STAFF PROFILE

1) Name : Dr. K. Julia Rose Mary

2) Designation : Associate Professor & Head, Department of Mathematics

3) Department P.G. & Research Department of Mathematics : M. Sc., M. Phil., Ph. D.

4) Qualification : Teaching: 26 Research: 21

5) Experience

6) Area of Specialization (s) : OPERATIONS RESEARCH

7) E-mail : juliakulandaisamy@gmail.com

8) Academic Qualifications: M.Sc., B.Ed., M. Phil., Ph. D.

9) Additional Qualifications:

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
Post Graduate Diploma in Computer Applications	Computer Applications	Alagappa University, Karaikudi	1992
Post Graduate Diploma in Operations Research	Operations Research	Pondicherry University Pondicherry	2004

10) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	5
M. Phil.	21	1

11) Research Publications

International

Author Name, Co-author Name, Title of the Paper, *Journal Name* (Year) Volume, Page No.

[1] K. Julia Rose Mary, M I. Afthab Begum, and S. Palaniammal, "Unreliable M^x/M/1-N Policy with single vacation and start up time", Int. J. Comp. Math. Sci. App., (2008). Vol.2, No.3, July-September, pp (213-221).

[2]. K. Julia Rose Mary and M.I. Afthab Begum, "Steady State Analysis of an M^x/G_1G_2/1

queue with N policy and setup time", Res. High. JADU., (2010) pp (2021-2032).

[3]. K. Julia Rose Mary and M.I. Afthab Begaum, "M^x/M/1 queue with working vacation", Acta Ciencia Indica, (2010), Vol. XXXVIM, no.3 pp (429-439).

[4]. K. Julia Rose Mary and M.I. Afthab Begum, "G1/M/1 queue with multiple working vacations", Karpagam IJAM. (2010). Vol 1, Issue 1, Apr' 10 – Sep' 10 pp (31- 38).

[5]. K. Julia Rose Mary, M.I. Afthab Begum and Jemila Parveen, "Bi-level threshold policy of M^x/G_1G_2/1 queue with early setup and single vacation", Int. J. Operational Research. (IJOR). (2011). Vol. 10, No.4. 2011, pp (469-493).

[6]. K.Julia Rose Mary and Afthab Begum .M.I, "An optimum control of a batch arrival queue With second optional service and setup time under Bernoulli vacation schedule" – American Journal of Mathematics and Science – Jan 2012 -Vol 1 –pp (211-216).

[7]. K.Julia Rose Mary and C.Shanmuga Priya - "Optimal policy of fuzzy $M^x_{(m,N)}$ /G_{sos}/1 multiple vacation queuing system " – International Journal of Computer Applications- February (2014), Issue 4 Volume 1 ISSN: 2250 – 1797.

[8]. K.Julia Rose Mary and T.Gokilavani - "Cost Analysis of FM^x/FM/1 Queuing system" - International Journal of Computer Applications-February (2014), Issue 4, Volume 1, ISSN: 2250 – 1797.

[9]. K.Julia Rose Mary and T.Gokilavani - "Analysis of M^x/M/1/MWV with fuzzy parameters" - International Journal of Computer Applications- March – April (2014), Issue 4, Volume 2 ISSN: 2250 – 1797.

[10]. K.Julia Rose Mary and Angle Jenita .P, "Optimal operating policy of FM^X/FM/1 multiple working vacation queuing system" - International Journal of Advanced and Innovative Research (2014), Vol 3- Issue 1, Page 292-299.

[11] K.Julia Rose Mary and Angle Jenita .P "Second optional service Queuing model with Fuzzy parameters" – International Journal of Applied Engineering and Technology- 2014 Vol 4, Issue (1), pp 46-53.

[12] K.Julia Rose Mary and Angle Jenita .P, "Fuzzy cost analysis of M^x/G_1G_2/1/MV Queuing Model", International journal of Advanced and Innovative Research 2014, vol 3 Issue 8, pp (56- 62).

[13] K.Julia Rose Mary, P.Monica and S.Mythili, "Performance Measure of FM/FM/1 queuing system with N-policy", International journal of physics and Mathematical Sciences, 2014 Vol (4) Issue 3, pp 10-15.

[14]. K.Julia Rose Mary and G.Majula Christina, "Analysis of fuzzy working vacations queuing models using DSW", 2015, Algorithm International journal of Advanced and Innovative Research Vol 4 Issue (1), pp 116-119.

[15] K.Julia Rose Mary and G.Majula Christina, "DSW Algorithm for FM(X)/FM/1 single working vacation queuing model", International journal of Advanced and Innovative Research, 2015, vol 3, Issue 8.

[16] K. Julia Rose Mary and G.Majula Christina, "Analysis of total average cost for MX(m,N)/M/1/BD/MV with fuzzy parameters using robust Ranking Techniques", International Journal of Computer Applications 2015, vol (121) Issue (24), pp (1-4).

[17] K.Julia Rose Mary and J.Pavithra. "Analysis of FM/FM(a,b)/1/MWV Queueing model," International Journal of Innovative Research Science Engineering and Technology (IJIRSET) (2016), Vol 5 Issue 2, pp (1391-1397).

[18] K.Julia Rose Mary, R.Rajalakshmi and J.Pavithra , "Analysis of FM/FM(a,b)/1/MWV /Br Queuing model", International Journal of Innovative Research Science Engineering and Technology (IJIRSET) (2016), Vol 142 Issue 11, pp (18-22).

[19] K.Julia Rose Mary, J.Maria Remona and S.Vinnarasi, "Operating characteristic of M^x/M/1/MWV/BD queuing systems", IJIRSET (2016), Vol 5 Issue 2, pp (2877-2882).

[20] K.Julia Rose Mary, S.Vinnarasi and J.Maria Remona, "Unreliable batch arrival queuing system with SWV", IJIRSET (2016), Vol 5 Issue 2 pp(2884-2889).

[21] K.Julia Rose Mary, R.Rajalakshmi and J.Pavithra , "Steady state Analysis of m/M(a,b)/1 MWV queuing model", IJIRSET (2016), Vol 5 Issue 2 pp (2890-2895).

[22] K.Julia Rose Mary, JM.Remona and R.Rajalakshmi, "Analysis of M/M(a,b)/1/MWV/Br Queuing model", International Journal of Computer Applications (2016) Vol (141) Issue (7) May Pp (1-4).

[23] Julia Rose Mary, K., Maria Remona.J and Rajalakshmi, R., "Analysis Mx/M/1/MWV/BD Queuing Systems", International Journal of Computer Applications, 2016, Vol 141, issue 7, pp. 1-4.

[24] J. Maria Remona, Dr. K. Julia Rose Mary, "Fuzzy Analysis of Mx/M/1/MWV with Breakdown Queuing Model", Mathematical Sciences International Research Journal, Vol 5 Issue 2, pp. 257-260, 2016.

[25] Rajalakshmi .R and Julia Rose Mary .K, "Operating characteristics of M/M(a,b)/1/MWV/BD Queuing systems", Mathematical Sciences International Research Journal, Vol.5, issue.2, pp.179-182, 2016.

[26] Pavithra, J. and Julia Rose Mary, K., "Analysis of FM/M/1 Queuing system with reverse Balking", Mathematical Sciences International Research Journal, Vol.5, issue.2, pp.226-229, 2016.

[27] Pavithra, J and Julia Rose Mary, K., "Finite capacity single server queuing system with Reverse reneging in fuzzy environment", International Advanced Research Journal in Science, Engineering and Technology, Vol. 3, issue. 9, pp. 67-70, 2016.

[28] K.Julia Rose Mary and R.Rajalakshmi, "M/M/C:N/FIFO Queuing Analysis for patient flow in hospital", International Journal for Research in Applied Science and Engineering Technology, Aug 2017, Vol 5, Issue 8, Pp (2163-2169).

[29] K.Julia Rose Mary and R.Rajalakshmi, "Fuzzy analysis for M/M/C finite capacity queuing Model", International Journal of Applied Research, Aug 2017 Vol 3, Issue 9 pp(103-106).

[30]. K. Julia Rose Mary and Kavitha. G, "Fractal representation of chronic myeloid leukemia" Global Journal of Pure and Applied Mathematics, 2017, Volume 13, Number 6.

[31]. Priyadarshini Infanta and K.Julia Rose Mary and, "A study of structural changes of Airway in Human Asthma using Fractal Dimension", Global Journal of Pure and Applied Mathematics (2017) Volume 13, Number 6, pp 44-48.

[32] Rajalakshmi .R and Julia Rose Mary .K, "Fuzzy performance measures for M/M/C with Infinite capacity queuing model", International Journal of Science & Engineering Development Research, Volume 2, Issue 10, pp. 51-55, 2017.

[33] K. Julia Rose Mary, G. Kavitha, C. Priyadharshini Infanta, "A Relationship between Insulin and Insulin Receptors on Adipose Tissue with M/M/C model", International Journal of Pure and Applied Mathematics International Journal of Pure and Applied Mathematics 2018, Volume 119 No. 16, 641-653.

[34].K. Julia Rose Mary and J. Christy Jenifer, "Drugs to cure Eosinophil syndrome under Transient state and steady state", International Journal of Research in Engineering, Science and Management (2018), Vol 1, Issue -10, pp (627-630).

[35].K.Julia Rose Mary and J. Christy Jenifer, "Effects of Dopamine Receptors in drugs under Transient state and steady state", International Journal of Research in Engineering, Science and Management (2018), Vol 1, Issue -10, pp (611-614).

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[37].Vyshna Unni and K. Julia Rose Mary and, "M/M/1 multiple vacations queuing systems with differentiated vacations under mixed strategy customers", AIP conference Proceedings 2020, Vol 2261.

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[41] Maria Remona J, Julia Rose Mary K, "Performance measures of the homeopathic medications in curing the thyroid hormone disorders using M/M/4 transient queuing model", Vol. 7, Issue 4, pp. 1592-1600, 2018.

[42].Deepa.M and K.Julia Rose Mary, "Heterogenous arrival fluid model driven by an M/M/1 Queue with exponential vacations subject to catastrophes", International Journal of Analytical and experimental modal analysis, 2020, Vol XII, Issue X, pp (855-862).

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[44] Monica Celin and K.Julia Rose Mary, "Multi person decision making in fuzzy environment for Obesity", Infokara Research, 2020, Vol,9, Issue 1, pp(301-305).

[45].U.Felicia and K.Julia Rose Mary, "A study of Stationary analysis of an M/M/1 fluid queue subject to balking and breakdown", Infokara Research , 2019 , Vol 8, Issue 8, pp(430-433).

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[47] C.Priyadharshini Infanta and K.Julia Rose Mary, "Transient Analysis of M/M/c Queue Having i Customers in the Beginning with Heterogenous Servers under Catastrophes and Balking", International Journal of Scientific Research and Review, Vol 8, Issue 4, pp. 791-796, 2019.

[48] VyshnaUnni and K. Julia Rose Mary, "Queuing systems with multiple servers under differentiated working vacations", Vol. 7, Issue 4, pp. 392-396, 2019.

[49].Kavitha.G and K.Julia Rose Mary, "Transient solution of M/M/C model for unreliable Server with catastrophes under restricted admissibility", Journal of Information and computer science, 2019, Vol 9, Issue 11, pp (423- 427).

[50].C.Priyadarshini Infanta and K.Julia Rose Mary, "Transient Analysis of M/M/c queue with multiple working vacations and customers impatience", The International Journal of Analytical and Experimental modal analysis, 2019, Vol XI, Issue X, pp (2991- 2998).

[51] G. Kavitha and K. Julia Rose Mary, "Transient Solution for Unreliable C Servers Under Balking and Catastrophes", International Journal of Science and Research, Vol. 8, Issue 12, pp. 770-772, 2019.

[52] C.Priyadarshini Infanta and K.Julia Rose May, "Transient analysis of M/M/C with balking and vacation", 2020, International Journal of Research and Analytical Review, Special Issue pp (31-35).

[53]. Kavitha.G and K.Julia Rose May, "Transient solution of M/M/C Queuing model for Heterogenous servers with catastrophes and balking", 2020, International Journal of Research and Analytical Review, Special Issue, pp (36- 40).

[54]. Vyshna Unni and K.Julia Rose Mary, "Queuing Systems with Multiple Servers under Differentiated Working Vacations", International Journal of Research in Advent Technology, April 2019, Vol. 7, Issue 4, page no: 392-396.

[55]. Vyshna Unni and K.Julia Rose Mary, "Evaluation of Queuing Systems for C – Servers under Multiple Differentiated Vacations and with Partial Vacation Interruptions", International Journal of Advance and Innovative Research, June 2019, Vol. 6, Issue 2, Page NO: 170-177.

[56]. K.Julia Rose Mary, "Detailed study of Pearson Correlation and Cross correlation for Face Recognition" in the International Journal of Analytical and Experimental Modal Analysis Oct 2020, Vol XII, Issue X.

[57] Prakati. P and Julia Rose Mary. K, "Analysis of Genetic Algorithm in Inventory Management", International Journal of Analytical and Experimental modal analysis, Vol 13, Issue 3, pp. 407-412, 2021.

[58] Shara Celin. W and Julia Rose Mary. K, "Case Study of Inventory in Genetic Algorithm", International Journal of Analytical and Experimental modal analysis, Vol 13, Issue 3, pp- 529-533, 2021.

[59] Deepa and Julia Rose Mary. K, "Bulk arrival tandem fluid model driven by an MX/M/1 vacation queue", INFOKARA Research, Vol. 10, Issue 1, pp. 233-242, 2021.

[60] Deepa and Julia Rose Mary. K, "Heterogeneous Arrival Tandem Fluid Model Driven by an M/M/1 Vacation Queue Subject to Catastrophe", Journal of XI'AN University of Architecture & Technology, Vol. 13, Issue 4, pp. 582-595, 2021.

[61] VyshnaUnni and K. Julia Rose Mary, "M/M/1 Differentiated Vacation Queuing System under Mixed Strategy of Customers with Partial Vacation Interruption", Strad Research, Vol. 8, Issue 6, pp.9-18, 2021.

[62] R. Rajalakshmi and Dr. K. Julia Rose Mary, "Hesitant Bipolar-Valued Intuitionistic Fuzzy set in Multi Attribute Group decision making", Strad Research, Vol. 8, Issue 5, pp. 704-711, 2021.

12) Other Publications

- K. Julia Rose Mary and M.I. Afthab Begum. "Unreliable Bulk Queue with Single Vacation and an Early Setup time", Proceedings: ICOREM. Anna University. Trichy, May 27th -29th. (2009), 1186-1195.

- K. Julia Rose Mary and M.I. Afthab Begum. "Closed form Analytical Solution of the General Bulk service Queuing Model M/M(A,B)/1 under Working Vacation". Proceedings of Mathematical and Computational Models: Recent Trends. International Conference on Mathematical and Computational models, PSG College of Technology, December, 21st -23rd. (2009), 92-100.

- K. Julia Rose Mary, M.I. Afthab Begum, M. Jemila Parveen. "M/M/1 Queue with Working Vacation", Proceedings of Mathematical and Computational Models: Recent Trends. International Conference on Mathematical and Computational models, PSG College of Technology, December, 21st -23rd. (2009), 92-100.

- K. Julia Rose Mary and M.I. Afthab Begum – "An optimum control of batch arrival queuing system with S.O.S and setup time under Bernoulli vacation schedule" – National Conference in Recent frontier in applied dynamical system at Karunya University on Jan 21 & 22 – 2011.

- K. Julia Rose Mary and M.I. Afthab Begum – "The (m,N) policy of single server Batch arrival Queuing system with S.O.S under (m,N) policy and single Benoulli vacation", International Conference on Mathematical and computational model on 2011, Dec 19-21 at PSG Tech

- K. Julia Rose Mary and M.I. Afthab Begum. "The (m,N) policy of single server batch Arrival Queuing system with multiple vacations and break downs under restricted admissibility", International conference on Mathematics and its applications – A new wave (ICMANW - 2011) held on 21st and 22nd Dec 2011 at Avinashilingam University.

- K.Julia Rose Mary and D.Victor Arokia Doss, "Modeling of CREB pathway induced Gene Induction, from stimulation to repression", 19th International conference on Matematical Biology, Barcelona-Spain May 26th and 27th, 2017, pp (2972-2976).

- D.Victor Arokia Doss , Soundarya.K and K.Julia Rose Mary, "Evaluation of serine and branched chain amino acid levels in depression and the beneficial effects of exercise in

rats", 19th International conference on Matematical Biology, Barcelona-Spain May26th and 27ᵗʰ, 2017, pp (2967-2971).

- Hepshiba.B and Julia Rose Mary. K, "Application of Queuing Model for Healthcare Centre", Journal of Information and Computational Science, Vol. 10, Issue 2, pp. 1358-1366, 2020.

13) Presentations in Conference

International

- K. Julia Rose Mary and M.I. Afthab Begum. "Unreliable Bulk Queue with Single vacation and An Early Setup time". Proceedings: ICOREM. Anna University. Trichy. May, 27th -29th.(2009).

- K. Julia Rose Mary and M.I. Afthab Begum. "Closed form Analytical Solution of the General Bulk service Queuing Model M/M(A,B)/1 under Working Vacation". Proceedings of Mathematical and Computational Models: Recent Trends. International Conference on Mathematical and Computational models, PSG College of Technology, December, 21st-23rd (2009).

- K. Julia Rose Mary, M.I. Afthab Begum, M. Jemila Parveen. "M/M/1 Queue with working vacation". Proceedings of Mathematical and Computational Models: Recent trends. International Conference on Mathematical and Computational models, PSG College of Technology, December, 21st-23rd. (2009).

- K. Julia Rose Mary and M.I. Afthab Begum – "The (m,N) policy of single server Batch arrival Queuing system with S.O.S under (m,N) policy and single Benoulli vacation, International Conference on Mathematical and computational model on 2011, Dec 19-21 at PSG Tech".

- K. Julia Rose Mary and M.I. Afthab Begum. "The (m,N) policy of single server batch arrival Queuing system with multiple vacations and break downs under restricted Admissibility" International conference on Mathematics and its applications – A new wave (ICMANW - 2011) held on 21ˢᵗ & 22nd Dec 2011 at Avinashilingam University.

- K.Julia Rose Mary and D.Victor Arokia Doss, "Modeling of CREB pathway induced Gene Induction from stimulation to repression", 19th International conference on

Matematical Biology, Barcelona-Spain May 26th and 27th 2017.

- D.Victor Arokia Doss , Soundarya.K and K.Julia Rose Mary, "Evaluation of serine and branched chain amino acid levels in depression and the beneficial effects of exercise in rats", 19th International conference on Matematical Biology, Barcelona-Spain May 26th and 27th 2017.

- Rajalakshmi.R and Julia Rose Mary.K, "Operating characteristics of M/M(a,b)/1/MWV/BD Queuing systems", International conference on Mathematics & Computer science 2017, IMRF Publications, 2016.

- Maria Remona. R and Julia Rose Mary. K, "Fuzzy Analysis of Mx/M/1/MWV with Breakdown queuing Model", International conference on Mathematics & Computer science 2018, IMRF Publications, 2016.

- Pavithra, J. and Julia Rose Mary, K., "Analysis of FM/M/1 Queuing system with reverse Balking", International conference on Mathematics &Computer science 2016, IMRF Publications, 2016.

- Kavitha.G and K. Julia Rose Mary, "A relationship between insulin and insulin receptors on adipose tissue with m/m/c model", International Conference on Analysis and Applied Mathematics, SHANLAX Publications, 2018.

- Kavitha.G and K. Julia Rose Mary, "Fractal representation chronic myeloid leukemia", 3rd international conference on applied mathematical models, PSG Tech, 2018.

- C. Priyadharshini and K. Julia Rose Mary, "A Study of Structural changes of Airway in Human Asthma using Fractal Dimension", 3rd international conference on applied mathematical models, PSG Tech, 2018.

- Kavitha.G and K. Julia Rose Mary, "Transient solution of m/m/c queuing model for heterogeneous server with catastrophes and balking", Internatinal Conference on emerging areas of Mathematics for science and Technology, Rathinam college, Coimbatore, 2019.

- C. Priyadharshini and K. Julia Rose Mary, "Transient Analysis of M/M/c with Vacation and Balking", International Conference on emerging areas of Mathematics for science and Technology, Rathinam College, Coimbatore, 2019.

- Deepa and Julia Rose Mary. K, "Tandem Fluid Model Driven by an MX/M/1 Queue Subject to Balking and Vacations", 86th Annual Conference Of The Indian Mathematical

Society, VIT, Vellore, 2020.

- Vyshna Unni and K. Julia Rose Mary, "M/M/1 Multiple Vacations Queuing Systems with Differentiated Vacations under Mixed Strategy of Customers", UGC SAP Sponsored International Conference on Advances in Applicable Mathematics (ICAAM-2020), Organized by Bharathiar University, Coimbatore, 2020.

National

- K.Julia Rose Mary and M.I. Afthab Begum "The (m,N) policy of single server batch Arrival queuing System with multiple vacations and break downs on Scientific computing and applied mathematics" at V.L.B. Janakiammal Engineering College, Coimbatore on 29.06.2011 & 30.06.2011.

- K. Julia Rose Mary and M.I. Afthab Begum – "An optimum control of batch arrival Queuing system with S.O.S and setup time under Bernoulli vacation schedule" – National Conference in Recent frontier in applied dynamical system at Karunya University on Jan 21 & 22 – 2011.

- Pavithra, J. and Julia Rose Mary. K. "Fuzzy cost analysis of M/M(a,b)/1 with Multiple working vacations queuing model", Nirmala Annual Research Congress, Nirmala College for Women, 2016.

- C. Priyadharshini and K. Julia Rose Mary, "A Comparative Study of Fractal Dimension of Restrictive Lung Diseases", Nirmala Annual Research Congress, Nirmala College for Women, 2017.

- Kavitha.G and K. Julia Rose Mary, "Fractal Dimension of Nucleus in Chronic Myeloid Leukemia Cell", Nirmala Annual Research Congress, Nirmala College for Women, 2017.

- Kavitha.G and K. Julia Rose Mary, "Transient solution of m/m/c queuing model for homogeneous server with finite capacity", Nirmala Annual Research Congress, Nirmala College for Women, 2018.

- Maria Remona. R and Julia Rose Mary. K, "Measures of Performance of the Allopathic Medications in curing the Thyroid Harmone Disorders using M/M/4 transient Queuing Model", Nirmala Annual Research Congress, Nirmala College for Women, 2018.

- C. Priyadharshini and K. Julia Rose Mary, "Transient solution of M/M/C heterogeneous

server with infinite model", Nirmala Annual Research Congress, Nirmala College for Women, 2018.

➢ K. Julia Rose Mary and J.Christy Jenifer, "Transient solution of M/M/3 queue with heterogeneous server subject to Catastrophes", Nirmala Annual Research Congress, Nirmala College for Women, 2018.

➢ Vyshna Unni and K. Julia Rose Mary, "M/M/C Multiple Vacations Queuing Systems with Differentiated Vacations", Nirmala Annual Research Congress, Nirmala College for Women, 2018.

➢ Felicia U and Julia Rose Mary K, "Analysis of M/M/1 Fluid Model Queue with Working Vacation", National Annual Research Congress, Nirmala College for Women, 2019.

14) Participation in Conference

➢ ICOREM. Anna University. Trichy. May, 27th -29th. (2009),

➢ Recent Trends International Conference on Mathematical and Computational models, PSG College of Technology, December, 21st -23rd. (2009).

➢ National Conference In Recent frontier in Applied dynamical system at Karunya University on Jan 21 & 22 – 2011.

➢ International Conference on Mathematical and computational model on 2011, Dec 19-21 at PSG Tech".

➢ Mathematics and its applications – A new wave (ICMANW -2011) held on 21st 22nd Dec 2011 at Avinashilingam University.

➢ 19th International conference on Mathematical Biology, Barcelona-Spain May 26th and 27th, 2017.

15) Participation in Seminar

➢ Optimization techniques its applications at Srisakthi Institute of Engineering at 7.12.2007.

➢ Scientific computing and applied mathematics. L.B. Janakiammal Engineering College, Coimbatore on 29.06.2011 & 30.06.2011.

16) Participation in Workshop

- ➢ Workshop on "Revised Guide lines for the Accreditation Process of NAAC "on 22.02.2020.
- ➢ Workshop on "Revised Guide lines for the Accreditation Process of NAAC "on 07.03.2020.
- ➢ Workshop on "Innovative Eco – systems , Incubation centres and start-ups for higher education Institutions on 19.03.2020.

17) Participation in Orientation Programme/ Induction Programme/ Short term Courses

- ➢ 45th Orientation Course conducted by Bharathiar University from 30.010.2001 to 26.11.2001.
- ➢ Refresher course in Environmental studies conducted by Bharathiar University from 15.10.2004 to 04.11.2004.
- ➢ Refresher course in Mathematics conducted by Bharathiar University 16.01.2007 to 21.02.2007.
- ➢ Refresher course in Algebra conducted by Academic staff college Madras University 05.11.2009 to 26.11.2009.

18) Participation in Faculty Development Programme

- ➢ Finishing school – carrier advancement programme Coimbatore Institute of Management on 14.05.2008 to 16.05.2008.
- ➢ Faculty Development Programme in LINUX at Dept of Mathematics Nirmala college for women on 31.01.2018.

19) Conference/ Seminar/ Workshop Organized

- ➢ Workshop on Operations Research and its applications on 2.12.10 & 3.12.10.
- ➢ Trends and Challenges in Mathematical Modelling on 05.01.2018.
- ➢ A New Cognitive approach to real life problems via Mathematics on 05.12.2019.
- ➢ Partial Differential Equations Theory and Application on 25.05.2020 and 26.05.2020.

20) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

- ➢ R.V.S College of arts and science on Markovian batch arrival queuing system with Bilevel control policy under server vacation and break down on 07.02.2012.

- Sri Narayana guru College of Arts and science on An optimum control of a batch arrival queuing system with S.O.S under Bernoulli vacation schedule on 07.08.2011.
- SNMV College of arts and Science delivered a lecture on Application of Mathematics on 11.2.2013.
- As a subject expert for selecting lecturers at Sri Narayanaguru College on 30.5.2013.
- R.V.S. College of Arts and Science Analysis of Working vacation policy at R.V.S on 6.9.14.
- Chair person 19 th International conference on Matematical Biology, Barcelona-Spain on 26.05.2017.
- M.Phil Viva-voce Examiner Avinashilingam University, Coimbatore ON 18.09.2017.
- Delivered Guest Lecture on Queuing theory at PSGR Krishnammal College, Coimbatore on 11.01.2018.
- Project Viva-Voce examiner at R.V.S. College of Arts and Science on 02.04.2018.
- Delivered Guest Lecture on Applications of Queuing theory at KG College of Arts and Science, Coimbatore on 27.02.2019.
- Member of the Permanent Affiliation Inspection Commission , Government Arts and Science College, Kangeyam, on 27.08.2019.
- Delivered guest lecture on Queuing models at self financing campus Avinashilingam University, Coimbatore on 20.02.2020.
- Delivered a lecture in the webinar on the topic of Queuing strategy an overview at Nehru Arts and Science College on 13.05.2020.
- Convenor of the Continuous Affiliation Inspection Commission P.S.G College of Arts And Science on 18.08.2020.
- Delivered Expert conversation on Optimization techniques at Kumaraguru college of Arts and Science on 11.09.2020.
- Mentored the faculties of the Erode Christian college for criteria III on 25.02.2020.
- Mentored the faculties of the A.G College of Arts and Science Tirupur for criteria III on 28.02.2020.
- Mentored the faculties of the Keepyee college of Arts and Science , Kothari for criteria

III on 29.02.2020.

- ➢ Mentored the faculties of the Angappa college Coimbatore for criteria III on 03.03.2020.
- ➢ Mentored the faculties of the Bishop Ambrose college Coimbatore for criteria III on 4.03.2020.

21) Member in Board of Study

Board member in Rathinam College of Arts and Science

- ➢ For 2019 -2020 Board of studies conducted on 22.11.2019.
- ➢ For 2020-2021 Board of studies conducted on 09.07.2020.

22) Editorial/ Review Board Member

- ➢ Editorial Member in International Journal of Humanities and Science.
- ➢ Chairperson in 19th International conference on Mathematical Biology, Barcelona-Spain May 26th and 27th, 2017.

23) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
Mathematics Teacher Association	Life Member	