizharasan**, Controllability of impulsive integrodifferential equations, *DST-SERB sponsored National Conference on Computational and Experimental Physics of Functional Materials (NCCEPFM-2016)*, 16-17 December 2016 at K.S.R. College of Arts and Science for Women, Tiruchengode, Namakkal, Tamil Nadu, India.

#### **National Seminars**

1. **D Tamizharasan**, Edge domination in cartesian product of complete graphs, National level Seminar on Emerging trends in Modern Topology, 12 August 2014, Navarasam Arts and Science College for Women, Arachalur, Erode, Tamil Nadu, India.
2. Participated a CSIR sponsored Two days National seminar on “Mathematics Applications for Agricultural Development”, 27-28 March 2019, Vivekanandha College of Technology for Women, Tiruchengode, Namakkal, Tamil Nadu, India.
3. Participated a ISTE-Srinivasa Ramanujan Mathematical Competitions 2014-2015 at the ISTE – Chapter Level conducted by ISTE, New Delhi, India.

#### **Training Programmes**

1. Attended two days National Level Workshop on “Engineering Mathematics – Application Perspective”, 09-10 October 2014, KSR Institute for Engineering and Technology, Tiruchengode, Namakkal, Tamil Nadu, India.
2. Attended the CSIR sponsored a two days National Level Workshop on “Theoretical and Computational Fluid Dynamics – NWTCFD – 2018”, 21-22 December 2018, Erode Sengunthar Engineering College, Erode, Tamil Nadu, India.
3. Participated the two days National Workshop on “MATLAB”, 21-22 September 2022, Department of Mathematics, Navarasam Arts and Science College for Women, Arachalur, Erode, Tamil Nadu, India.
4. Participated the three days AICTE sponsored Workshop (Margdarshan Scheme) on “NBA Accreditation Process”, 12-14 October 2022, Kongu Engineering College, Perundurai, Erode, Tamil Nadu, India.

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#### **11. Awards and Recognitions**

- Received a Best paper Award entitled Controllability of impulsive integrodifferential equations from DST-SERB sponsored National Conference on Computational and Experimental Physics of Functional Materials (NCCEPFM-2016), 16-17 December 2016 at K.S.R. College of Arts and Science for Women, Tiruchengode, Namakkal, Tamil Nadu, India.
- Acted as a Judge of Paper Presentation on SPECTRA’22 Inter Collegiate Meet, 12 April 2022 at Erode Arts and Science College, Erode, Tamil Nadu, India.
- Acted as a resource person for the Mathematics Association Inauguration, 16 September 2022 at Erode Arts and Science College, Erode, Tamil Nadu, India.

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#### **12. Research Activities**

- **M.Phil. Guided: 06**
- **Area of Expertise/Research Interests**

- Graph Theory
  - Differential Equations and inclusions
  - **Acted as a Reviewer**
    - Qualitative Theory of Dynamical Systems – Springer Nature (SNAPP)
    - Journal of Inequalities and Applications – Springe Nature (SNAPP)
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### 13. Personal Details

**Fathers Name** : M. Dhatchinamurthy

**Date of Birth & Age** : 23.07.1983 & 40 Years

**Gender** : Male

**Marital Status** : Married

**Permanent Address** : 6/17, Amma Nagar  
Kokkirikattu Puthur,  
Sivagiri (VIA),  
Erode – 638 109,  
Tamilnadu, India.

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