Faculty Profile

Name	:	Dr. D. Kumar
Date of Birth	:	05.06.1990
Highest Qualification	:	M.Sc.,M.Phil.,Ph.D.,
Date of Joining	:	11.03.2022
Designation	:	Assistant Professor
Date of promotion (Present Designation)	:	
Area of Interest	:	Graph Labeling, Graph Domination, Graph Coloring.

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Experience	:	Teaching :	5.9 Years	Industry	:		Research :	6 Years

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Association with Professional Bodies

Name (Professional Body)	IAENG	IAEEEE		
Type of Membership and No.:	Member No : 314418	Member No: 71050530		

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	NIL	University :	NIL	No. of Scholars :	NIL

Publication*					
International Journals	:	13	National Journals	:	-
International Conference	:	03	National Conference	:	02

Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount)	:	-	Applied (Amount)	:	-

Patent					
Published	:	01	Granted	:	-

Books

Published	NIL

FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	15	Attended :	NIL	Attended :	20	Attended :	5	Attended :	10
Organized :	1	Organized :	NIL	Organized :	NIL	Organized :	NIL	Organized :	1

Online courses (NPTEL, MOOC etc.)	**2**

*List of Publications :

13. **Duraisamy kumar**, V. Nirmala and Sivagnanam Mutharasu, V- Super Vertex In-Anti-Magic Total Graceful Labelingsof Digraphs, Mathematical Engineering Science and Arospace(Scopus), 15(1), 267- 272(2024).

12. **Duraisamy Kumar,** S. Vimalkumar and Seenith Sivasundaram, 'Secure dominance for quartic graphs with girths three and four, Mathematical Engineering Science and Arospace(Scopus), 14(4), 1089-1108(2023).

11. J. Sebastian Lawrence, C. Sivashanmugaraja, **D. Kumar** and M. Eswara Rao, A STUDY ON MINIMAL PRE-γ-OPEN SETS AND FINITE PRE-γ-OPEN SETS, South East Asian J. of Mathematics and Mathematical Sciences(Scopus), 19(3), 243-252(2023)

10. **Duraisamy kumar**, P. Thangaraj, N. Jeyalakshmi, Non-negative isolated signed dominating function of graphs, Advances and application in Mathematical Sciences , 22(12), 2269-2280(2023).

9. **Duraisamy Kumar**, M. Elakkiya and Sebastian Lawrance, k-Distance Non-negative Signed Total Domination Number of Graphs, Tanz Research Journal, 12(11), 88-94(2023).

8. **Duraisamy kumar**, P. Thangaraj, N. Jeyalakshmi, Non-negative unique isolated signed dominating function of graphs, Mathematical Engineering Science and Arospace(Scopus), 13(4), 959-964(2022).

7. Sivagnanam Mutharasu and **Duraisamy Kumar**, V_k-super vertex in-magic labeling of digraphs, Physics conference series,(Scopus), 1850(1): 012067(2021).

6. N. Marry Bernard, Sivagnanam Mutharasu and **Duraisamy Kumar**, V_k-super vertex magic graceful labeling of graphs, Malaya journal of Matematik, 8(3), 950-954, 2020.

5. Sivagnanam Mutharasu and **Duraisamy Kumar**, ''E_k-super vertex in-magic labeling of digraphs'', Mathematical Engineering Science and Arospace(Scopus). 11(1) 193-199(2020).

4. Sivagnanam Mutharasu and **Duraisamy Kumar**, ''V_k-super vertex out-magic labeling of digraphs'', Punjab University Journal of Mathematics,(web of science) 57(7) 35-41,2019.

3. Sivagnanam Mutharasu and **Duraisamy Kumar**, ''E_k-super vertex magic labeling of graphs'' Int. J. Math. And Appl., 6(1{E), 1005-1012(2018).

2. Sivagnanam Mutharasu and **Duraisamy Kumar**, ''V_k-super vertex magic labeling of graphs'', Malaya journal of Matematik, 6(4) 795-799, 2018.

1. Sivagnanam Mutharasu and **Duraisamy Kumar,** ''Non negative signed efficient total domination function in cycles and paths'', Karpagam IJMA, Vol 5 (April-14- Sep-14) 816-822.

Patent Published:

1. Title: Optimizing Numerical and Analytical Methods for Accurate Solutions to Partial Differential Equations, The patent office journal, 26/2023 dated 30/6/2023.