

**FACULTY PROFILE**

Name	PROF.(DR.) SUSHA D.
Designation	PROFESSOR
Department	MATHEMATICS

PERSONAL DETAILS

Date of entry into permanent service	03-06-1996
Total teaching experience as on 01 December 2025	29 Years and 6 Months
Age and Date of Birth	55, 31-05-1970
Residential Address	Sivasailam Kannamkode Adoor P. O. Pathanamthitta (Dist) PIN - 691523
Address for Correspondence	Same as Above
Mobile / Whatsapp Number	9495435558
E-mail (Personal and Official)	sushad70@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University	Grade/ Rank etc.
UG	Mathematics	S. N. College for Women, Kollam Kerala University	4 th Rank
PG	Mathematics	Cochin University of Science and Technology	First Class with Distinction



B.Ed.	Mathematics	M. G. University, Kottayam	First Class
UGC- JRF	Mathematics		
M Phil	Mathematics	Cochin University of Science and Technology	First Class
Ph D	Mathematics	Cochin University of Science and Technology	Awarded on 15 th September, 2007
Additional Qualifications	Ph.D. – Management Studies	Kerala University	Awarded on 30 th July, 2018

COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
College Council	Secretary	01-06-2024 to till date
Research Advisory Committee	Convenor	2023-2025
Head of the Department		01-06-2017 to 05-01-2019 & 16-10-2023 to till date
NAAC criteria three (Research and extension)	convenor	2021-2023.
College Council	Member	01-06-2017 to 05-01-2019 & 16-10-2023 to till date
Research Centre	Co-Ordinator	2010-Till Date
Research Supervisor		19-08-2011 onwards
Special Vigilance Squad	Convener	2016-2017
Faculty of Science , M. G University	Member	Order No. 3215/2/201707-03-2017
Research Development Committee	Member	2010- Till date
Internal examination cell	Member	2009-2010
PG Board of Studies (M.G University)	Member	U.O.No. 1781/2020/Admn dated 11—0-2020



PG Board of Studies (Kerala University)	Member	AcD/3/8212/2018 dated 28-09-2018
Governing Council Member to M.O.C Colleges	Member	O.No.2360/B1/ Academic/2018 dated 13-04-2018
31 st Kerala Science Congress	Co- Convenor	2 nd & 3 rd February 2019
State Entrance Examination	Observer	2010 to 2017
Publication Committee	Member	2010-12
Subject expert for promotion of teachers	Member	2017 to till date
Website committee	Member	2010-12
Consultancy service	Convener	2011-14

Earn While Learn Programme	Convener	2014-15
Feedback Committee	Member	2015-16
Reading Empowering Committee	Convener	2016-17
Remedial Committee	Member	2016-18
Cultural Programme Committee	Member	2016-17
Counselling cell	Member	2017-20
Parent Teacher Association	Member	2018-19
Parent Teacher Association	Treasurer	2019-20
Anti- ragging Committee	Member	2018-20


POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Chairman	M.Sc second semester (CSS) examination held on 2022, 2023 2024 & 2025 .
Deputy Chairman	Kozhencherry Zone of B.Sc (CBCSS) Examination of all semesters held on 2022, 2023, 2024 & 2025
Principal	St. Cyril's College, Adoor ,01-06-2020 to 15-08-2021
Board of Studies Member	PG Board of Studies, University of Calicut
Question Paper Setter	Kerala university & S B College, Changanacherry
Co-Ordinator	KSCSTE sponsored & DST supported- National Science Day Celebrations 2020
Board of Studies member	P.G Board of Studies member, University of Kerala
Deputy Chairperson	In the board of examiners for 3rd sem CBCS(UG) Maths Core and Complementary examination October-November 2019
Chief examiner	5 th semester CBCS (UG) examination of the C.V camp held at St. Thomas College, Kozhencherry
Co-Convenor	The Technical session committee of the 31 st Kerala Science Congress held during 2 nd and 3 rd February 2019 at Fathima Mata National College, Kollam.



Board of Studies member	P.G Board of Studies member, Sree Narayana Guru Open University
Special Vigilance Squad member	Special Vigilance Squad member of autonomous colleges in the Kottayam area as per the order no. 632/EAll/2/513/2017/Exam dated 19-10-2017.
Chairman	Chairman of the Scrutiny Board of the question papers of 1 st and 3 rd Semester B. Sc. Mathematics (CBCSS) Degree Examination of Kerala University held on 19-12-2017
Governing Council Member	Governing Council Member to M.O.C. Colleges nominated by M.G. University as per order No. 2360/B1/Academic/2018 dated 13-04-2018.
Faculty Member of Science	Faculty Member of Science as Constituted by M.G. University as per order No. 3215/2/2017 Edn dated 07-03-2017.
External Examiner	External Examiner for conducting M. Sc Viva Voce and Project Evaluation at D.B.College, Parumala and St. Thomas College Kozhencherry on 12-07-2017 to 13-07-2017 and 14-07-2017 respectively
Stage Manager/ Event Manager	M.G. University Youth Festival "Noopura 2017" held at St.Thomas College, Kozhencherry on 23-02-2017 & 24-02-2017.
Member of the Technical Committee	29th Kerala Science Congress from 28-01-2017 to 30-01-2017.
Convenor	Convenor of Special Vigilance Squad 2016-17 of M.G. University in the Pathanamthitta area
Observer	As an Observer in conducting State entrance examination of M.B.B.S and Engineering 2010, 2011, 2012, 2013, 2014, 2015, 2017.
Question paper setter for KPSC	Question paper setter for K PSC examination of higher secondary teachers on 2014
Question paper setter of University of Kerala	Question paper setter of University of Kerala for CBCSS (UG) Maths 4 th sem examination April/May 2015 & Maths 5 th sem October 2015
Question paper setter	UG Programme under CBCSS of Mar Ivanios College, Trivandrum for Nov. 2014 examination



Member of the Expert Committee	Member of the Expert Committee of M.G. University for revaluation of the paper Measure and Integration on 11-10-2013.
Presiding Officer	In the Lok sabha election conducted on April 16 th 2009 in Paathanamthitta constituency.
Subject Expert	In the Selection Committee for recruitment of teaching staff in various colleges of M.G. University from 2009-2012

RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2007 (Mathematics) 2018 (Management Studies)
No. of Publications	87
No. of papers presented in Conferences, Seminars, Workshops and Symposia	09
Year of Award of Research Guideship	2010
No. of Ph.Ds produced	4
No. of Ph.D. students on going	2
No. of Major Research Projects awarded/completed	NIL
No. of Minor Research Projects awarded/completed	02
Total amount of research grant awarded	189000/-

RESEARCH PROJECTS

Name	Details	Amount
UGC Minor Project		Rs. 40000/-



	UGC has sanctioned a minor project for two years (2008-2010) on the topic "Categorical Approach in Uniform Spaces and Its Applications".	
UGC Minor Project	UGC has sanctioned minor project for two years (2012--2014) on the topic "Application of Mathematics in Industry to solve real life problems"	Rs. 149000/-

RESEARCH PUBLICATIONS IN PEER-REVIEWED/REFERRED/ UGC LISTED JOURNALS (NATIONAL / INTERNATIONAL)

Sl.No	Title of the paper	Name of the Journal & ISSN Number	Sl.. No. in the UGC list	Date of Publication and Impact Factor if any	Volume, Issue and page Number
1.	On fuzzy box products	Journal of Tripura Mathematical Society ISSN 0972-1320	63974	2004	Vol 6 , p. No.35-40.
2	Fuzzy uniformities in fuzzy box products	The Journal of Fuzzy Mathematics-International fuzzy mathematics institute ISSN 10668950	49340	2005	Vol.13,No.3, p. no.-707-712.
3	Fuzzy α - paracompactness in fuzzy box products	The Journal of Fuzzy Mathematics-International fuzzy mathematics institute ISSN 10668950	49340	2006	Vol No. 14 ,No.1, p.No-223-229
4.	"Role of VAT in Preventing Unfair Trade Practices"	Southern Economist ISSN 0038-4046	181	April 2004	Vol.42, No.23&24



					APRIL, p. no. 19-20.
5.	Cheque Truncation System- a Substitute for the Paper Based Processing	The Management Accountant ISSN 0972-3528		January 2007	Vol. 42 No.1, p. no.,32-34.
6.	Forensic Accounting- a New Method for Preventing Fraud	Southern Economist ISSN 0038-4046	181	July 2007	Vol. 46 No. 5, p. no.38-40.
7.	Role of Ayurveda Centres in Promoting Backwater Tourism In Kerala.	Southern Economist ISSN 0038-4046	181	September 2007	Vol.46 No.9, p.no.21-24.
8.	Effect of Advertisement on the Sale of Marble Products –A Micro Study.	Southern Economist ISSN 0038-4046	181	December 2007	Vol.46, No.12, p.no.41-42
9.	Kudumbashree- Key to achieve Economic self-sufficiency	Southern Economist ISSN 0038-4046	181	May 2008	Vol.47, No2, p.no.23-25.
10	Leadership Styles of Managers in New Generation Banks in Kerala.	Southern Economist ISSN 0038-4046	181	October 2008	Vol.47,No.11, p.no.39-42.
11.	Fuzzy Nabla Products in connection with fuzzy box products.	The Journal of Fuzzy Mathematics- International fuzzy mathematics institute ISSN 1066-8950	49340	2008	Vol.16,No.3, p. no.-665-670.
12	Nabla products in fuzzy topological space	Journal of the Tripura Mathematical Society ISSN 0972-1320	63974	September 2008	Vol.10, p.no.91-96
13.	Knowledge Process Out Sourcing (KPO) - A Big Game.	The Management		August 2009	Vol. 8, No. 8, p.no. 125-128.



		Accountant, Student Edition RNI No. WB. ENG/2002/6667			
14	Need for Talent management in the Banking sector	Southern Economist ISSN 0038-4046	181	December 2009	Vol. 48 No.16, p.no. 5-7.
15	Some Properties of fuzzy nearly paracompact spaces	Catholicate journal of studies and research ISSN 2249-149X		January 2011	Vol.1,NO.1, p.no..36-40.
16	E-products of Banking Business in India	Journal of Cosmos ISSN 2249- 6408		July 2011	Vol.11,No.2, p.no 88-97
17	Accounting for lean success	Research Lines ISSN 0975- 8941		January 2011	Vol.4, No.1 p.no. 223-227
18	A study on the effectiveness of the implementation of kaizen in MRF Ltd	Journal of Cosmos ISSN 2249- 6408		January 2012	p.no. 63-75
19	Employees participation in the implementation of Kaizen in MRF-An application of Multiple discriminant analysis	DECEE school, Journal ISSN 0972-9003		September 2011	Vol II, Issue 1, p.no.107-116
20.	Problems of medium and small enterprises in Kerala	Mirror ISSN 2249-8117	64272	March 2012	Vol. 2. No.1 P.no. 128-133
21.	Factors affecting the involvement of child labour in India-An application of Multiple Regression Models	Managing the future ISSN 0975- 0045	63840	January 2012	Vol.2, , No.1 p.no. 04-17
22	On Fuzzy Topological I- Groups	Bulletin of Kerala Mathematical Association	64043	June 2012	Vol 9 No.1 p.no. 111-119.



		ISSN 0973 - 2721			
23	Leadership styles of women managers in Nationalised banks in kerala	Poseidon, the journal of Commerce and management ISSN 2319-6238		December 2012	Vol.No.2, P. no.146-156
24	Employer Branding of New generation Banks in Kerala- an application of dummy variable regression	Cosmos ISSN 2249-6408		January 2013	Vol.1, Issue 1. P.no. 33-40
25	Factors affecting the employer Branding- A study of the Managers of New Generation Banks in Kerala	Mirror ISSN 2249-8117	64272	March 2013	Vol.3.No.1, p.no.174-178
26	Box product of fuzzy topological groups	Journal of Science, Technology and management ISSN 0974-8334		Jan- March 2013	Vol.05, No.3&4 p. no. 57-66.
27	Solution of games using fuzzy Mathematics	Catholicate J. of studies and research ISSN 2249-149X		Dec. 2013	Vol.1, issue 1. . P.no.. 25-34.
28	Influence of occupational stress on Work Life Balance among women gynaecologists	Managing the Future ISSN 0975 0045	63840	June 2015	Vol.1, No.1, p.no.117-120.
29	Problems of Micro, Small and Medium Enterprises in Kerala – An application of Friedman test	Journal of Cosmos ISSN 2249-6408		Jan.2015	Bi Annual, P.no. 29-32.
30	Factors affecting the Work Life Balance practices of Corporates	Research forum- commerce business researcher, University of Kerala ISSN 0976-4097		July-Dec. 2015	Vol.8, Issue 3&4, p.no. 50-59.



31	Factors affecting the Work Life Harmony of women Gynaecologists in kerala	Carmel journal of Management Research ISSN 2320-1088		July 2015	Vol.3, NO.2 p.no. 78-84
32	Work to Life Imbalance of Women Gynaecologists – A study with respect to Government and Private Hospitals in Kerala.	Management Innovator, Journal of IMK, TVM ISSN 0974-6749	64086	July- Dec 2016	Vol.8, No.2, P.no. 23-36.
33	Concept of compactness by using shading families in fuzzy topological spaces	Catholicate J. of studies and research ISSN 2249-149X		Dec. 2015	Vol.4, No.1&2, P.no.33-35
34	Impact of Occupational stress on work life balance of Women Gynaecologists in Kerala	Manage, DCMS Journal of Management ISSN 2231-3060		Jan- Dec. 2015	Vol.10, No. 1-2, p.no. 45-55.
35.	Asset Quality of Indian Commercial Banks	International journal of Business and Administration Research Review ISSN 2348-0653		Jan- March 2016 IF 3.072	Vol. 2, No 1, p.no.111-119.
36.	Anger Management and Interpersonal relationship in adolescents	International Journal of Management Research ISSN 2394-4226		March 2016 IF 4.88	Vol. 4, No. 3, p.no. 35-42.
37.	Sense Vs DJIA A relative Analysis	International journalParipeX-Indian Journal of Research ISSN 2250-1991		April 2016 IF 5.215	Vol.5, No.4, p.no.. 36-38.
38.	Efficient Market Hypothesis for Bric Stock Market	International journal of Exclusive	49166	March- April 2016	Vol.6, No.2, p.no. 100-111.



		Management Research ISSN 2249-8672			
39	Stress Copying Strategies and Life Achievement among University Students	International Journal In Management and Social Science ISSN 2321-1784		April 2016 IF 5.276	Vol.4, No.4, April 2016, pp.80-87 IMFACTOR-5.276 ISSN 2321-1784
40.	Reliability of Beta of stock listed on BankeX	International Journal of Business and Administration Research Review ISSN 2348-0653		Jan- March 2016 IF 3.853	Vol 3, No. 1, p.no. 158-162
41	Migrants Duration of Residence in Kerala- a multiple regression Analysis	International Journal of Research in Economics and Social Sciences ISSN 2249-7382		May 2016 IF- 6.225	Vol.6, issue 5 P.no. 07-15
42	Causes of work-life imbalance and its impact on the behaviour of women gynaecologists	The Indian Journal of Commerce ISSN19-512X		April-June, 2016	Vol. 69, No.2, p.no. 21-27.
43	Sets for Uncertainties	Dominican Discern A Refereed Journal for Interdisciplinary Studies ISSN 2454-5708		2016	Vol.1, Issue 4, P.no. 33-45
44	Employer branding & Employee Commitment in selected Banking organizations	International Journal-Global Journal of			Vol.5, Issue 7, July 2016 pp. 86-90



		Research Analysis			IM FACTOR-3.62 ISSN 2277-8160
45	Training Adequacy and Job Satisfaction among Women Gynaecologists .	International Journal of Research in Economics and Social Sciences ISSN 2249-7382		Aug. 2016 IF 6.225	Vol.6, Issue 8, P.no.153-165
46	Impact of Stress on the Worklife Imbalance of Women Gynaecologists	Commerce and Business Researcher, Researchers' Forum, DCMUK ISSN 0976-4097		July- Dec 2016	Vol.9, Issue 3&4, p.no.81-86. ISSN 0976-4097
47	Performance of Reserve Bank of India in Financial Inclusion Plan and its implementation in the Rural Areas of India	Carmel Journal of Management Research ISSN 2320-1088		Jan.2017	Vol.5, No.1, p.no.1 - 12
48	Recovery of Non-Performing Assets in SCBs in India	Indian Journal of Applied Research ISSN -2249-555X		Jan.2017 IF 3.919	Volume .7, Issue :1, p.no.01-04
49	Travel behaviour of Medical Tourists in Kerala	International Journal of Exclusive Management Research ISSN 2249-8672	49166	March- April 2017	Vol. 7, Issue 2 p.no. 31-33
50	A Study on the Properties of Various Bicyclic Alkanes- An application to Graph Theory	Aryabhatta Journal of Mathematics & Informatics ISSN 0975-7139	8661	Jan.- June 2017 IF 5.856	Vol. 9, Issue 1, p.no. 661-666
51	Environmental Accounting in the Indian Corporate Sector	Splint International		June 2017	Vol 4, Issue 6, p.no. 50- 55



		Journal of Professionals ISSN 2349-6045			
52	Soft linear pq-functions and soft β kernel in Vector Soft Topological Spaces	Global Journal of Pure and Applied Mathematics ISSN 0973-1768	13670	2017 IF 0.12	Vol. 13, No. 9 p.no. 4437-4450
53	Spectra of some New Product of Graphs and its Applications	Global Journal of Pure and Applied Mathematics ISSN 0973-1768	13670	2017 IF 0.12	Vol. 13, No. 9 p.no. 4493-4504
54	The Spectrum of Two New Corona of Graphs and its Applications	International Journal of Mathematics And Its Applications ISSN 2347-1557	62807	2017 IF 0.564	Vol.5, No4-C, p.no. 395-406
55	Linear Ideals and Linear Grills in Topological Vector Spaces	International Journal of Mathematics Trends and Technology ISSN 2231-5373	48198	Aug. 2017 IF 2.53	Vol. 48, No.4, p.no. 245-249.
56	Factors affecting the Financial Literacy of the Bank customers	Splint international Journal of Professionals ISSN 2349-6045		July- Sept. 2017	Vol.4, issue 7, p.no.15-23
57.	A Study on the Performance of Reserve Bank of India in Financial Inclusion	Global Journal For Research Analysis ISSN 2277-8160		Sept. 2017 IF 4.547	Vol6, Issue 9 p.no. 25-28.



58	Financial Inclusion for Women's Economic Empowerment In India	International Research Journal of Human resources & Social Sciences ISSN 2394-4218		Oct. 2017 IF 5.414	Vol.4, issue 10, p.no.56-68
59	Working Capital Management towards the Profitability of Emerging Private Sector Banks	International Journal of Scientific Research ISSN 2277-8179	49217	Nov.2017 IF 4.176	Vol6, Issue 2, P.no. 45-47
60	Private equity fund for Indian infrastructure sector	International Journal of Research in Economics and Social Sciences ISSN 2249-7382		Nov.2017 IF 6.939	Vol.7, Issue 11 P.No.144-150
61	Financial Innovation and sustainability of State Bank of India- An application of multiple discriminant analysis	International Research Journal of Management & Commerce ISSN 2348-9766		Nov.2017 IF 5.564	Vol.4, Issue 11 P.No.539-548
62	Green Bonds: A Sustainable Investment Opportunities	International Journal of Scientific Research ISSN 2277-8179		Dec. 2017 IF 4.176	Vol 6, Issue 12, p.no. 60-63.
63	Finance Teaching in Global Recessionary Conditions	International Journal of Scientific Research ISSN 2277-8179		Dec. 2017 IF 4.176	Vol 6, Issue 12, p. no. 24-26.
64	Vertex Distance Complement Spectra of Regular Graphs and its Line Graphs	International Journal of Applied Mathematical Analysis and Applications ISSN 2347-1557	62807	July- Dec. 2017	Vol. 12, No.2, P. No.221-231



65	Vertex Distance Complement Spectra of Some Graphs	Annals of Pure and Applied Mathematics ISSN: 2279-087X	48890	2018 IF 2.117	Vo. 16, No.1, P. No. 69-80
66	Second Stage Spectrum of Some Non- regular Graphs	Far East Journal of Mathematical Sciences ISSN: 0972-0871	29237	2019 IF 1.34	Vol.114, No.1 P.No.39-54
67	Binary Linear Topological Spaces	International Journal of Mathematics And Its Applications ISSN -2347-1557	62807	2018	Vol. 6(2-A) p.no.173-179
68	Binary Cech Closure Spaces	International Journal of Applied Engineering Research ISSN-0973-4562	64529	2018	Vol.13, No.18 p.no. 13589-13595
69.	Several Separation axioms in Binary Cech Closure Spaces	Journal of Global Research in Mathematical Archieves ISSN-2320-5822	64172	Oct. 2018	Vol.5, No.10, P.No. 05-14
70	Morphism, Continuity& Linearity in Binary Cech Closure Spaces	International Journal of Computer and Mathematical Sciences ISSN-0976-5727	44720	Jan.2019 IF 4.655	Vol.10(1), p.no.177-183



71	Linear Cech Closure Spaces	Journal of Linear and Topological Algebra ISSN -2252-0201	63853	2018	Vol.7, No.04, P.No. 261-268
72	The spectrum of duplication corresponding corona of graphs	Bulletin of Kerala Mathematics Association ISSN: 0973-2721	64043	Dec. 2018	Vol.15(2), P.No. 161-168.
73	On the normalized Laplacian spectrum of some graphs	Kragujevac Journal of Mathematics (to appear) ISSN: 2406-3045	6700	2020 IF 0.31	Vol.44 (3) P.No. 431-442.
74	Finite capacity queue with postponed customers	International journal of Computer and Mathematical Sciences ISSN- 0976-5727	44720	Nov. 2018 IF 4.655	Vol. 9(11), P. No. 1671-1680
75	Queue with postponed customers	International journal of Applied engineering research ISSN-0973-4562	64529	2018	Vol. 13, No.18, P. No- 13841-13848,
76	Binary Cech Closure Spaces using binary ideals and binary grills	Journal of Advanced Studies in Topology ISSN: 2090-8288		2019	Vol.10, No.1, P.No. 49-57



77	Some properties of Soft Inverse Semigroups	International journal of Computer and Mathematical Sciences ISSN- 0976-5727	44720	April 2019 IF 4.655	Vol 10(4), P.No.915-922
78	Generalized Soft groups	International journal of Computer and Mathematical Sciences ISSN- 0976-5727	44720	June 2019 IF 4.655	Vol 10(6), P.No. 1302-1313
79	Soft Valuation on a Generalized Soft Lattice	Journal of Mathematics and Computer Sciences ISSN-1927-5307		2020	Vol.10,No.2, p.no. 339-358
80	MAP/M/1 queue with M-policy of transfer of customers from pool to buffer	Malaya Journal of Matematik ISSN 2319-3786		2020	Vol.8, No.2, P.No. 588-592
81	On the Spectra of a new duplication based corona of graphs	International Journal of Notes on Number Theory and Discrete Mathematics ISSN 1310-5132		2021	Vol.27,No.1 P.No.208-220
82	μ - Graph of a finite graph	International Journal of Mathematics Trends and Technology ISSN 2231-5373		January 2021	Vol.67,issue 1p. no.129-135.



83	Matrix representation of operations of soft partial orderings on a generalized soft poset	International journal of Mathematical and Computational Science ISSN 1927-5307		2021	Vol.11(2021), No.5,5106-5117
84	Topological indices and Laplacian spectrum of Mobius function graph of Finite Cyclic Groups	European Chemical Bulletin ISSN 2063-5346		2023	Vol. 12(10) pp.4027-4039
85	Extended Coprime Graph of Finite group	Reflection, SDC Journal		Sept 2023	Vol 1(1) 88-94
86	Chromatic M- Polynomial of Mobius Function graphs of Product Groups	Indian Journal of Science and Technology ISSN 0974-5645		2024	Vol.17(41) 4332-4337
87	On the distance based indices of Mobius function graph of finite groups	Journal of Hyperstructures ISSN 2251-8436		June 2025	

PUBLICATIONS IN CONFERENCE/SEMINAR PROCEEDINGS

Sl.No	Title of the paper	Name of the Conference / Seminar	Year and page Number
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1.	Some separation properties of fuzzy box products	Proceedings on the KMA National Seminar on Graph theory and Fuzzy Mathematics	2003 P No.111-115
2	Fuzzy Uniform f-box products	Proceedings of the annual conference of Kerala Mathematical Association and National Seminar on Fuzzy Mathematics and Applications	2004, P.no.199-204
3	Problems of women Entrepreneurs in India	Proceedings of the UGC sponsored National seminar on Emerging Entrepreneurial Strategies for Self Employment and Skill Development	December 2009 p.no. 22-28
4.	Some properties of fuzzy topological l-groups	Proceedings of the National seminar conducted by Department of Mathematics together with KMA	8th to 9th Dec, 2011 ISBN NO. 978-81-925047-0-4
5.	Solutions to problems in Industry by using mathematical models	Proceedings of the UGC sponsored National seminar	March 23-24, 2012
6.	On nearly compact, nearly para compact and almost para compact fuzzy topological space	Proceedings of the	31-01-2011 to 02-02-2011



		International Conference of the Ministry of statistics and programme implementation , BMC&KMA	
7	Box product of fuzzy topological groups	Proceedings of the international conference on Mathematical modeling in computer, management and medical science conducted by MACFAST Sponsored by DST. AICTE, CSIR & ICSSR	June 13-15, 2013
8	Asset quality of Indian commercial Banks	Proceedings of the UGC sponsored National Seminar on Applications of Statistical techniques in Commerce and management research held at K.G. College pampady	10 th to 11 th January 2011
9	Worklife Balance of Lady doctors in Kerala- with special reference to Gynaecologists	Proceedings of the international conference on Women Privacy, Profession and position held at Malabar Christian College, Kozhikode in collaboration with Kerala Women's Commission organized by AKPCTA	4 th January 2018 ISBN : 978-81-927201-6-6

BOOK/ CHAPTER OF THE BOOK PUBLISHED

Sl. No.	Name of the book	Publisher	ISBN NO.	Year	Total pages
1	Ramanujan 125	Dept. of Maths	978-81-925047-1-1)	2012	70



2	Tourism Management Strategies	Abhijeet Publishers, New Delhi	978-93-5074-223-5	2016	280
3	Quality of Work Life in New Generation Banks	Abhijeet Publishers New Delhi	978-93-5074-240-2	2016	162
4	Mutual funds and Investor Behaviour	Abhijeet Publishers New Delhi	978-93-5074-242-6	2016	182
5	Backwater Tourism	Abhijeet Publishers New Delhi	978-93-5074-259-4	2016	189
6	Social Security and Unorganised Labour in India	Abhijeet Publishers New Delhi	978-93-5074-282-2	2017	269
7	Job Satisfaction and Organisational Commitment	Abhijeet Publishers New Delhi	978-93-5074-281-5	2017	255
8	Fundamentals of Business Mathematics	Himalaya publishers Mumbai	978-93-5273-437-5	2017	200
9	Fundamentals of Business Statistics	Himalaya publishers Mumbai	978-93-5273-438-2	2017	288
10	Business Management	Himalaya publishers Mumbai	978-93-5273-664-5	2018	198
11	Mathematics for Management	Himalaya publishers Mumbai	978-93-5273-737-6	2018	156
12	Marketing management	Himalaya publishers Mumbai	978-93-5299-135-8	2018	196
13	Human Resource Management	Himalaya publishers Mumbai	978-93-5299-139-6	2018	220
14	Research Methodology	Himalaya publishers Mumbai	978-93-5299-137-2	2018	168



15	Quantitative Techniques for Business-1	Himalaya publishers Mumbai	978-93-5299-136-5	2018	274
16	Statistics for Management	Himalaya Publications Mumbai	978-93-5273-669-0	2018	202
17	Total Quality Management	Himalaya Publications Mumbai	978-81-936657-0-1	2018	211
18	Entrepreneurship Development and project management	Himalaya Publications Mumbai	978-93-5299-520-2	2019	210
19	Quantitative techniques for Business-II	Himalaya Publications Mumbai	978-93-5299-507-3	2019	180
20	Work-family Life Conflict of Women Gynaecologists	Abhijeet Publications New delhi	978-93-88865-00-5	2019	248
21	Category Theory Applied in different Uniform Spaces	Akinik Publications New Delhi	978-93-5335-370-4	2019	22
22	Box Products, its generalizations and Applications in Uniform and Paracompact Spaces	Akinik Publications New Delhi	978-93-5335-740-5	2019	34
23	Environment Management and Human rights (2 nd author)	Himalaya Publications Mumbai	978-93-5367-455-7	2019	318
24	Financial Management(3 rd author)	Himalaya Publications Mumbai	978-93-5367-457-1	2019	282
25	Cost Accounting I -1(3 rd author)	Himalaya Publications Mumbai	978-93-5367-456-4	2019	284
26	Advertisement and Sales	Himalaya Publications	978-93-5367-862-3	2019	220



	Management (1st author)	Mumbai			
27	Cost Accounting II (4 th author)	Himalaya Publications Mumbai	978-93-5367- 904-0	2019	310
28	Management Accounting(4 th author)	Himalaya Publications Mumbai	978-93-5367- 861-6	2019	236
29	Auditing and Insurance(3 rd author)	Himalaya Publications Mumbai	978-93-5367- 904-0	2019	252
30	Study Related to Mathematics and Industry	Akinik Publications New Delhi	978-93-5335- 988-1	2020	31
31	Quantitative techniques in Management	Akinik Publications New Delhi	978-93-90070- 82-4	2020	35
32	Study on generalized Soft Lattice and Soft Valuation- Book chapter 6	Current Topics in Mathematics and Computer Science, Vol.5	978-93-91473- 37-2	2021	73-88
33	Complete Generalized Soft Lattice	Mathematics and Computer Science, Wiley Publishers		2023	251-270
34	Spectrum and Energy of the Mobius Function Graph of Finite Cyclic Groups	Data Science and Security, (ICDSCS 2023) Lecturer Notes in Networks and Systems, Springer Publications		2024	Vol. 922 P165-176

WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
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Co-Ordinator	International seminar on “Algebra and Topology” conducted by Department of Mathematics, Catholicate College, Pathnamthitta in association with Kerala Mathematical Association on 29- 30 Nov 2007.
Co-Ordinator	National seminar on” Graph theory and Fuzzy mathematics” held at catholicate college, Pathanamthitta on 28-30 Aug. 2003 in association with Kerala Mathematical Association.
Co-Ordinator	Regional seminar on” Fuzzy mathematics and its application on computer science” on 9 th Nov.2010,conducted by Dept. of Maths, Catholicate College, Pathanamthitta.



Co-Ordinator	National seminar on "Analysis and its Applications" held at catholicate college, Pathanamthitta on 8 th and 9 th December 2011 in association with Kerala Mathematical Association.
Co-Ordinator	International seminar on "Application of higher Mathematics in Biology and Management" held at catholicate college, Pathanamthitta on 13 th June 2013 in association with MACFAST, Thiruvalla and Kerala Mathematical Association.
Co-Ordinator	Regional seminar on "Recent advances in Mathematics" held at Dept. of Mathematics, Catholicate College, Pathanamthitta on 2 nd March 2018 in association with KMA and with the co-sponsorship of M.G University.
Co-ordinator	Intellectual Property Awareness Program by National Intellectual Property Awareness Mission, Intellectual Property Office, Government of India on 26-07-2023.
FDP/ORIENTATION/REFRESHERCOURSES ATTENDED	
Name	Details
Orientation course	An Orientation course in multidiscipline conducted by Academic Staff College, University of Kerala, Trivandrum sponsored by U.G.C from 04-05-1999 to 31-05-1999.
Refresher course	A Refresher course in Mathematics conducted by Academic Staff College, University of Kerala sponsored by U.G.C from 8-11-2001 to 29-11-2001.
Refresher course	A Refresher Course in Mathematics conducted by Academic Staff College, University of Kerala sponsored by U.G.C from 1-7-2003 to 22-7-2003.
Refresher course	A Refresher Course in Mathematics conducted by Academic Staff College, University of Kerala sponsored by U.G.C. from 09-08-2005 to 30-08-2005.
Educational Leadership Programme	Two days educational leadership programme conducted by the Institute of Management in Government, Trivandrum in collaboration with All India Association for Christian Higher Education from 1-10- 1999 to 2-10-1999 at Catholicate college conducted by Kerala Mathematical Association.
Summer School	A summer school on Descriptive Set theory and Applications held at the Indian Statistical Institute, Calcutta during 29-5-1995 to 17-6-1995.



Mathematical Modeling	A regional seminar on Mathematical Modeling on 17-9-1999 held at Catholicate College conducted by Kerala Mathematical Association.
Topology and Functional Analysis	A seminar on Topology and Functional Analysis organized by OSADMS of Cochin University of Science and Technology and Catholicate College, Pathanamthitta held at Department of Mathematics on 11-2-1999.
Seminar	Attended a seminar on Topology for Computer Science and Option pricing organized by OSADMS of CUSAT and Catholicate College held on 3-8-2002.
Educational Seminar	One day educational Seminar of the Academic Staff of M.O.C. Colleges held at St. Cyril's College Adoor on 23 rd November 2007
Educational Seminar	One day educational Seminar of the Academic Staff of M.O.C. Colleges held at Catholicate College, Pathanamthitta on 6 th December 2008.
Five day work shop	Participated in a five day work shop on restructuring of under graduate education in Mathematics on 14 th , 15 th , 20 th , 21 st and 22 nd May 2009 conducted by M. University Kottayam
Regional seminar	A regional seminar on Law of Large deviation and Machine learning conducted by U.C. College, Aluva and KMA on 20 th June 2009.
Two day workshop	Participated in two day workshop on Latex and Python from 14-12- 2009 to 15-12- 2009 conducted by Department of Mathematics, Govt College, Chittur sponsored by DST- FIST.
Educational Conference	Educational conference of M.O.C. Colleges held at K.G.College Pampady on 16 th January 2010.
Faculty Development Programme	Faculty development programme on Teaching Operations Research and its Applications from 26-05- 2010 to 28-05-2010 at Indian Institute of Management, Kozhikode.
Two day workshop	Two day workshop on Research Methodology on 10 th and 11 th March 2011 organized by the promotion council of MOC Colleges held at K.G. College Pampady.
Two day curriculum workshop	Two day curriculum workshop of UG Mathematics Programme conducted by M.G.university held at C.M.S. College from 28 th to 29 th July 2011



12 day workshop	12 day workshop on Research Methodology and Data analysis conducted by Department of Commerce, K.G. College, Pampady in the year 2009-10 & 2010-11.
Short term course for Research Guides in Science	Short term course for Research Guides in Science organized by UGC- Academic Staff College, Kariyavattom, TVM from 17-10-2011 to 21-10-2011.
Three day curriculum workshop	A three day curriculum workshop of PG Mathematics Programme conducted by M.G. University held at C.M.S. College from 15 th to 17 th December 2011
Refresher course	Refresher course in Research Methodology conducted by UGC-ASC Kannur University from 04-01-2012 to 24-01-2012
Faculty Development Programme	Faculty Development Programme on Research Methodology (12 days workshop on Data Analysis in Research) organized by Research and P.G Department of Commerce, K.G. College, Pampady during the year 2011- 12
Faculty Development Programme	Faculty Development Programme on Multivariate Data Analysis organized by Research and P.G Department of Commerce, K.G. College, Pampady on 23 rd to 25 th January 2012.
Orientation Program	Two day Orientation Programme organized by Department of Student Services, M.G. University in association with Catholicate College from 19- 09-2012 to 20- 09-2012.
Faculty Development Programme	Faculty Development Programme on Research Methods and Data Analysis using SPSS organized by Musaliar Institute of Management, Pathanamthitta on 16 th and 17 th August 2012
Two-day seminar	Two-day seminar on E- Governance: Prospects in Indian Administration, organized by the Institute of Parliamentary Affairs, Government of Kerala, Thiruvananthapuram in association with P.G. Department of History, Catholicate College, PTA held on 25-26 February 2013
Faculty Development Programme	Faculty Development Programme on Research Methodology & Multivariate Panel Data Analysis and Modelling organized by Research and P.G Department of Commerce, K.G. College, Pampady on 16 th & 17 th May 2013.
Educational conference	One day educational conference of Academic staff members of the M.O.C. Colleges held at K.G.College Pampady on 17 th January 2015



Academic seminar	Academic seminar on “Revivalism and Higher Education “ organized by AKPCTA on 20 th March 2015 at Town Hall, Palakkad.
Symposium	Symposium on Higher education held at St.Cyril’s College, Adoor on 17-10-2015 by Kerala Higher Education Commission and AKPCTA
Educational conference	One day educational conference of Academic staff members of the M.O.C. Colleges held at Baseliious College, kottayam on 16 th January 2016
One day seminar	One day seminar on Quality Education for Academic Staff Members of Colleges conducted by Internal Quality Assurance Cell (IQAC),Catholicate College, Pathanamthitta on 25 th February 2016
One day curriculum workshop	A one day curriculum workshop of UG Mathematics Programme conducted by M.G.university held at B.C.M.College, Kottayam on 12-04- 2017
Educational conference	One day educational conference of Academic staff members of the M.O.C. Colleges held at K.G.College Pampady on 10 th February 2018
Three day curriculum workshop	A three day curriculam workshop of PG Mathematics Programme conducted by M.G.university held at C.M.S. College from 16 th to 18 th January 2019
Orientation Programme	One day Orientation Programme and a session on ICT Enabled Teaching for the academic Staff of M.O.C. Colleges held at catholicate College, Pathanamthitta on 02-03-2019
Academic conference	One day Academic conference on “Better Students: Role of Teachers” for Academic staff members of the M.O.C. Colleges held at Baseliious College, kottayam on 30 th November 2019
Curriculum workshop	Curriculum workshop of PG Mathematics Programme conducted by Kerala university held at Department of Mathematics, Kariyavattom on 13 th January 2020
Academic conference	One day Academic conference on “NEP 2020 Implementation: Approaches, Challenges & Opportunities” for Academic staff members of the M.O.C. Colleges held at Catholicate College, Pathanamthitta on 4 th March , 2023.
Academic conference	One day Academic conference for Academic staff members of the M.O.C. Colleges held at Baseliious College, kottayam on on 27-01-2024



National Seminars /National workshop/Regional seminars / Workshops Attended				
Sl.No	Topic	Institution	Sponsoring Agency	Date
1.	Fuzzy Mathematics and Applications	Department of Mathematics, Payyannur College	CSIR &Kerala Mathematical Association	8 to 10 January 2004
2.	Graph Theory and Fuzzy Mathematics.	Department of Mathematics, Catholicate College Pathanamthitta.	Kerala Mathematical Association and Catholicate College National Seminar	28-30 august 2003
3	Discrete Mathematics	Department of Mathematics, Marthoma College , Thiruvalla	UGC &Kerala Mathematical Association	23-25 ,2009
4	Graph Theory , Operations Research and Applications	Department of Mathematics ,St. Gregorios College, Kottarakara	UGC	18-19 September 2008
5.	Women and gender issues	Women studies centre Catholicate college	UGC	15 TH December, 2010
6.	Applications of Statistical techniques in research	Department of Commerce, K.G.College, Pampady	UGC	10 th &11 th January 2011.
7.	Discrete Mathematics & Computational Statistics	Department of Mathematics, B.K.College, Amalagiri, Kottayam	UGC	23-24 June 2011
8.	Data Analysis in Social Science Research	Department of Commerce, Catholicate College	UGC	1 st & 2 nd july 2011.
9.	Recent Trends in Discrete Mathematics and its Applications	Department of Mathematics, St. Thomas College, Kozhencherry	UGC	August 11-13,2011.
10	Analysis and its applications	P.G & Research Department of Mathematics , Catholicate College	UGC	December 8 th to 9 th 2011
11	Emerging trends in Consumerism	Department of commerce and Management studies,	UGC	19 th and 20 th December 2011



		Sree Neelakanta Govt. Sanskrit college, pattambi		
12.	History and Studies in Popular Culture	P.G. Department of History, Catholicate College	UGC	14-03-2012 to 16-03-2012
13	Modern Analysis and its Applications	P.G.Department of Mathematics N.S.S.	UGC	23-03-2012 to 26-03-2012
14.	Higher Education in the 21 st Century: Engendering Creative Approaches for Quality Enhancement	Kerala Higher Education Council, TVM & IQAC of Catholicate College, PTA	UGC	07-12-2012 to 8-12-2012
15	Application of Mathematics in Computer Science	Department of Mathematics, Basilius College	Regional seminar by KMA & MACFAST	02-08-2013
16	Differential Geometry	P.G Dept. of Mathematics, D.B College, Thalayolaparambu	UGC state level seminar	27-09-2013
17	Election Laws and Reforms	P.G. Department Of History, Catholicate College in association with Institute of Parliamentary Affairs, Govt. of Kerala	The election commission of india	20-01-2014
18	Hetroglossia in Postmodern Malayalam Poetry	P.G & Research Dept. of Malayalam	UGC	19, 20 and 21 st Feb. 2014.
19	Problems and Challenges of Micro, Small & Medium Enterprises	Dept. of Management Studies, Punjabi University, Patiala	UGC	27-03-2014 to 28-03-2014.
20	Recent Trends in Mathematics	P.G. Department of Mathematics N.S.S. Hindu College, Changanacherry	UGC	23-10 -2014 & 24-10- 2014.
21	Recent Advances in Statistical Theory and Computational Techniques	P.G & Research Department of Mathematics & Statistics Catholicate College, PTA	UGC	06-02-2015 & 07-02-2015
22	Research Methodology in Social Sciences	P.G & Research Department of	UGC	25 th to 27 th February 2015



		History Catholicate College, PTA		
23	Changing Global Strategies For Business Sustainability" on Structural Equation Modeling and Path analysis	P.G Department of Commerce and Management	National Workshop at Baselius College, Kottayam co-sponsored by M.G. University	18 th to 19 th Nov.2016
23	Calculus of Variations and Optimal Control Theory	Department of Mathematics, St. Thomas College, Kozhencherry	St. Thomas College, Kozhencherry	07-12-2016
24	Research Methodology in Social Science	School of Distance Education, University of Kerala	5 day National Workshop by School of Distance Education, University of Kerala	January 17 to 21 st 2017
25	Structural Equation Modelling and Path Analysis	P.G Department of Commerce and Management	National Workshop at Baselius College, Kottayam co-sponsored by M.G. University	29 th to 30 th May 2017
26	National Seminar on Mathematics for Computer Science & Annual Conference of KMA	Department of Basic Sciences, Amal Jyothi College of Engineering in association with KMA	Amal Jyothi College of Engineering in association with KMA	9 th to 11 th November 2017
27	Recent advances in mathematics	P.G & Research Department of Mathematics , Catholicate College	Regional seminar in association with KMA & co-sponsored by M.G. University	2 nd March 2018
28	Programming in C	P.G & Research Department of Mathematics , Catholicate College	P.G & Research Department of Mathematics , Catholicate College	7 th march 2018
29	Advanced Linear Algebra and Multivariate Calculus	Marthoma college, thiruvalla	Teachers Enrichment workshop sponsored by	2 nd to 7 th April, 2018
30	Research Methodology	P.G & Research Department of Mathematics ,	M.O.C. management	11 th April 2018



		Catholicate College		
31	Math Computing Using Sage	University College, Thiruvananthapuram	Directorate of Collegiate Education, Government of Kerala	22 nd to 23 rd November 2018.
32	Scientific Research Process	P.G& Research Department of Commerce and tourism	Co-sponsored by M.G University	20 th August 2019
33	Graph theory and its applications	Department of Mathematics, B.J.M. Govt. College, Chavara, kollam	Directorate of Collegiate Education, Government of Kerala	21 st to 22 nd January 2020.

INTERNATIONAL SEMINARS/ WORKSHOP ATTENDED

Sl.No	Topic	Institution	Sponsoring Agency	Date
1.	"Aryabhateeyam"	Techno Park, Trivandrum	General education Department Govt. of Kerala, SCERT	12-01-2000 to 16-01-2000
2.	Algebra and topology	Department of mathematics, Catholicate college	KMA &- College	29-30 Nov, 2007.
3.	New trends in applications of Mathematics	Bharat mata college, Thrikkakara	Ministry of statistics and programme implementation	31-01-2011 to 02-02-2011
4.	Innovative educational practices for solving real life problems in Industry	Skyline University, Dubai	Skyline University, University of Sharjah(U.A.E) in association with CMAI	Feb 5 to 7, 2013
5	Application of higher mathematics in Biology and Management	Department of Mathematics, Catholicate college	KMA & College	June 13, 2013



6.	Mathematical Modelling in Computer, Management and Medical Science	Dept. of Computer applications, MACFAST, Thiruvalla & Pushpagiri Institute of Medical Sciences & Research in association with Computer Society of India & KMA	DST, AICTE, CSIR & ICSSR	June 14-15 2013.
7.	Globalization of Business Practices: Issues and Challenges	Help University , Malaysia	Help University, University of Malaysia in association with CMAI	January 2
8	Coding theory and Fractals with Applications to Computer Science and Engineering	Dept. of Computer applications, MACFAST, Thiruvalla in association with UNAI, CSI & KMA	CSI & KMA	16 th December 2016
9	Factors Affecting the Customer Loyalty in Banks	P.G Department of Commerce, Marwari College in association with Society of Technical And Management Professionals	Marwari College, Bhagalpur & STMP	May 25-26, 2016
9	Sustainable Development: Weaving Innovations In Business and Commerce	Lyceum of the Philippines University, Manila	CMAI in academic partnership with Lyceum of Philippines University	February 2 to 4 , 2017
10	Mathematical Modelling and Computational Methods in Science and Engineering	Department of Mathematics, Alagappa University	Jointly organized by Ramanujan Centre for Higher Mathematics and Department of Mathematics, Alagappa University	February 20-22, 2017



11	Science, Engineering, Technology & Management	Department of Mathematics, K.E. College, Mannanam	K.E College, Mannanam	March 08-09, 2017
12	Women, Privacy, Profession and Position	Malabar Christian College, Kozhikode	AKPCTA in association with Kerala Women's Commission	January 4, 2018
13	Building Sustainable Business Excellence: Reimagining the future	Pegasus International College, Vietnam	CMAI in academic partnership with Pegasus international College	25 th to 27 th January

MEMBERSHIP IN PROFESSIONAL BODIES

- **Life Member of Kerala Mathematical Association from 30th June 2006 onwards.**
- **Life member of Ramanujan Mathematical society from 04-08-2019.**

ANY OTHER RELEVANT INFORMATION



- Subject expert for HAS Mathematics in Education held at KPSC office Pathanamthitta on 13-02-2014.
- Subject Expert in Mathematics nominated by M.G. University in the Screening Committee for the Promotion of teachers of S.V.R. N.S.S College, Vazhoor on 06-11-2017.
- Subject Expert in Mathematics nominated by M.G. University in the Screening Committee for the Promotion of teachers of Sacred Heart College, Thevara on 10-01-2018.
- Subject Expert for conducting pre submission seminar of Ph.D thesis at Marthoma College, Thiruvalla On 25th September 2017 & 18th May 2018.
- Subject expert for the selection of Guest Lecturer in Mathematics at Christian College, Chenganoor on 30-05-2019
- Chaired the session on Mathematical and Statistical Sciences in the 29th Kerala Science Congress held at Marthoma College, Thiruvalla during 28-30, January 2017.
- Chaired a session on the International Conference on Science, Engineering, Technology and Management (ICSETM-2017) held at K.E College, Mannanam on 8th to 9th March 2017.
- Chaired a session on the National Seminar for Computer Sciences & Annual Conference held at Amal Jyothi College of Engineering from 9th to 11th November 2017.
- An interdisciplinary project "Application of Mathematical Graph Theory to Explain the Physical Properties of Various Bicyclic Alkanes" has been done with the dept. of Maths and Dept. of Chemistry under the leadership of Dr. Sussha D. & Dr. Sindhu Mathai on July 2015.

- Delivered a talk on 'Applications of Operations Research' conducted by BAM College, Thuruthikad on 6th July 2010.
- Delivered a talk on "Linear programming" for plus one and plus two students of Marthoma School, Pathanamthitta on 14-12-2010.
- Delivered a lecture on Topology at St. Thomas College, Kozhencherry on 19-07-2011.
- Delivered a lecture on Application of Mathematics at Assumption College, Chanaganacherry on 11th July 2012.
- Delivered one session of UGC sponsored State level seminar on Differential Geometry held at D.B College, Thalayoalparambu on 27-09-2013.
- Participated as a Resource Person in the UGC sponsored National Seminar held at School of Management Studies, Punjabi University held on 27th to 28th March 2014.
- Delivered a lecture on Application of Topology at D.B. College, Parumala on 29-06-2015.
- Resource Person for Prof. N. Venugoplan Nair Memorial Lecture Series organized by D. B. College, Parumala on 29th June 2015.
- As a Subject expert in the selection committee for recruitment of teaching staff in Department of Mathematics, Assumption College, Chanaganacherry held on 10th March 2012.
- Subject Expert for Higher Secondary Teachers in Mathematics Held at Amrita School, Pathanamthitta on 19-5-2013

Name and Signature of Teacher

