

BIO-DATA



NAME : Dr.S.VIJAYABALAJI

DATE OF BIRTH : 03-02-1977

GENDER : MALE

NATIONALITY : INDIAN

MARITAL STATUS : MARRIED

EDUCATIONAL QUALIFICATIONS :

Sl.No.	Degree	Subject	College/University	Year of passing	Class with percentage
1	B.Sc	Mathematics	St.Joseph's College of Arts and Science, Cuddalore	1997	74%-I class, I rank
2	M.Sc	Mathematics	Annamalai University	1999	80.25%-I class with distinction, I rank
3	M.Phil	Mathematics	Annamalai University	2000	83%-I class
4	Ph.D	Mathematics	Annamalai University	2007	Degree awarded, Highly commended

PRESENT POSITION : Assistant Professor
Department of Mathematics
Faculty of Science and Humanities
University College of Engineering Panruti
(A Constituent College of Anna University Chennai)
Panruti-607106.
E-mail:balaji1977harshini@gmail.com,
svb@ucep.edu.in,
balaji_nandini@rediffmail.com
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AREA OF RESEARCH : Fuzzy functional analysis, Fuzzy algebra, Fuzzy matrices, Soft set theory , Rough Set theory and Decision theory.

No.of **M.Phil** guided: 1

No.of **Ph.D** guided: 4

Sl.no.	Name of the Scholar	Date of Viva-voce	Title of the thesis
1	Mr.S.Sivaramakrishnan	06.01.2016	A study on cubic linear spaces and cubic M- semigroups
2	Mr.J.Parthiban	10.03.2017	A study on valued n- normed linear space and valued n- inner product space
3	Mr.G.Shyamsundar	15.12.2017	A study on fuzzy transition matrices and product fuzzy soft matrices
4	Mr.A.Ramesh	19.06.2020	Uncertain multiplicative soft sets, Belief interval- valued soft set in fuzzy expert system and their applications

No.of **Ph.D** guiding: 4

COUNTRIES VISITED: Malaysia during June 12-14, 2012 to attend an International Conference- ICFAS 2012 , presented a paper entitled,” Anti fuzzy M-semi group” and **Chaired a session at the Conference.**

TEACHING EXPERIENCE: 20 years

1. Periyar Arts College, Cuddalore- Guest Lecturer (01-07-2000 to 31-03-2001).
2. Krishnasamy College of Engineering. & Technology-Lecturer and H.O.D, Cuddalore
(16-08-2001 to 31-03-2003 and 01-04-2005 to 20-04-2007 with two years research experience from 2003-2005)
3. VIT university, Vellore – Lecturer- 2 months (23-04-2007 to 08-06- 2007).
4. V.R.S College of Engg. & Tech, Villupuram -Assistant Professor (02-07-2007 to 30-04-2008).

5. Dr.Pauls Engg. College, Villupuram District, -Assistant Professor (09-07-2008 to 28-08-2008).
6. University College of Engineering Panruti (Erstwhile Anna University Tiruchirappalli, Panruti Campus) - Lecturer (Contract) (01-09-2008 to 14-09-2009).
7. University College of Engineering Panruti- Assistant Professor-15-09-2009 to till date.

RESEARCH EXPERIENCE: 18 years

ACADEMIC PRIZES AND AWARDS :

1. Certificate of merit – I prize in main University , 1997, St. Joseph's College of Arts and Science (Dept. of Maths), Cuddalore-1.
2. Received the Ramanujan Centennial award out of Pro-Chancellor Dr.M.A.M. Ramasamy Endowment, Annamalai University (**For Securing First Mark in I year M.Sc.**).
3. Received the Prof.V.Ganapathy Aizar Prize (**For Securing First Mark in I year M.Sc.**).
4. Received the S.V.Ramamurthy Mathematics Prize (**For Securing First Mark in M.Sc.**).
5. Awarded Prof.N.Ganesan Prize Endowment (**For Securing Highest Marks in M.Sc. Mathematics. Subject Algebra**).

EXTRA CURRICULAR ACTIVITIES : Participated in Intramural Games Meet at St.Joseph's College of Arts and Science, Cuddalore (Ball Badminton) during 1995-96 and was a member of winner-up team.

PROFESSIONAL STANDING:

1. I have acted as DC member for Ph.D students at various Universities such as Anna University (Constituent and Affiliated Colleges), VIT University and Karunya University.

2. I have acted as referee for evaluating research papers at several reputed international journals such as Journal of Franklin Institute(Elsevier Journal) ,Iranian Journal of Fuzzy systems, Journal of advanced research in pure Mathematics.
3. I have acted as examiner for various Universities such as Annamalai University, Bharathiar University, Karunya University , Sona Engineering College, University of Madras.

BOOKS PUBLISHED: 4 (National-1, International- 3)

1. Published a book entitled," Fuzzy n-normed linear space" co-authored with Dr.N.Thillaigovindan and Dr.S.Anitha Shanthi at **LAMBERT ACADEMIC PUBLISHERS, GERMANY, 2010** (ISBN :978-3-8433-8121-5).
2. Published a book entitled,' Resource Management Techniques' at Sri Krishna Hi Tech Publishers, Chennai during 2017 (ISBN: 978-93-86590-16-9).
3. Published a book entitled," Cubic n- normed linear space" at **LAMBERT ACADEMIC PUBLISHERS, GERMANY, 2017** (ISBN:978-620-2-01822-7).
4. Published a book entitled," Cubic soft- rough matrices" at **LAMBERT ACADEMIC PUBLISHERS, GERMANY, 2018** (ISBN:978-3-330-02370-3).

LIST OF PUBLICATIONS WITH CITATIONS

International / National Journals (all are refereed) - 46

(**International (SCI- 8 papers)- 39, National-7**)

International Journals :

1. AL.Narayanan and S.Vijayabalaji, Fuzzy n-normed linear space, International J.Math and Math. Sci.,(2005) No.24, 3963-3977 (CITED BY-65) (Scopus).
2. AL.Narayanan, S.Vijayabalaji and N.Thillaigovindan, Intuitionistic fuzzy bounded

- linear operators, Iranian Journal of Fuzzy Systems, Vol.4 (2007), No.1, 89-101
[Impact factor 0.592] (SCI) (CITED BY-20) (IF 0.115)
3. S.Vijayabalaji, N.Thillaigovindan and Young Bae Jun, Intuitionistic fuzzy n-normed linear space, Bulletin of Korean Mathematical Society, Vol.44(2007), No.2, 291-308. **[Impact factor 0.37] (SCI) (CITED BY-46) (0.099)**
 4. S.Vijayabalaji and N.Thillaigovindan , Fuzzy n-inner product space, Bulletin of Korean Mathematical Society, Vol.43(2007), No.3, 447-459. **[Impact factor 0.37] (CITED BY- 15) (SCI) (IF 0.099)**
 5. S.Vijayabalaji and N.Thillaigovindan , Complete fuzzy n-normed linear space, Journal of Fundamental Sciences, Vol.3(2007), No.1, 119-126 (CITED BY – 22) .
 6. S.Vijayabalaji and N.Thillaigovindan , Best approximation sets in α – n-normed space corresponding to intuitionistic fuzzy n-normed linear space, Iranian Journal of Fuzzy Systems, 5 (2)(2008)47-59. **[Impact factor 0.333] (CITED BY -4) (SCI).**
 7. S.Vijayabalaji, S.Anita Shanthi and N.Thillaigovindan , Interval valued fuzzy n-normed linear space, Journal of Fundamental Sciences, 4(2008) 287-297 (CITED BY -3)
 8. S.Vijayabalaji and N.Thillaigovindan , Generalized cartesian product of intuitionistic fuzzy n- inner product spaces, The Journal of Fuzzy Mathematics, 17 (4) (2009)917-930.
 9. S.Vijayabalaji, S.Anita Shanthi and N.Thillaigovindan , Some fixed Point theorems in intuitionistic fuzzy n-normed linear spaces, Int. J.open problems Compt. Math., 2 (4) (2009) 505-515 (CITED BY -2) .
 10. N.Thillaigovindan, S.Anita Shanthi and S.Vijayabalaji, Semi group actions in intuitionistic fuzzy 2-metric space, Int. J.open problems Compt. Math., 3 (1) (2010) 92-100.
 11. S.Vijayabalaji, Equivalent fuzzy strong n-inner product space , Int.J.open problems Compt. Math., 4 (4) (2011) 26-32 (CITED BY -3) .
 12. S.Vijayabalaji and S.Sivaramakrishnan, Cartesian product and homomorphism of interval-valued fuzzy linear space , Int. J.open problems Compt. Math., 5(4)

- (2012) 93-103.
13. S.Vijayabalaji and S.Sivaramakrishnan, Homomorphism of anti fuzzy M-Semigroup, International Journal of Pure and Applied Mathematics, 86 (6) (2013) 911-917.
 14. S.Vijayabalaji and A.Ramesh, A new decision making theory in soft matrices, International Journal of Pure and Applied Mathematics, 86 (6) (2013) 927-939 (CITED BY- 15) (Scopus).
 15. S.Vijayabalaji and J.Parthiban, Some inequalities in valued inner product space, International Journal of Pure and Applied Mathematics, 86 (6) (2013) 983-992 (CITED BY -3) (Scopus).
 16. S.Vijayabalaji and V.Shakila, 0-simple and soft M-semigroups, International Journal of Pure and Applied Mathematics, 87 (6) (2013) 751-756 (Scopus).
 17. S.Vijayabalaji and G.Shyamsundar, (λ, μ)- Fuzzy strong n- inner product Space, International Journal of Pure and Applied Mathematics, 87 (6) (2013) 941-949 (Scopus).
 18. S.Vijayabalaji and P.Balaji, Rough matrix theory and its decision making, International Journal of Pure and Applied Mathematics, 87 (6) (2013) 845-853 (CITED BY -5) (Scopus).
 19. S.Vijayabalaji and P.Balaji, MCDM method in cricket by rough matrix theory , International Journal of Mathematical Analysis, 9(18) (2015) 869-875 (CITED BY -1)..
 20. S.Vijayabalaji and S.Sivaramakrishnan , A Cubic Set Theoretical Approach to Linear Space, Abstract and Applied Analysis, 2015 (2015), 1-8 (CITED BY -3) (Scopus).
 21. S.Vijayabalaji, S.Sivaramakrishnan and S.Kalaiselvan, n-normed left Γ - linear space, International Journal of Applied Engineering Research, 10 (72) (2015) 10-14.
 22. S.Vijayabalaji and J.Parthiban, Continued Fuzzy inner product space , International Journal of Applied Engineering Research, 10 (72) (2015) 35-39.
 23. S.Vijayabalaji and P.Balaji, Quadtree to image- A reconstruction approach using Rough Matrix , International Journal of Applied Engineering Research, 10

- (72) (2015) 78-82.
24. S.Vijayabalaji, P.Balaji and S.Karthikeyan, 3-valued Logic in Quadtree using Rough Matrix , International Journal of Applied Engineering Research, 10 (80) (2015) 233-236.
 25. S.Vijayabalaji and A.Ramesh, Multi soft-rough set and its application , International Journal of Applied Engineering Research, 10 (80) (2015) 224-228.
 26. S.Vijayabalaji and G.Shyamsundar, Interval-valued intuitionistic fuzzy transition matrices , International Journal of Modern Science and Technology, Vol.1, No.2 (2016) 47-51 (CITED BY -6).
 27. S.Vijayabalaji and N.Sathiyaseelan, Interval-valued product fuzzy soft matrices and its applications in decision making, International Journal of Modern Science and Technology, Vol.1, No.5 (2016) 159-163 (CITED BY -5)
 28. S.Vijayabalaji and G.Shyamsundar, Cubic Transition Matrices, Asian Journal of Research in Social Science and Humanities, Vol.6, No.7, (2016)412-428 (CITED BY -1).
 29. S.Vijayabalaji, G.Shyamsundar, J.Parthiban and T.Narayanan, Fuzzy operations on transition matrices , Global Journal of Pure and Applied Mathematics Vol.12, No.3 (Special issue) (2016) 940-946.
 30. S.Vijayabalaji and J.Parthiban, Valued inner product space in $t(n)$ settings and its application to travelling salesman problem, Asian Journal of Research in Social Science and Humanities, Vol.6, No.7, (2016) 429-441.
 31. S.Vijayabalaji and A.Ramesh, Dempster-Shafer fuzzy choquet integral and its application in decision making, Asian Journal of Research in Social Science and Humanities, Vol.6, No.10, (2016) 1015-1030.
 32. S.Vijayabalaji and P.Balaji, Construction of QRM using dense factor in Quadtree, Asian Journal of Research in Social Science and Humanities, Vol.6, No.8 (2016) 2573-2581.
 33. V.Chinnadurai, S.Barkavi and S.Vijayabalaji, Product operation on fuzzy transition matrix, International Journal of Multidisciplinary Research and Modern Education, Volume II, Issue II (2016) 281-289.
 34. V.Chinnadurai, K.Bharathivelan, S.Vijayabalaji and S.Sivaramakrishnan, Cubic

- ring, Global Journal of Pure and Applied Mathematics, Vol.12, No.3 (2016), 947-950 (Special issue)
35. S.Vijayabalaji and A.Ramesh, Uncertain multiplicative linguistic soft sets and their application to group decision making, Journal of Intelligent and Fuzzy Systems , Volume 35 (2018), 3883- 3893 (**IF- 1.802**) (**SCI**).
 36. S.Vijayabalaji and A.Ramesh, Belief interval-valued soft set, Expert systems with applications (Elsevier) Volume 119 (2019), 262-271 (**IF- 5.890**) (**SCI**).
 37. S.Vijayabalaji and N.Sathiyaseelan, Soft-rough interval valued fuzzy matrix, Malaya Journal of Matematik, Vol.S, No.1 (2020), 187-191.
 38. S.Sivaramakrishnan, S.Vijayabalaji and R.Rajasekaran, Intuitionistic fuzzy 2-metric groups, Malaya Journal of Matematik , Vol.S, No.1 (2020), 192-195.
 39. S.Vijayabalaji and S.Kalaiselvan, A study on fire rings, Malaya Journal of Matematik, Vol.S, No.1 (2020), 220-226.

National Journals (all are refereed)- 07

1. S.Vijayabalaji and N.Thillaigovindan, Intuitionistic fuzzy n-inner product space, Bulletin of Pure and Applied Sciences, 25 E (No.1) (2006), 281-294.
2. S.Vijayabalaji and N.Thillaigovindan, Fuzzy semi n-metric space, Bulletin of Pure and Applied Sciences, 28 (No.2) (2009), 283-293.
3. S.Vijayabalaji , Fuzzy strong n-inner product space, International Journal of Applied Mathematics, 2010.
4. S.Vijayabalaji, Multi Decision Making in Generalized Soft-Rough Matrices, Mathematical Sciences International Research Journal, Volume 3, Issue 1, 19- 24, 2014 (CITED BY -1).
5. S.Vijayabalaji and J.Parthiban, Euler valued inner product space, Mathematical Sciences International Research Journal, Volume 3, Issue 1, 30-33, 2014.
6. V.Chinnadurai, S.Barkavi and S.Vijayabalaji, Determinant and Adjoint of fuzzy soft square matrix, Mathematical Sciences International Research Journal, Volume 5, Issue 1, 93- 99, 2016.

7. S.Vijayabalaji and N.Sathiyaseelan, Interval-valued product fuzzy soft matrices and its application in decision making, International Journal of Modern Science and Technology, Vol.1, No.5, 2016

Papers presented in the **International/ National Conference- 6**

(**International-3, National- 3**)

(i) International Conference -3

1. S.Vijayabalaji, Fuzzy n- normed linear space-II, 94th Indian Science Congress held at Annamalai University, Annamalai nagar, Chidambaram, Jan 3- 7, 2007.
- 2 . S.Vijayabalaji and S.Sivaramakrishnan, 2-norm on fuzzy linear space, International Conference on Mathematical modeling and its applications, Annamalai University, Chidambaram, Dec 22-24, 2012.
- 3 .S.Vijayabalaji, Soft-Rough Matrices and its Applications in Decision Making, International Conference on, ' Facets of Uncertainties and Applications' (ICFUA-2013) December 05-07, 2013 jointly organized by Operational Research Society of India, Calcutta Chapter and Department of Applied Mathematics, University of Calcutta.

(ii) National Conference-3

- 1 **S.Vijayabalaji**, n-functional in an n-normed space, 19th Annual Conference of the Ramanujan Mathematical Society, B.R.Ambedkar University, July 21-24, 2004.
2. **S.Vijayabalaji**, Equivalent intuitionistic fuzzy n-norms, National Conference on Mathematical Modelling, Annamalai University, March 26- 28, 2009.
3. S.Vijayabalaji and A.Ramesh, Group Decision making of soft matrices by using a new weighted method, National Conference on Mathematical Modelling conducted by the Department of Mathematics, Annamalai University from Feb 21 -22, 2014.

Paper published in the International Conference/ National Seminar Proceedings- 9

(International-7, National- 2)

(i) International Conference Proceedings : 7

1. S.Vijayabalaji and S.Sivaramakrishnan, Anti fuzzy M- semi group, AIP Conference Proceedings **1482**, 446 (2012) (DOI: <https://doi.org/10.1063/1.4757511>)
2. S.Vijayabalaji and A.Ramesh, Group decision making using ontology based soft-Matrices, Proceedings of the International Conference on Mathematics and its applications (ICMAA-2014) conducted by the Department of Mathematics, Villupuram, Tamilnadu, India, 1-8, Vol.-I, 2014 (ISBN: 978-81-923752-6-7).
3. S.Vijayabalaji and P.Balaji, MCDM method in Cricket using Rough Matrix theory, Proceedings of the International Conference on Mathematics and its applications (ICMAA-2014) conducted by the Department of Mathematics, Villupuram, Tamilnadu, India, 9-21, Vol.-I, 2014 (ISBN: 978-81-923752-6-7).
4. S.Vijayabalaji and J.Parthiban, Matrix theory in valued inner product space, Proceedings of the International Conference on Mathematics and its applications (ICMAA-2014) conducted by the Department of Mathematics, Villupuram, Tamilnadu, India, 897-906, Vol.-II, 2014 (ISBN: 978-81-923752-7-4).
5. S.Vijayabalaji ,G.Shyamsundar and A.Ramesh, A new decision making theory in product fuzzy soft matrices, Proceedings of the International Conference on Mathematics and its applications (ICMAA-2014) conducted by the Department of Mathematics, Villupuram, Tamilnadu, India, 578-592, Vol.-I, 2014 (ISBN: 978-81-923752-6-7).
6. S.Vijayabalaji and A.Ramesh, Application of Grey Analytic Hierarchy Process in Multi soft set decision making problem, , Proceedings of the International Conference on Recent advances in Technology, Engineering and Science conducted by the Department of Mathematics, C.Abdul Hakeem College of Engineering and Technology,Melvisharam, Tamilnadu, India, 1-6, (ISBN: 978-93-5258-740-7), 2016.
- 7.S.Sivaramakrishnan, S.Aruljothi and S.Vijayabalaji, Interval-valued anti fuzzy linear space, 2020 International Conference on System, Computation, Automation and Networking (ICSCAN) , pp.1-3, 2020 (Doi: 10.1109/ISCAN49426.2020.9262371), Publisher: IEEE.

(ii) National Seminar Proceedings- 2

- 1.S.Vijayabalaji and S.Sivaramakrishnan, “Interval-valued fuzzy field and interval-valued fuzzy linear space”, Proceedings of the UGC sponsored National Seminar on “ Recent trend in Fuzzy set theory, Rough set theory and soft set theory “, ISBN 978-81-922305-5-9 (2011),Pg.82-88

2. S.Vijayabalaji and G.Shyamsundar, “Cross-positive fuzzy matrices on 2-inner product spaces,” Proceedings of the UGC sponsored National Seminar on “ Recent trend in Fuzzy set theory, Rough set theory and soft set theory “, ISBN 978-81-922305-5-9 (2011).

Invited talk in the International / National Conference/ National Seminar - 11

(International Conference – 3, National Seminar-3, National Conference- 5)

(i) International Conference: 3

1.Delivered an invited talk at the International Conference on Fuzzy Mathematics and its applications sponsored by Pune University and organized by P.G. Dept of Mathematics, New Arts, Commerce and Science college, Ahmednagar, conducted during Jan 27 to 29, 2007, Pune.

2. Delivered an invited talk entitled,” The theory of fuzzy n-normed linear space” at the International Conference on Artificial Neural Networks and e-Mathematical learning held at Loyola College, Chennai during July 23-25, 2012.

3. Delivered an invited talk entitled,” Extension in Normed Linear Space and Its Application to Uncertainty Theory” at the International Conference on Computational Fluid Flow and Heat Transfer conducted by the Department of Mathematics, Osmania University, Hyderabad during March 28-29, 2018 and chaired a session.

(ii) National seminar : 3

1.Delivered an invited talk entitled,” Fuzzy n-normed linear space” at the UGC sponsored National Seminar on ,” Recent trend in Fuzzy set theory , Rough set theory and soft set theory” during sep 23-24, 2011 organised by Department of Mathematics, Ulberia College, **West Bengal**.

2. Delivered an invited talk entitled,” Fuzzy sets and its applications “ in the Intercollegiate seminar MATH FETE 2012 organized by Department of Mathematics, Krishnasamy College of Science, Arts & Management for Women, Cuddalore on 01.09.2012.

3. Delivered a technical seminar on ,” Application of Mathematics in Engineering” organized by Department of Science and Humanities and Association of Potentially Motivated and Engineering Cadres at Idhaya Engineering College for Women, Chinnasalam on 21.02.14.

(iii) National Conference : 5

1. Delivered an invited talk entitled, ” Soft sets, soft matrices and its decision making’, at the National Conference on ,” Mathematical Sciences and applications” during March 15, 2013 and chaired a session organized by Department of Mathematics, Karunya University.

2. Delivered an invited talk entitled, ’ Soft sets, Rough sets and its applications in decision making’ at the Interdisciplinary National Conference on Soft Computing and its applications conducted by the Department of Mathematics and ECE, University College of Engineering Tindivanam on 29-30 April, 2015.

3. Delivered an invited talk entitled, ” Soft Rough theoretical approach to matrices and their applications’, at the National Conference on ,” Fuzzy theory and applications (NCFTA15)” during July 24-25, 2015 organized by Mathematics division of Science and Humanities Department at KCG College of Technology, Chennai.

4. Delivered an invited talk entitled, ” Soft , Rough sets and their applications’, at the National Conference on ,” Emerging trends in Mathematics” on 28 th July, 2017 conducted by the PG and Research Department of Mathematics, A.V.V. M. Sri Pushpam College, Poondi.

5. Delivered an invited talk entitled, ”A cubic set theoretical approach to soft-rough matrices and their applications’, at the National Conference on applications of Number Theory, Graph theory, Fuzzy logic and Combinatorics in Engineering and Technology, conducted by the Department of Mathematics at Sriram Engineering College, Chennai on march1, 2019.

Invited talk in the Faculty Development Training Programme : 7

1. FDP on Discrete Mathematics from Nov.22-3 Dec, 2006 conducted by Mailam

Engg.College, Tamilnadu, India (31-5-2006)

2. FDP on formal language and automata from May14 to 26 May, 2007 conducted by Mailam Engg.College , Tamilnadu, India (25-7-2007)

3. FDP on Probability and Queueing Theory conducted by the Department of Mathematics, A.V.C College of Engineering, Mayiladuthurai, Tamilnadu, India. (6-12-2014)

Title: Discrete parameter Markov chain Chapman Kolmogrov equation and limiting distributions.

4. FDP on Discrete Mathematics conducted by the Department of Mathematics, University College of Engineering Villupuram, Tamilnadu, India (21-05-2015).

Title: Permutations and combinations

5. FDP on Probability and Queueing Theory conducted by Department of Mathematics IFET College of Engineering and Technology, Villupuram, (29-11- 2015).

Title: Random process and queuing theory

6. FDP on Transforms and PDE (MA6351) conducted by Department of Mathematics, at University College of Engineering, Ariyalur (31.05.2017).

Title: Solving finite difference equations and its applications

7. FDP on Electrical Machines-II conducted by Department of EEEat University College of Engineering, Panruti (30.11.2018).

Title: Fuzzy logic and its applications to Electrical Machines

Faculty Development Training Programme participated: 16

1. Participated in the Anna University sponsored one week Faculty Development Training Programme on ‘ Probability and Queueing Theory’ at University College of Engineering Villupuram conducted by department of Mathematics, Villupuram from 30.11.2012 to 6.12.2012.
2. Participated in the AICTE Sponsored two weeks Faculty Development Programme on ‘ Advances in Software Architecture, Engineering Modelling Tools and Programming Practices’ conducted by department of Computer

Science and Engineering, at Pondicherry Engineering College, Puducherry, from 27.5.2013 to 07.06.2013.

3. Participated in the AICTE Sponsored two weeks Faculty Development Programme on ‘ Developing Pedagogical Skills for Teachers through Active Learning Techniques’ conducted by department of Management Studies, at M.A.M College of Engineering, from 10.06.2013 to 22.06. 2013.
4. Participated in the,’ Certificate course on Effective Patent Drafting-2016’ conducted by CIPR, Anna University Chennai and held at Anna University Regional Campus Coimbatore from 23.11.2016 to 27.11.2016.
5. Participated in the Short-term training Programme on,’ Recent trends in Soft-Computing’ held at Pondicherry Engineering College from 05.12.2016 to 09.12.2016 .
6. Participated in the QIP Short-term course on,’Fuzzy Logic with Applications’ conducted by the department of Mathematics, IIT (BHU), Varanasi from 20.03.2017 to 25.03.2017 .
7. Participated in the AICTE Sponsored two weeks Faculty Development Programme on ‘ Mathematical Sciences Research Challenges in Engineering Applications’ conducted by department of Mathematics, at Sethu Institute of Technology, from 20.11. 2017 to 0212. 2017.
8. Participated in the Anna University Sponsored six days Faculty Development Programme on, “ Linear Algebra and Partial Differential Equations” conducted by department of Mathematics at University College of Engineering Ramanathapuram from 21.06.2019 to 26.06.2019 .
9. Participated in the AICTE sponsored QIP Short term course on,” Advances in Graph Theory with Applications to Network Sciences” held at department of Mathematics, IIT (BHU), Varanasi from 06-08-2018 to 11-08-2018.

10. Participated in the SWAYAM on line course on,' Transforming Instruction through Blended Classroom' from 15.10 2018 to 9.12. 2018 (eight weeks course).
11. Participated in the two weeks on-line Faculty development training programme on,' Managing online courses and co-creating MOOCs-2.0' conducted by Teaching Learning Centre, Ramanujan College , Delhi sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on teachers and Education from 18-05-2020 to 03-06-2020.
12. Participated in the two weeks on-line Faculty development training programme on,' Advanced concepts for developing MOOCs' conducted by Teaching Learning Centre, Ramanujan College , Delhi sponsored by MHRD Pandit Madan Mohan Malaviya National Mission on teachers and Education from 02-07-2020 to 17-07-2020.
13. Participated in the three weeks on-line industrial training programme on,' Basic Science and Communication' conducted by Rajiv Gandhi Memorial Training Centre, BSNL, Tamilnadu from 08-06-2020 to 26-06-2020.
14. Participated in the on-line STTP on,' Matlab- Statistics and Data Sciences' conducted by Department of Applied Science, Sagar Institute of Research and Technology, Bhopal and sponsored by AICTE from 27-07-2020 to 1-08-2020.
15. Participated in the NPTEL-AICTE Faculty Development Training Programme on,' Transform Calculus and its Applications in Differential Equations' from 27.01 2020 to 17.04. 2020 (twelve weeks course).
16. Participated in the on-line AICTE Training and Learning (ATAL) Academy on-line Faculty Development Training Programme on,' Blended and Flipped approach of Teaching and Learning' conducted by NITTR, Chennai from 24-08-2020 to 28-08-2020.

ADDITIONAL RESPONSIBILITIES HELD:

1. Served as Head-in-Charge, Department of Mathematics at University College of Engineering Panruti from 30.10.2015 to 02.01.2019.

2. Serving as student Grievance cell coordinator at University College of Engineering Panruti from 05.10.2018 to till date.
3. Serving as I year coordinator at University College of Engineering Panruti from 04.07.2019 to till date.
4. Serving as Tamil Manram coordinator at University College of Engineering Panruti from 15.03.2013 to till date.

Faculty Development Training Programme conducted: 2

1. Served as one of the co-ordinator on the FDP on Prob.& random processes, during 12 Dec to 18 Dec, 2012, at University College of Engineering Panruti sponsored by Centre for Faculty Development, Anna University.
2. Served as one of the co-ordinator on the FDP on Mathematics-I, during 24 June to 30 June, 2015, at University College of Engineering Panruti sponsored by Centre for faculty development, Anna University.

PROJECTS:

Sanctioned Fund for Innovative Project by Young faculty members under Research Support Scheme by CTDT, Anna University Chennai with an amount of Rs. 50,000 for one year (2013-2014) and completed. The title of the project is, “Soft-Rough Matrices and its applications in Decision Making”.

Ph.D Thesis evaluated/ external examiner: 2

1. Evaluated a Ph.D thesis entitled, 'Intuitionistic L- fuzzy ideals of BF/BG Algebras' submitted by Mr.P.Muralikrishna at Madurai Kamaraj University and acted as external examiner during 2013.
2. Acted as one of the external examiner for the Ph.D Viva- voce examination in respect of the research scholar Mr.S.Velmurugan held at the Department of Mathematics, Sri Angalamman College of Engg., Trichy affiliated to Anna University during 2014. The

title of the thesis is,' Contributions to the theory of χ^2 - sequence spaces defined by Musielak and climate changes of Fuzzy applications'.

Membership in Professional bodies:

1. Life member of Orissa Mathematical Society (2018 LMOMS 765).
2. Life member of Kerela Mathematical Association from 07-06-2018.

DECLARATION:

I declare that the above statements are true to the best of my knowledge and belief.

S.VIJAYABALAJI