

## Profile



Name: Dr. N.Sugantha Meena  
Qualification: M.Sc., M.Phil, Ph.D, PGDCA  
Department: Mathematics  
Designation: Assistant Professor  
Area of Interest: Algebra  
E mail id: suganthameena.n@vhnsnc.edu.in

Teaching experience: 21 years

S.No	Name of the Institution	Period	Years of experience
1.	V. H. N. Senthikumara Nadar College (Autonomous)	From 27.09.2017 to till date	5 years
2.	Kamaraj College of Engineering and Technology	From 12.07.2001 to 31.05.2017	16 years

### Courses Attended

Participated in the 108<sup>th</sup> Orientation Programme organized by HRDC, Bharathidasan university, Tiruchirapalli from 12, November 2019 to 2, December, 2019 .

Participated in the Refresher course conducted by HRDC, Bharathiyar university,Coimbatore from 10 th November 2021 to 23rd November 2021

### Papers Published

1.N.Sugantha meena and Dr. M.Chandramouleeswaran , Orthogonal Derivations on Semirings, International Journal of Contemporay sciences Vol 9,No.13 (2014), 645-651.

2. N.Sugantha meena and Dr.M.Chandramouleeswaran , Orthogonal Generalized derivations on semirings, International Journal of Pure and Applied Mathematics, Vol 99,No.1(2015) 97-108

3.N.Sugantha meena and Dr. M.Chandramouleeswaran, orthogonal  $(\alpha,\beta)$  derivation on semirings, International Journal of Pure and Applied Mathematics Vol 98,No.5 (2015), 69 – 74

4. N.Sugantha meena and Dr.M. Chandramouleeswaran, Orthogonal Generalized  $(\alpha,\beta)$  derivation on semirings, Global Journal of Pure and Applied Mathematics, Vol 11,No.2 (2015), 931-940

5. N.Sugantha meena and Dr. M.Chandramouleeswaran, orthogonal derivations on ideals of semirings, International Journal of Mathematical and Engineering Applications Vol 9 ,No.2 (2015), 287-297

6. N.Sugantha meena and Dr. M.Chandramouleeswaran, Reverse derivation on semirings, International Journal of Pure and Applied Mathematics Vol 104,No.2 (2015), 203-212

## **Papers Presented**

1.Presented a Paper “ Two sided  $\alpha$  derivation on Semirings” in the Two day National seminar on Algebra, Topology and their Applications held at Ayya Nadar Janaki Ammal College,Sivakasi, on March 11-12,2013.

2. Presented a paper “Generalized derivations on Ideals of semirings “ at the Ramanujan Day celebrations – National Seminar of Mathematics and its Applications, IIT Chennai on 22-12-2014.

3. Presented a paper “Orthogonal  $(\alpha,\beta)$  derivations on semirings” in the National level seminar on Algebra,Fuzzy Algebra and Fuzzy Graphs at SBK College, Aruppukottai, 5-6 January, 2015.

4.Presented a paper on “ Orthogonal Semiderivations on Semirings” in the National Conference on “Recent Advances in Pure and Applied Mathematics” Sri Ramanas College of Arts and Science, Aruppukottai on 20<sup>th</sup> December 2019.

## **Conference/Workshops/Seminars Attended**

1. Attended the National conference on “Applications of Mathematics in Engineering, Science and Technology” held at Mahendra Engineering College, Namakkal on November 23-25 2002.
2. Attended Faculty Development Programme on “Probability and Queueing theory” at Mepco Schlenk Engineering college, Sivakasi from 24<sup>th</sup> to 29<sup>th</sup> November 2003.
3. Attended a Training Programme on “ Instructional Design and Delivery” conducted by National Institute of Technical Teachers Training and Research,Government of India from October 4 to 6,2004.

4. Attended UGC sponsored National symposium on “Interdisciplinary Applications of Mathematical Modeling” held at V.V.V. College for women from 4<sup>th</sup> to 6<sup>th</sup> August 2005.
5. Attended UGC sponsored State Level Seminar symposium on “Recent Developments in Algebraic Topology and Analysis” held at G. Venkataswamy Naidu College, Kovilpatti on 21<sup>st</sup> and 22<sup>nd</sup> July 2006.
6. Attended National Conference on “Fuzzy Mathematics, Graph theory and Applications” at Mepco Schlenk Engineering college, Sivakasi 17-18<sup>th</sup> April 2009.
7. Attended DST Sponsored National level seminar on “Recent Developments in Functional Analysis” at SRNM College on 5<sup>th</sup> and 6<sup>th</sup> March 2010.
8. Attended Faculty Development Programme on “Mathematical Model for Engineering problems” at Kamaraj College of Engineering and Technology on 24<sup>th</sup> and 25<sup>th</sup> May 2010.
9. Attended a National Conference on “Recent Trends in Graph theory and Applications” held at St.Xavier College, Palayamkottai on 24<sup>th</sup> and 25<sup>th</sup> February 2011.
10. Attended a Faculty Training programme on “Soft Skills Development” from 6<sup>th</sup> Dec to 10<sup>th</sup> Dec 2011 Conducted by Work Senses, Chennai.
11. Attended an International Conference on “Algebra and its Applications” held at Periyar Maniammai University, Thanjavur held on December 14 and 15, 2011.
12. Attended a Workshop on “Joy of Teaching Transforms from Engineering Perspective” at PSG College of Technology, Coimbatore on 4<sup>th</sup> August 2012.
13. Attended State Level Seminar on “Innovative Techniques in Mathematics” at Saiva Bhanu Kshatriya College on 14<sup>th</sup> September 2012.
14. Attended a Faculty Development Programme on “Finite Element Analysis” Conducted by Anna University, Chennai from 3<sup>rd</sup> to 9<sup>th</sup> December 2012.
15. Attended a workshop on “Graphics Designing” at Kamaraj College of Engineering and Technology on 15<sup>th</sup> and 16<sup>th</sup> October 2015.
16. Attended a Workshop on “Outcome based education” at Kamaraj College of Engineering and Technology on 27<sup>th</sup> and 28<sup>th</sup> January 2017.
17. Attended Hands on training on “Mendeley software for Effective reference Management” conducted by IQAC and Research wing, V.H.N.S.N. College, Virudhunagar on September 16, 2017.
18. Attended National Conference on Modern Mathematics and its Applications at American college on 22 and 23 January 2018.
19. Attended a Training on “Stress Management” conducted by Rotray club elite at V.H.N.S.N. College, Virudhunagar on September 20, 2018.
20. Attended a National level workshop on “Data Analytics using R software” at AAA College, Sivakasi on 15 and 16 November 2018.
21. Attended Faculty development programme on “Blooms Taxonomy” conducted by IQAC, V.H.N.S.N. College, Virudhunagar on March 19, 2019.

22. Attended Faculty development programme on “Digital Teaching ” conducted by IQAC, V.H.N.S.N. College, Virudhunagar on May 9, 2019.
23. Attended a workshop on “Quality Enhancement and sustenance in Higher Education, Challenges and opportunities at S.B.K .College, Aruppukottai on July 20, 2019.
24. Attended International Conference on “Applications of Mathematics in Science and Technology” at AAA College, Sivakasi on 25 and 26<sup>th</sup> July 2019.
25. Participated in One day Workshop on “ Delay Differential Equations” held at VVV college (A), Virudhunagar on 20<sup>th</sup> September 2019
26. Participated in the one week FDP on Scilab, organized at V.O.Chidambaram College, in January 2020 semester with course material provided by Spoken Tutorial Project, IIT, Bombay, funded by the National Mission on Education through ICT, MHRD, Govt of India .(29/04/2020 to 05/05/2020)
27. Participated in one week National level online Faculty Development programme and successfully completed the Hands on training in R Language held during 13.05.2020 to 20.5.2020 organized by Auxillium College (Autonomous), vellore in collaboration with Spoken Tutorial Project , IIT Bombay, funded by National Mission of Education through ICT,MHRD, Government of India.
28. Attended the outreach programme for college professors on the topic “Awareness on MOOCs” organized by the Department of Mathematics, V.V.Vanniaperumal college for women (A), Virudhunagar, under DBT Star college scheme on 01.02.2021.
29. Participated in the online International webinar on “Applications of Queuing Theory” organized by Gujranwala Guru Nanak Institute of Management & Technology, Ludhiana on 06.02.2021.
30. Participated in the National conference on “Analysis and its Applications- Focused on Fixed Point Theory ” organized by Dwaraka Doss Goverdhan Doss Vaishnav College held on 24th & 25th February 2021.
31. Participated in the National Webinar on “On Graceful Tree Conjecture” organized by Dwaraka Doss Goverdhan Doss Vaishnav College held on 10th April 2021.
32. Participated in Online Teachers Enrichment Workshop on “Algebra and Discrete Mathematics” from November 19, 2020 to January 3, 2021 at Mepco Schlenk Engineering College, Sivakasi.
33. Attended Faculty Development program on “Ignite your mind “ organized by IQAC,VHNSN College(Autonomous),Virudhunagar on 9.11.2021

34. Attended Faculty Development Program on Math Modeling and Computational Modeling organized by the Department of Mathematics, CMR Institute of Technology, Bengaluru from 24 Jan 2022 to 28 Jan 2022.
35. Participated in Two day Inservice teacher training program on 4-5<sup>th</sup> May 2022 conducted by Tamilnadu State Council for Higher Education, at Sri meenakshi college for women Madurai.
36. Participated in a Faculty development programme on “Finance Planning” organized by IQAC, VHNSN College(Autonomous),Virudhunagar on 03.09.2022

### **Seminar / Workshop Organized :**

1. Organized one day State level Workshop on “MATLAB and its TOOLS” under UGC Autonomy Grant, held at V.H.N.S.N College (Autonomous), Virudhunagar on 10<sup>th</sup> February 2020.
2. Organized a seminar on “LATEX”, held at V.H.N.S.N College (Autonomous), Virudhunagar on 14<sup>th</sup> February 2020.
3. Organized ZetaQuest '22 ,an intercollegiate Mathematical meet sponsored by “DBT Star College scheme” on 13<sup>th</sup> May 2022.

### **Guest Lectures Delivered**

S.No	Topic	Conducted by	Date
1.	Coding theory	UG and PG Association of Mathematics Department Sri Ramanas College of Arts and Science, Aruppukottai	29.8.2019
2.	Fibonacci Numbers	UG and PG Association of Mathematics Department Saiva Bhanu Kshatriya College, Aruppukottai	9.9.2019
3.	Self Sculpting	Personality Development Cell, V.H.N.Senthikumara Nadar College (Autonomous),Virudhunagar.	27.8.2019
4.	Know Your Windows	UG Mathematics Association, Department of Mathematics ,VHNSN College (Autonomous),Virudhunagar	10.3.2021

5.	Enhance your Personality	Personality Development Cell, V.H.N.Senthikumara Nadar College (Autonomous),Virudhunagar.	10.3.2022
6.	The root and the route	MATH AURA '22,Department of Mathematics,Noble College of Arts and Science for women, Virudhunagar.	9.5.2022

**Resource person:**

1. Resource person for JEE Coaching on the topic ‘Mathematical Reasoning’ on 29.9.2017
2. Resource person in ‘Young Students Scientists Programme’ conducted by VHNSN college from 23.12 .2018 to 06.01.2019 and delivered a lecture on the chapter “Algebra” on 03.01.2019
3. Resource person for TMB coaching classes organized by the Centre for Placementt and Training ,VHNSN College (Autonomous) for the academic year 2020-2021

**Swayam Courses (MOOC courses):**

1. Successfully completed NPTEL online certificate course (Jan- Feb 2017) in “Probability and Random processes for wireless communication” with a score of 65%
2. Successfully completed NPTEL online certificate course (Jul- Sep 2017) in “Numerical methods” scoring 70% marks .
3. Successfully completed NPTEL online certificate course (Aug - Oct 2018) in “Introduction to Abstract and Linear Algebra” scoring 91% marks and awarded Elite with gold medal.
4. Successfully completed NPTEL online certificate course (Jan-Apr 2019) in “Engineering Mathematics ” scoring 76% marks and awarded Elite with Silver medal.
5. Successfully completed NPTEL online certificate course (Jan-Apr 2020) in “Numerical method – Finite difference approach ” scoring 73% marks .
6. Successfully completed NPTEL online certificate course (Jan-Apr 2020) in “Descriptive statistics with R software” scoring 96 % marks .

### **Language skills:**

Passed BEC Exam with B2 grade conducted by Cambridge university, London

### **Software Skills:**

1. R Software
2. Matlab
3. Latex
4. Scilab

### **Extension Activities**

- ❖ Vice president for UG Mathematics Association in the academic year 2018-2019.
- ❖ Personality Development Cell Member from 2019
- ❖ Maths Lab incharge from 2019.
- ❖ Vice president for UG Mathematics Association in the academic year 2020-2021.
- ❖ Incharge for Criteria I in NAAC from 2022

### **Books Published:**

- 3 Engineering Mathematics I,II, III

### **Educational Qualification:**

S.No	Qualification	Name of the Institution	Marks	Year of Passing
1.	X std	Kshatriya Girls Higher Secondary School Virudhunagar	91% <b>Gold Medal in Maths</b>	1993
2.	XII std	Kshatriya Girls Higher Secondary School Virudhunagar	80%	1995
3.	B.Sc	V.V.V.College for women, Virudhunagar	80.1%	1998
4.	M.Sc	V.V.V.College for women, Virudhunagar	83%	2000
5.	M.Phil	AJ College, Sivakasi.	83.7% <b>Gold medalist</b>	2001
6.	Ph.D	Madurai Kamaraj University		2016
7.	PGDCA	V.H.N.Senthikumara Nadar College(Autonomous), Virudhunagar.	94.3%	2022