

ANNA UNIVERSITY REGIONAL CAMPUS – TIRUNELVELI

TIRUNELVELI – 627007

Faculty Profile (Updated on 04-06-2019)

General Information

Name : Dr.M.Subramanian

Present post held : Assistant Professor (AGP 7000), Department of Mathematics ,
Anna University Regional Campus-Tirunelveli.

Date of Birth : 10-06-1976

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Educational Qualifications:

Qualification	Institution	Year (From -To)	Percentage	Class
PhD(Mathematics)	UNIVERSITY DEPARTMENT, MANONMANIAM SUNDARANAR UNIVERSITY	1998-2004	-	Not Applicable
M.Sc Mathematics)	UNIVERSITY DEPARTMENT, MANONMANIAM SUNDARANAR UNIVERSITY	1996-98	76.43	First class
B.Sc(Mathematics)	P.K.SWAMY COLLEGE/ MANONMANIAM SUNDARANAR UNIVERSITY	1993-96	87.52	First class

- **Cleared Joint CSIR-UGC National Eligibility Test for lectureship: Dec 2001, June 2002(twice)**

Professional Experience: (Teaching Experience : 15 years, 9 months, 20 days)

Name of Company / Institutions	Designation	From	To	Relived on	Experience
Anna University Regional campus- Tirunelveli	Assistant Professor	01-09-2008	Till date		10y 9m 5 days
Kalasalingam University, Krishnankoil	Senior Lecturer	01-01-2008	26-08-2008	26-08-2008	7m 26 days
Kalasalingam University, Krishnankoil	Lecturer	11-08-2003	31-12-2007		4 y, 4 m, 21 days

Research Area: MATHEMATICS (Graph Theory)

Research Guidance : Ph.D. (Degree Awarded) – 1

Details of Ph.D. produced :

The Research scholar Mrs. T. MUTHULAKSHMI (Reg. No. 108501001) has been awarded Ph.D in SCIENCE & HUMANITIES under Anna University, Chennai in the year 2014. The title of her Ph. D thesis is *Studies In Graph Theory-Domination Related Parameters In Graphs*.

Research Publications:

Papers published in refereed Journals:

1. S. Arumugam and M. Subramanian, *Independence saturation and extended domination chain in graphs*, *AKCE J. Graphs. Combin.*, 4(2)(2007), 59–69.
2. S. Arumugam and M. Subramanian, *Edge Subdivision and Independence Saturation in a Graph*, *Graph Theory Notes of New York*, LII(2007), 9-12.
3. T. Muthulakshmi and M. Subramanian, *Independence Saturation Number of Some Classes of Graphs*, *Far East Journal of Mathematical Sciences* , 86, (1),(March 2014) ,11 – 21.
4. T. Muthulakshmi & M. Subramanian, *A Characterization of the extended DII-sequence*, *Journal of Discrete Mathematical Sciences and Cryptography*, 17:1, (2014)1-17, DOI: 10.1080/09720529.2013.858479.
5. M. Subramanian and T. Subramanian, *A Study on Equitable Triple Connected Domination Number of a Graph*, *International J.Math. Combin.* Vol.3(2017), 106-118.
6. T. Muthulakshmi and M. Subramanian, *Independent Dom-Saturation Number of a Graph*, *Advances and Applications in Discrete Mathematics*, Vol 19, Issue 1, (Jan 2018) , 1 – 16.
7. Muthulakshmi, T & Subramanian, Manickam, *Independent Open Irredundant Colorings of Graphs*, *Math.Combin.Book Ser.* Vol.4(2018), 96-102

Membership In Professional Bodies:

Life Member : Indian Society for Technical Education (ISTE) [LM 43707]

Member of Board of Studies in Mathematics, Manonmaniam Sundaranar University.

(PG-Mathematics) **2015-18, 2018-21.**

Honors/Awards:

- a) “**Certificate Of Excellence**”, I am one among the top 241 performers from a total of 5308 participants in the Two FDP Programmes.

A two week equivalent AICTE approved Faculty Development programme (FDP101x) on

“Foundation Program in ICT for Education” ,conducted by IIT Bombay (MHRD, Govt. of India) from from August 3,2017 to September 7,2017 and

“Pedagogy For Online and Blended Teaching-Learning Process”, conducted by IIT Bombay (MHRD, Govt. of India) from sept14, 2017 to October 12, 2017.

- b) **“Top 1% Performer”**, NPTEL Online Certification for the course “Advanced Graph Theory” with a consolidated score of 97% (Feb-Mar-2018 ,Eight week course).
- c) **“Top 5% Performer”**, NPTEL Online Certification for the course” Discrete Mathematics”, with a consolidated score of 91% (28-Jan-19 to 19-Apr-19, twelve week course).

Administrative Positions Held:

S.NO	Position Held	From	To
1	Director (RESEARCH), Anna University of Technology, Tirunelveli	14/09/2010	31/07/2012
2	HOD/Mathematics	24/9/2010	31/05/2011
		3/1/2014	30/09/2015

Details of Participation In Seminars / Conferences / Workshop

Programmes Attended

1. Faculty Development programme on Probability and Random Processes, Krishnankoil, (Sponsored by Centre for Faculty Development, Anna University, Chennai), Arulmigu Kalasalingam College, Krishnankoil, Nov24-29,2003.
2. Prof. Arumugam Endowment Lecture on Graph Theory, Manonmaniam Sundaranar University, Tirunelveli, 05-08-2004.
3. National Conference on Graphs, Combinatorics, Algorithms and Applications, Arulmigu Kalasalingam College of Engineering, Krishnankoil, November 25-29, 2004.
4. AICTE – ISTE sponsored short term training programme on applications of graph theory to interconnection networks and parallel computing, Arulmigu Kalasalingam College of Engineering, Krishnankoil, December 6-12, 2004.
5. International conference on Recent developments in Combinatorics and Graph theory(Presented a paper), Kalasalingam University, June 10-14, 2007.
6. Instructional workshop on introduction to Graph Algorithms, (sponsored by DST, New Delhi) at. Kalasalingam University, Krishnankoil February 3 – 6, 2010.
7. ISTE Workshop on Aakash for Education (IIT Bombay), Regional Centre of Anna University, Tirunelveli Region, Tirunelveli, 10.11.2012 to 11.11.2012.
8. Four weeks Orientation course Academic staff college, Bharathiar University, Coimbatore, 01.02.2013 to 28.02.2013.
9. National Programme on Technology Enhanced Learning (IIT Madras) –workshop, Regional Centre of Anna University, Tirunelveli Region, Tirunelveli, 20.04.2013.
- 10.Seminar on Importance of Free Open Source Software, Regional Centre of Anna University, Tirunelveli Region, Tirunelveli, 22.10.2013.

- 11.S.S.Pillai Memorial Lecture, Department of Mathematics, Manonmaniam Sundaranar University ,tirunelveli, 14.03.2014.
- 12.Prof S.Arumugam Endowment one-day Seminar On Graph Theory, Department Of Mathematics, Manonmaniam Sundaranar University, Abishekappatti- 627 012, 2ndDecember 2014.
- 13.The two week ISTE STTP on Introduction to Design of Algorithms,(conducted by IIT Kharagpur)under the National Mission on Education through ICT (MHRD, Govt. of India) from dates 27/04/2015 to 30/05/2015.
14. National Conference on Discrete Mathematics and its Applications, organized by the Department of Mathematics, Manonmaniam Sundaranar University during July 15-17, 2015.
- 15.One Day National Level Seminar on Clustering Techniques In Fuzzy Sets & Systems, University VOC College of Engineering, Anna University: Thoothukudi Campus, Thoothukudi – 628008 on 30.10.2015.
- 16.The two week ISTE STTP on Technical Communication, conducted by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. Of India) from 08/10/2015 to 05/12/2015 in Regional Centre of Anna University, Tirunelveli.
- 17.The one week workshop on Application of ICT Tools For Pedagogy Development to Technical Education Teachers At NIT Trichy During 08-04-2016 to 14-04-2016.
- 18.Professor S. Arumugam Endowment One day Seminar on Graph Theory organized by the Department of Mathematics, Manonmaniam Sundaranar University on 22-12-2016.
- 19.One-day National Level Seminar on Recent Trends in Applied Mathematics Organized By the Department Of Mathematics, University VOC College of Engineering, Anna University: Thoothukudi Campus, Thoothukudi – 628008 on 06-03-2017.
- 20.A two week equivalent AICTE approved Faculty Development programme (FDP101x) on Foundation Program in ICT for Education ,conducted by IIT Bombay (MHRD, Govt. of India) from from August 3,2017 to September 7,2017.
- 21.A two week equivalent AICTE approved Faculty Development programme (FDP201x) on Pedagogy For Online and Blended Teaching-Learning Process, conducted by IIT Bombay (MHRD, Govt. of India) from sept14, 2017 to October 12, 2017.
22. One day Workshop, National Level Workshop on Stimulating Research Perspectives on Big Data conducted by Department of Computer Applications, Anna University Regional Campus-Tirunelveli Tirunelveli-627007 on 28 th February 2018.
- 23.International Conference on “Discrete Mathematics and its Applications” Organized by Department of Mathematics, Manonmaniam Sundaranar University, Abishekappatti- 627 012, on 18.01.2018.
24. One day Workshop, National Level Workshop on “Stimulating Research Perspectives on Big Data” conducted by Department of Computer Applications, Anna University Regional Campus-Tirunelveli Tirunelveli-627007 on 28 th February 2018 (1 day).
25. One day symposium, “Mathematical Applications in Engineering”, at First national level technical symposium,SCI LANG2K18,Organized By Department of S&H,University VOC College of Engineering ,Thoothukudi-628 008 On 28th March 2018(1 day).

26. NPTEL Online Certification for the course “Advanced Graph Theory” with a consolidated score of 97% (Feb-Mar-2018, Eight week course).
27. A two week Faculty Development programme on “Mentoring Educators in Educational Technology ” (FDP301x), conducted by IIT Bombay (MHRD, Govt. of India) from May 17, 2018 to July 05,2018.
28. NPTEL-AICTE Faculty Development programme for the course Introduction to Abstract and Linear Algebra, with a consolidated score of 94% (August-October 2018, Eight week course)
29. NPTEL-AICTE Faculty Development Programme, for the course, Discrete Mathematics, with a consolidated score of 91% (January to April 2019, 12 week course).

Invited Talks

1. Delivered an invited talk as a resource person for the National Workshop on Applications of Operations Research, Statistics and Graph Theory held at VIT, Vellore, India on 27th July, 2018.
2. Acted as a Resource Person on 21st June 2018 in the “Faculty Development Training Programme” on Engineering Mathematics – I conducted by the Department of Mathematics , University VOC College of Engineering, Anna University: Thoothukudi Campus, Thoothukudi – 628008
3. Delivered an invited talk on “Mathematical Applications in Engineering”, at First national level technical symposium, SCI LANG2K18, Organized By Department of S&H, University VOC College of Engineering , Thoothukudi-628 008 On 28th March 2018(1 day).
4. Acted as a Resource Person for “Rashtriya Madhyamika Shiksha Abhiyaan (RMSA) In service Training For School Teachers”, at Sardar Raja College of Engineering , Alangulam, On 19.07.2017.
5. Delivered a Guest Lecture on 17-12-2016 in the topic “Random Process” in the Anna University sponsored Faculty Development and Training Programme (EC – Communication Theory) held at University College of Engineering, Nagercoil during 14th -21st December 2016.
6. Acted as resource person in “Number System” organized by the Department of Mathematics, Nesamony Memorial Christian College, Marthandam on 8th September 2016.
7. Delivered an invited talk on Min-Max And Max-Min Domination Parameters in Graphs at National Conference on “Mathematical analysis and Graph theory”, organized by the Department of Mathematics, at St. Xavier’s College, Palayamkottai on March 10-12, 2016.
8. Delivered an invited talk on “Ramanujan’s Contributions” to the P.G. Mathematics students of Ayya Nadar Janaki Ammal College, Sivakasi-626124 on 22.12.2015, In connection with the 128th birthday celebrations of our Indian Mathematician Srinivasa Ramanujan.
9. Acted as a Resource Person on 25.06.2015 in the “Seven Days Faculty Development Training Programme” on Mathematics – I conducted by the Department of Mathematics , University College of Engineering Nagercoil and

organized by the Centre for Faculty Development Anna University. Chennai held from 24.06.2015 to 30.06.2015.

10. Acted as a Resource Person in the “Faculty Development Training Programme” on Probability and Queueing Theory conducted by the Department of Mathematics, University College of Engineering Nagercoil and organized by the Centre for Faculty Development Anna University, Chennai on 8th December 2014.
11. Acted as a Resource Person in the “Faculty Development Training Programme” on Probability and Random Process conducted by the Department of Mathematics, University VOC College of Engineering, Anna University: Thoothukudi Campus, Thoothukudi – 628008 during 12th – 19th December 2014.