



Sri SAI RAM INSTITUTE OF TECHNOLOGY

Accredited by NBA and NAAC 'A+' | An ISO 9001:2015 Certified and MHRD NIRF ranked institution |
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai.
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DEPARTMENT OF SCIENCE AND HUMANITIES

Name : **R AVUDAINAYAKI**
Designation : **ASSISTANT PROFESSOR**
Email : **avudainayaki.maths@sairamit.edu.in**
Qualification : **M.Sc., M.Phil.,(Ph.D)**
Specialization : **Mathematics**
Research Interest : **Graph theory**



Experience in years : **Teaching UG** **PG** **Industry**

No. of Workshop/Conferences/
FDP attended : **Workshop** **Conferences** **FDP**

No. of Workshop/Conferences/
FDP Organized : **Workshop** **Conferences** **FDP**

Professional Membership	THE ASSOCIATION OF MATHEMATICS TEACHERS OF INDIA (REGD)” LM87121 – LIFE MEMBER
Publications	National: -06
	International: 07
	Book: -NIL
Research Funded Projects	
Patents	
Achievements	Achieved 100% Results in 1.I-CIVIL-100%-MATHS-1(2012-2013) ODD 2.II-CIVIL-100%-TPDE(2013-2014) ODD 3.I MECH A-100%MATHS-1(2013-2014) ODD 4.III CSE B-100% DM (2016-2017)ODD 5.II EEE B-100%TPDE(2016-2017)ODD 6.II ECE B-100%TPDE(2017-2018)ODD 7.II IT-C-100%TPDE(2017-2018)ODD 8.I ECE A-100% Maths-I(2018-2019)ODD
Any Other Information	

LIST OF PUBLICATIONS

1. B.Selvam, R.Avudainayaki and P.P.Ulaganathan, Cordial and total magic cordial labelings for the extended duplicate graph of arrow graph, International Journal of Mathematics Trends and Technology , Vol. 38(1),(2016),5-11.
2. R.Avudainayaki, B.Selvam and P.P.Ulaganathan ,3-Equitable and even sum cordial labeling for the extended duplicate graph of arrow graph ,Global Journal of Pure and Applied Mathematics,Vol.13(1),(2017),108-111.
3. R.Avudainayaki, B.Selvam and P.P.Ulaganathan, Prime cordial and signed product cordial labeling for the extended duplicate graph of arrow graph, International Journal of Pure and Applied Mathematics” Vol.113(10),(2017),74 – 82.
4. R.Avudainayaki, B.Selvam and P.P.Ulaganathan, 3-Equitable and total magic cordial labeling for the extended duplicate graph of splitting graph of path, Annals of Pure and Applied Mathematics, Vol. 13(2),(2017),199-206.
5. R.Avudainayaki, B.Selvam and P.P.Ulaganathan ,Signed product cordial and even sum cordial labeling for the extended duplicate graph of splitting graph of path, International Journal of Mathematics and its applications,Vol.5,(1),(2017),123–128.
6. R.Avudainayaki, B.Selvam and P.P.Ulaganathan ,Cordial and product cordial labeling for the extended duplicate graph of splitting graph of path, International Journal of Mathematical Archive,Vol8(2),(2017),60-64.
7. R.Avudainayaki, B.Selvam and P.P.Ulaganathan ,E-Cordial and product E-cordial labeling for the extended duplicate graph of splitting graph of path, Journal of Physics, Conf. Series (2018),1-6.
8. R.Avudainayaki, B.Selvam, Harmonious and pell Labeling for some extended duplicate graph, International Journal of Scientific Research in Mathematical and Statistical Sciences, Vol.5(6), (2018), 152-156.
9. R.Avudainayaki, B.Selvam, E_3 - cordial labeling and total 3 - sum cordial labeling for the extended duplicate graph of arrow graph, International Journal of Engineering, Science and Mathematics ,Vol.7(8),(2018),50-61.
10. R.Avudainayaki, B.Selvam and P.P.Ulaganathan, Z_3 -vertex magic total labeling and Z_3 -edge magic total labeling for the extended duplicate graph of arrow graph, International Journal of Computer Sciences and Engineering, Vol.6(9),(2018),1-5.

11. R.Avudainayaki, B.Selvam and P.P.Ulaganathan ,”Some mean labeling for the extended duplicate graph of arrow graph”, Journal of Applied Science and Computations, Vol.6(1),(2019),489-499.
12. R.Avudainayaki, B.Selvam and P.P.Ulaganathan, Some graceful labeling for the extended duplicate graph of splitting graph of path, Journal of Emerging Technologies and Innovative Research, Vol. 6(4),(2019),318-324.
13. R.Avudainayaki, B.Selvam and P.P.Ulaganathan, Anti-magic labeling for some extended duplicate graph, Journal of Applied Science and Computations, Vol.6(4), (2019),3526-3532.

Seminar/Workshop / Conferences /FDP Attended: -

Workshop:

S.No	Workshop on	Held on Date	Place
1.	Instructional Workshop on Graph Theory and Discrete Mathematics	20 th & 21st August 2015	Sri Sairam Institute of Technology, Chennai.
2.	Fuzzy Logic & And Queueing Theory	20 April 2012	Sri Sairam Institute of Technology, Chennai.
3.	How to write research papers for refereed journals	24, January,2015	Sri Sairam Institute of Technology, Chennai.

Faculty Development Program:

S.No	FDP on	Held on Date	Place
1.	Algebra and Number Theory	10 th to 16 th June 2019	Sri Sairam institute of Technology, Chennai.(sponsored by Anna university)
2.	Entrepreneurship Carrier Development Program	8 th to 12 th April 2019	Sri Sairam institute of Management Studies, Chennai
6.	Discrete Mathematics & Graph Theory	30.06.2016 & 01.07.2016	KCG College of Technology
7.	Innovative Teaching Methodologies	03/05/2011	Adhi Parasakthi Engineering College,Melmaruvathur

8.	Advanced Engineering Mathematics	Jan-Apr 2019 (One Week FDP)	NPTEL-AICTE (online Course)
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Conferences:

S.No	Conference on	Held on	Place
1.	National Conference on Progress in Mathematics towards Industrial Applications	27-09-19 to 28-09-19	SRM Institute of Science and Technology, Ramapuram
2.	National Conference on Emerging Trends in Mathematical Sciences	20-12-2018	S.A. Engineering College, Chennai
3.	International conference on computing sciences	16-11-2018 and 17-11-2018	Loyola College, Chennai
4.	National Conference on Mathematical Techniques and their Applications	05-01-2018 to 06-01-2018	SRM University , Kattankulathur
5.	International conference on Mathematical computer Engineering	3-11-2017 and 4-11-2017	VIT University, Chennai
6.	National Conference on Mathematical Techniques and their Applications	27-01-2017 to 28-01-2017	SRM University, Kattankulathur – 603203
7.	National Conference on Emerging Trends in Mathematical Sciences	22-12-2016	S.A. Engineering College ,Chennai
8.	National Seminar on Recent Trends in Graph Theory and Combinatorics	26-07-2016 to 27-07-2016	Meenakshi college for Women, Chennai – 600024
9.	International conference on Mathematical computer Engineering	14-12-2015 to 15-12-2015	VIT University, Chennai

MEMBERSHIP

Affiliated to “THE INDIAN SOCIETY FOR TECHNICAL EDUCATION(REGD)”
LM87121 – Life member since 2019.

RESPONSIBILITIES AND DUTIES HANDLED

- ISO Coordinator for Department.
- Class teacher and Group Counselor for teachers and students
- Committee Coordinator for conducting National Workshops
- Conducted lecture sessions for improving Mathematics results for Teachers
- Prepared online question banks and practice papers for students
- Member of various organizing committees
- Examiner for evaluation of papers internal and external