

**Name of the Department: MATHEMATICS**  
**ACTIVITIES OF THE DEPARTMENT 2019-2020**  
**(Association meetings, Guest Lectures, Celebration of Important days)**

<b>S. No.</b>	<b>Date</b>	<b>Particulars</b>	<b>Resource Person</b>	<b>Topic</b>
1	18.07.2019	Guest Lecture	Dr. Kala, Professor and Head, Department of Mathematics, Manonmaniyam Sundaranar University, Thirunelveli	Various topics of Research
2	18. 07.2019	Association Meeting	Dr. Gnanambal Ilango, Govt. arts College, Coimbatore	Applications of Mathematics
3	28. 08. 2019	Guest Lecture	Dr. A. Karthika, Associate Professor, Sri Krishna College of Engineering and Technology, Coimbatore- 08	Availing Financial Assistance for Higher Education in Mathematics
4	10.12. 2019	RAMANUJAN DAY Inter Departmental Competitions	Other Department Students	Pencil Sketching and Pot painting
5	11.12. 2019	RAMANUJAN DAY Inter Departmental Competitions	Other Department Students	Power point presentations
6	20.12.2019	RAMANUJAN DAY Inter collegiate Competitions	Other college Students Chief Guest: Prof S.P.Anjali Devi(Retd). Head,Department of Applied Mathematics,Bharathiar University,Coimbatore	Quiz, Connections & Paper presentations

7	23.01.2020	RAMANUJAN DAY Inter school Competitions (DBT)	Other school Students	Quiz, Connections & Math Modeling
8	27.01.2020	Guest Lecture	Dr. Gnanambal Ilango, Govt. arts College, Coimbatore	Analysis
9	28. 01. 2020	Association Meeting	Dr. L.Lakshmana, Dean,Mathematical Sciences , PSGR Krishnammal College, Coimbatore	Future Prospects of learning Mathematics

**WORKSHOPS, SEMINARS, CONFERENCES, SYMPOSIUMS, HANDS ON TRAININGS ORGANISED BY THE DEPARTMENT**

S.No	Date	Topic	Resource Persons	Event
1	18.07.2019	-	Dr. Kala, Professor and Head, Department of Mathematics, Manonmaniyam Sundaranar University, Thirunelveli	Mentor Meeting (DBT)
2	15.06.2019	Google Docs, Online Book Publishing, KAHOOT apps	Dr.G. Satyavathy, Associate Professor of Computer Science, Sri Ramakrishna College of Arts and Science for Women, Coimbatore	Faculty Development Program for teaching staff (DBT)
4	20. 07. 2019	Google Docs, Online Book Publishing, KAHOOT apps	Dr.G. Satyavathy, Associate Professor of Computer Science, Sri Ramakrishna College of Arts and Science for Women, Coimbatore	Faculty Development Program for Non-teaching staff (DBT)
7	05.12.2019	a New Cognitive Approach to real life problems via Mathematics	<b>Dr. Sunil Jacob John</b> , Associate Professor NIT, Calicut, Kerala <b>Dr. R. Murugesan</b> , Professor, Reva University, Bangalore <b>Dr. A. Anthony Eldred</b> , Assistant Professor St. Joseph's college, Trichy <b>Dr. R. Nadarajan</b>	National Seminar (DBT)

			Associate Professor & Head PSG college of Technology, Coimbatore	
8	06.12.2019	Sci-Lab	Dr. R. Rajeswari, Associate Professor Bharathiyar University, Coimbatore	Work shop (DBT)
11	12.12.2019	Hands on Training in R- Language	Dr. V. Vijayakumar Professor Department of computer science, Sri Ramakrishna college of arts and science, Coimbatore	Work shop (DBT)
12	17.12.2019	Data Analytics	Dr. S. Lara Priyadharshini, Associate Professor, KV Institute of Management, Coimbatore	Work shop (DBT)
13	19.12.2019	Data Analytics	Dr. V. Vijayakumar Professor Department of computer science, Sri Ramakrishna college of arts and science, Coimbatore	Work shop (DBT)
15	20.12.2019	Advanced Excel	Mrs. Jansi Rani, Head & Assistant Professor, Department of IT, Nirmala college of Women, Coimbatore	Work shop (DBT)
16	07.01.2020	Effective Power point Presentation	Mrs. Sylvia, Head & Assistant Professor, Department of CS, Nirmala college of Women, Coimbatore	Work shop (DBT)
17	13.01.2020	LATEX	Dr. S. Suganya, Assistant Professor, Department of Statistics, PSG college arts and science, Coimbatore	Work shop (DBT)
18	23.01.2020	Quiz, Connections & Math Modeling	Other school Students	Inter school Competitions (DBT)
20	27.02.2020	Workshop on analysis	Mr.Gnanaprakasam Lecturer, Govt.Polytechnic,Salem	Workshop (DBT)

21	10.03.2020	-	Dr. Kala, Professor and Head, Department of Mathematics, Manonmaniyam Sundaranar University, Thirunelveli	Mentor Meeting (DBT)
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### MOU/LINKAGES WITH INDUSTRIES

S.No	Date	Department	Name of the Industry Institute	Purpose
1	04.12.2015 (period of five years)	Mathematics	YRSK Technologies (Enhancing Technical Excellence)	Training Programme
2	18.07.2018 (period of five years).	Mathematics	Udaan Technologies, Coimbatore	Training Programme

### EXPOSURE VISITS

S. No	DATE	CLASS	PLACE	No. of days	No of students	Type
1	22.08. 19 - 25. 08.19	III B. Sc Mathematics & II M. Sc Mathematics	Bangalore, Mysore	4	70	Educational Tour
2	11.01.20	II B. Sc Mathematics	ITC Limited & Kallar Mettupalayam	1	55	Industrial visit
3	24.01.20	I B. Sc Mathematics	Field Cum Eco Trip to Connor Pauster Institute	1	44	Field trip

			of India			
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**BEST PRACTICES OF THE DEPARTMENT**

SL. No.	DATE	DEPT	ACTIVITY
1			“Advanced Learning Technologies in Mathematics”

**INCUBATION CENTRE**

COURSE	DEPT	CLASS	INDUSTRY	NO. OF STUDENTS ENROLLED
-	-	-	-	-

**MAJOR/MINOR/ STUDENT PROJECTS**

S. No.	Period	Name of the Faculty	Topic	Funding Agency	Amount Sanctioned in Rs.	Sanctioned /Ongoing/ Completed

**ACTIVITIES RELATED TO FACULTY MEMBERS**

**FACULTY MEMBERS AWARDED Ph.D.,-NIL**

S. No	Name of the Staff	Date of Regn	Date of Viva-Voce	Title	Name of the Supervisor

**FACULTY WHO HAVE RECOGNITION FOR GUIDING M.Phil. & Ph. D**

S.N	Name of the Staff	Date of Recognition	Official

o	Dept			Name of the University	Communication
1		Dr.Sr. Helen. M	Ph.D- M.Phil- 02. 11. 2004	Bharathiar University	Ph.D  M.Phil 9695/10/A2/2004
2		Dr.U.Mary	Ph.D-16.11.2016 M.Phil- 02. 11. 2004	Bharathiar University	Ph.D 20497/A2/2016 M.Phil- 9695-6/A2/2004
3		Dr. K. Julia Rose Mary	Ph.D- 16.11.2016 M.Phil- 02.11.2004	Bharathiar University	Ph.D - 23106/A2/2016 M.Phil- 9695-5/A2/2004
4.		Dr.A.Sahaya Sudha	Ph.D- 12.1.2016 M.Phil- 31. 07. 2008	Bharathiar University	Ph.D- 23272/03120/A2/2016 M.Phil- 14649/A2/2008
5.		Dr.A.Francina Shalini	Ph.D-21.6.2016 M.Phil- 3.11.2015	Bharathiar University	Ph.D- 007944- 1/A2/2016 M.Phil - 21987/A2/2015
6		Dr.F.Nirmala Irudayam	Ph.D- 27.02.2016	Bharathiar	Ph.D-

			M.Phil- 03.11.2015	University	2653-2/A2/2016 M.Phil- 24802/A2/2015
7		Dr. M. Trinita Pricilla	Ph.D- 27.02.2016 M.Phil- 03.11.2015	Bharathiar University	Ph.D- 2653-1/A2/2016 M.Phil- 24804-1/A2/2015
8		Dr. K. Mohana	Ph.D- 16. 03. 2016 M.Phil- 03.11.2015	Bharathiar University	Ph.D- 4791/A2/2016 M.Phil- 24804/A2/2015
9		Dr.Sr. Stanis Arul Mary	Ph.D – 03.12.2018 M.Phil- 03.12.2018	Bharathiar University	Ph.D- 29139/A2/2018 M.Phil- 29139/A2/2018
10		Dr.Arockia Lancy	Ph.D- 26.12.2017 M.Phil- 26.12.2017	Bharathiar University	Ph.D- 27922/A2/2017 M.Phil- 27922/A2/2017

**M.Phil. PRODUCED BY THE FACULTY**

<b>S.No</b>	<b>Name of the Candidate</b>	<b>Supervisor</b>	<b>Part time/ Full time</b>	<b>Date of Completion</b>
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1	Ms.Felicia	Dr.Julia Rose Mary	FT	06.02.2020
2	Ms.Avila Princy	Dr.A.Francina Shalini	FT	06.02.2020
3	Ms.Angel Marina	Dr.Arockia Lancy	FT	06.02.2020
4	Ms.Emily Jennifer	Dr.U.Mary	FT	20.02.2020
5	Ms.Jithya	Dr.U.Mary	FT	20.02.2020
6	Ms.Sagaya Kavitha	Dr.A.Sahaya Sudha	FT	20.02.2020

#### Ph.D Produced By the Faculty

S.No	Name of the Candidate	Name of the Supervisor	Title of the Thesis	Date of Viva Voce
1	C. Dhanapakiyam	Dr. K. Indirani	Studies on $\beta g^*$ -closed sets in Topological spaces and topological ordered spaces	26. 08.2019
2	G. Vasantha kannan	Dr. K. Indirani	A study on Nano Regular Generalized star star b-closed sets in nano topological spaces	18. 10.2019
3	Anitha Cruz	Dr.F.Nirmala Irudayam	A novel approach on Neutrosophic soft cubic functions in topological settings	31.10.2019

#### REFRESHER, ORIENTATION COURSE, FDP AND TRAINING PROGRAMME ATTENDED BY THE FACULTY

S.No	Date	Name of the faculty	Title	Organized by
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1	04.12.2019- 17.12.2019	Dr.Sahaya Sudha	Refresher Course in Mathematics and Statistics	UGC Human Resource Development center Bharathiar University
2	04.12.2019- 10.12.2019	Dr.F.Nirmala Irudayam	E Content Development and MOOC course	UGC Human Resource Development Bharathiar University

**PARTICIPATION OF THE FACULTY IN SEMINARS, CONFERENCES &  
WORKSHOPS**

<b>S. No</b>	<b>Date</b>	<b>Name of the faculty</b>	<b>Title of the Seminar Conference Workshop etc</b>	<b>Organizing Committee &amp; Venue</b>
	07. 08. 2019 to 08. 08. 2019	1.Dr.A.Francina Shalini  2.Dr.F.NirmalaIrudaya m	Future Trends in Topology and its Applications	PSGR Krishnammal Collge for women,Coimbatore (UGC Sponsored National Seminar )
	10.01.2020 – 11.01.2020	1.Dr. A. Francina Shalini  2.Dr. F. Nirmala Irudayam  3.Dr. K. Mohana	Exploration Of Research innovations: Its Trends and Challenges	ICSSR–Sponsored One Day National  Level Symposium” organized by IQAC of Nirmala college for women,

**PUBLICATION BY THE FACULTY IN JOURNALS**

<b>Name of staff</b>	<b>Month and Year</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Details on the impact factor (Citation Index-Range, SNIP, SJR, Impact factor-range, h-index, No. in SCOPUS)</b>
U.Mary	Dec 2019	On molecular descriptors with python of 3D fullerene	International journal of analytical and experimental modal analysis	International (UGC – care A) Vol 11, Iss 12 ISSN No. 0886-9367 Impact Factor.6.3
U.Mary	Nov 2019	A study on the computation of Gourava indices for poly –I-lysine dendrimer and its biomedical application Pg.no.233-239	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
A.Arokia Lancy	Oct 2019	A vague set Application on the region-wise seasonal rainfall in India Pg.No. 198-211	International Journal of Analytical and Experimental Model Analysis	International (UGC – care A) Vol 11, Iss 10 ISSN No. 0886-9367 Impact Factor.6.3
A.ArokiaLancy	Dec 2019	Contra continuous function in Vague bitopological spaces Pg.No. 1405-1411	Journal of Information and Computational Science	International (UGC – care A) Vol 9, Iss 12 ISSN No. 1548-7741 Impact Factor.6.2
U.Mary	Oct 2019	Computation of Zagreb indices of Cationic dendrimer Pg.no.855-864	Journal of Information and Computational Science	International (UGC – care A) Vol 9, Iss 10 ISSN No. 1548-7741 Impact Factor.6.2
A.ArokiaLancy	Oct 2019	On johan chromatic core subgraph of splitting graph of star, star related graphs and their product graphs Pg.no. 754-757	Infokara	International (UGC – care A) Vol 8, Iss 10 ISSN No. 1021-9056 Impact Factor.5.3
A.ArokiaLancy	Oct 2019	On johan chromatic core subgraph of splitting graph of cycle related graphs and their product graphs Pg.no. 2962-2965	International Journal of Analytical and Experimental Model Analysis	International (UGC – care A) Vol 11, Iss 10 ISSN No. 0886-9367 Impact Factor.6.3
A.Francina	Oct 2019	Neutrosophic Vague binary	Neutrosophic sets	International (UGC –

Shalini		soft sets	and system	care A) Vol 29 ISSN No. 2331-6055 Impact Factor.
M.Trinita Pricilla	Oct 2019	An application of neutrosophic vague max-min composition technique Pg.no 5586-5589	International journal of engineering and advanced technology	International (UGC – care A & Scopus ) Vol 9, Iss 1 ISSN No. 2249-8958 Impact Factor.5.97
K.Mohana	Dec 2019	Correlation Measures for Pythagorean Neutrosophic Sets with T and F are neutrosophic dependent components	Neutrosophic sets and system	International (UGC – care A) Vol 30 ISSN No. 2331-6055 Impact Factor.
K.Mohana	Oct 2019	An introduction to Spherical fuzzy topological spaces	International journal of innovative Research in technology	International Vol 6, Iss 5 ISSN No. 2349-6002 Impact Factor.
K.Mohana	Oct 2019	An introduction to Neutrosophic Bipolar Vague topological spaces	Neutrosophic Sets and system	International (UGC Care A & Scopus) Vol 29 ISSN No. Impact Factor.
K.Mohana	Oct 2019	Vector Similarity Measures of Spherical fuzzy sets and their application in Multi-criteria decision making	Infokara	International (UGC Care A) Vol 8, Iss 10 National ISBN 978-93-5391-196-6. ISSN No. 1021-9056 Impact Factor.5.3
K.Mohana	Mar 2019	Some Geometric Aggregation Operators Based On Bipolar Picture Fuzzy Sets on Their Application in Multiple Attribute decision Making	International Journal of Research and Analytical Reviews	International Vol 6, Iss 1 . ISSN No. 2349-5138 Impact Factor.5.75
K.Mohana	Nov 2019	Bipolar picture fuzzy BG-subalgebra Pg.no.111-117	Nirmala Annual Research Congress	National ISBN 978-93-5391-196-6
K.Mohana	Nov 2019	Quadripartioinedintervalued neutrosophic rough sets Pg.no.134-141	Nirmala Annual Research Congress	National ISBN 978-93-5391-196-6
A.FrancinaS halini	Nov 2019	Trigonometric normalized hamming similarity measure between vague binary soft sets Pg.no.151-156	Nirmala Annual Research Congress	National ISBN 978-93-5391-196-6
A.ArokiaLan	Nov 2019	Vague soft completely	Nirmala Annual	National

cy		continuous functions in vague soft topological spaces Pg.no.164-168	Research Congress	ISBN 978-93-5391-196-6
K.Julia Rose Mary	Nov 2019	Analysis of M\M\I fluid model queuing with working vacations Pg.no.130-133	Nirmala Annual Research Congress	National ISBN 978-93-5391-196-6
U.Mary	Nov 2019	Color energy of butterfly graph and paw graph Pg.no.169-171	Nirmala Annual Research Congress	National ISBN 978-93-5391-196-6
U.Mary	Nov 2019	Some degree based topological indices of poly – I- Iysine(pll) dendrimer Pg.no.172-177	Nirmala Annual Research Congress	National ISBN 978-93-5391-196-6
U.Mary	Nov 2019	Neighbourhood topological indices of dendrimernanostar Pg.no.178-182	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
K.Mohana	Nov 2019	Bipolar Pythagorean fuzzy frank aggregation operation Pg.no.183-188	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
A.ArokiaLancy	Nov 2019	On $\tau_1\tau_2$ - semi connectedness and $\tau_1\tau_2$ semi compactness in vague bitopological spaces Pg.no.197-200	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
M.Trinita Pricilla	Nov 2019	Vague almost pi-generalised semi closed mappings in vague topological spaces Pg.no.201-204	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
K.Mohana	Nov 2019	Some similarity measures of spherical sets based on Euclidean distance and their application in medical diagnosis Pg.no.225-232	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
M.Trinita Pricilla	Nov 2019	Neutrosophicnanogb-continuous function in neutrosophicnano topological spaces Pg.no.205-210	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
U.Mary	Nov 2019	On hardy colouring of sunlet graph and helm graph Pg.no.240-243	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
U.Mary	Nov 2019	Johan colouring on Cartesian product of splitting graphs Pg.no.244-247	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6
A.ArokiaLancy	Nov 2019	Johan colouring on Cartesian product of splitting graphs Pg.no.244-247	Nirmala Annual Research Congress	ISBN 978-93-5391-196-6

A.Francina Shalini	November 2019	Correlation Coefficient using Pythagorean Picture Fuzzy sets. Pg.No.:105-111	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
A.Sahaya Sudha	November 2019	A comparative Study on Symmetric Trapezoidal Fuzzy Numbers. Pg.No.:118-123	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
K . Mohana	November 2019	An Application of Single-valued Neutrosophic Under sets in Medical Diagnosis. Pg.No.:124-129	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
F. Nirmala Irudayam	November 2019	Intuitionistic Fuzzy orbit* Continuous mapping. Pg.No.:218-224	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
F. Nirmala Irudayam	November 2019	On Neutrosophic $b+$ open sets and $b+$ closed sets in Simple extended Neutrosophic Topology. Pg.No.:211-217	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
F. Nirmala Irudayam	November 2019	On Generalized $b+$ closed sets in Vague Topological Space. Pg.No.:142-146	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
A.Francina Shalini	November 2019	Neutrosophic Vague Generalized $\beta$ Closed sets in Neutrosophic Vague Topological Spaces. Pg.No.:157-164	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
F. Nirmala Irudayam	November 2019	Pythagorean Neutrosophic Topological Spaces. Pg.No.:189-196	Nirmala Annual research Congress	National,ISBN No. 978-93-5391-196-6
K.Mohana	Jan 2020	Bipolar Pythagorean fuzzy $\pi$ generalized pre closed sets in topological spaces Pg.No 164-171	International Journal of Analytical and Experimental Model Analysis	International (UGC – care A) Vol 12, Iss 1 ISSN No. 0886-9367 Impact Factor.6.3
A.Francina Shalini	Jan 2020	Vague binary soft topological spaces	Compliance Engineering Journals	International (UGC – care A) Vol 11, Iss 1 ISSN No. Impact Factor.6.2
Sr. A. Stanis Arul Mary	Jan 2020	Geo Chromatic number for certain Cartesian product of graphs	International Journal of Mathematics Trends and Technology (IJMTT)	Vol 66, Issue 1, Jan 2020



### PAPER PRESENTATION BY THE FACULTY

<b>S No</b>	<b>Date</b>	<b>Name of the faculty</b>	<b>Topic</b>	<b>Category</b>	<b>Organizing Committee</b>
1	03.05.2019-04.05.2019	Dr.Sahaya Sudha	Mathematical Algorithm on water requirements for agricultural crops	International	ICETSSS Malaysia
2	03.05.2019-04.05.2019	Sr.Stephy Stephen	Estimating the minimum	International	ICETSSS Malaysia
2	27.02.2020-28.022020	Dr.U.Mary		International	WASSAT,Sydney, Australia

### OTHER ACADEMIC CONTRIBUTIONS – FACULTY

<b>S. No</b>	<b>Date</b>	<b>Name of the Faculty</b>	<b>Nature of Work</b>	<b>Institution</b>
1	03.05.2019	Dr. A. Sahaya Sudha	Session Chair	International conference on emerging trends in Science and social Science,Malaysia
2	04.07.2019	Dr. A. Sahaya Sudha	Doctoral Committee Member	Bharathiar university, Coimbatore
3	27.08.2019	Dr. K. Julia Rose Mary	Member of the Permanent Affiliation Inspection	Affiliation Inspection at Government arts and science college, Kangeyam

			Commission	
4	01.10.2019	Dr. A. Sahaya Sudha	Practical Examiner	Dr. NGP College of Arts and Science, Kalapatti
5	04.10.2019	Dr. U. Mary	Practical Examiner	Dr. NGP College, Kalapatti
6	15 <sup>th</sup> & 16 <sup>th</sup> October 2019	Dr. U. Mary	Practical Examiner	KSG College, Uppilipalayam, Coimbatore
7	30.10.2019	Dr. K. Julia Rose Mary	Practical Examiner	Narayana Guru College
8	05.11.2019	Dr. A. Sahaya Sudha	Examiner for Project Viva Voce	PSG College of arts and science ,Coimbatore
9	22.11.2019	Dr. K. Julia Rose Mary	BOS member	Rathinam College of Arts and science
10	14. 02. 2020 & 15. 02. 2020	Dr. U. Mary	Member of Academic and Administrative Audit Team 2018-2019	IQAC, PSG College of arts and science, Coimbatore
11	20.02 .2020	Dr.K.Julia Rose Mary	Guest lecture on Queuing Theory	Avinashilingam College of Arts and Science Panimadai

### STUDENT PRESENTATION IN SEMINARS AND CONFERENCES

S. No	Date	Name of student	Topic	Seminar/ Conference/	Organized by
1	27.11.,2019	S.Monolisa	Johan colouring on Cartesian	Nirmala Annual Research Congress	Nirmala College

			product of splitting graphs		
<b>2</b>	27.11.2019	V.Christy	Bipolar picture fuzzy BG-subalgebra	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>3</b>	27.11.2019	M.Mohanasundari	Quadripartioinedi ntervaluedneutros ophic rough sets	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>4</b>	27.11.2019	Remya .P.B	Trigonometric normalized hamming similarity measure between vague binary soft sets	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>5</b>	27.11.2019	A.Angel Marina	Vague soft completely continuous functions in vague soft topological spaces	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>6</b>	27.11.2019	U.Felcia	Analysis of M\ M\ I fluid model queuing with working vacations	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>7</b>	27.11.2019	S.Sreeja	Color energy of butterfly graph and paw graph	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>8</b>	27.11.2019	S.Emily Jennifer	Some degree based topological indices of poly – I- Iysine(pll) dendrimer	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>9</b>	27.11.2019	K.Rajam	Neighbourhood topological indices of dendrimernanostar	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>10</b>	27.11.	R.Jansi	Bipolar	Nirmala Annual	Nirmala College

	2019		Pythagorean fuzzy frank aggregation operation	Research Congress Nov 27,2019	
<b>11</b>	27.11.2019	C.Jenita Nancy	On $\tau_1 \tau_2$ - semi connectedness and $\tau_1 \tau_2$ semi compactness in vague bitopological spaces	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>12</b>	27.11.2019	Priya	Vague almost pi-generalised semi closed mappings in vague topological spaces	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>13</b>	27.11.2019	R.Princy	Some similarity measures of spherical sets based on Euclidean distance and their application in medical diagnosis	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>14</b>	27.11.2019	M.Dhanapackiam	Neutrosophic nano gb-continuous function in neutrosophic nano topological spaces	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>15</b>	27.11.2019	G.Jothilakshmi	On hardy colouring of sunlet graph and helm graph	Nirmala Annual Research Congress Nov 27,2019	Nirmala College
<b>16</b>	27.11.2019	C. Amala Kaavya	Correlation Coefficient using Pythagorean Picture Fuzzy sets. Pg.No.:105-111	Nirmala Annual research Congress	Nirmala College
<b>17</b>	27.11.2019	X. Bridjet and L. Lincy Marshaleena	A comparative Study on Symmetric Trapezoidal Fuzzy Numbers.	Nirmala Annual research Congress	Nirmala College

			Pg.No.:118-123		
<b>18</b>	27.11.2019	T. Deepika	An Application of Single-valued Neutrosophic Under sets in Medical Diagnosis. Pg.No.:124-129	Nirmala Annual research Congress	Nirmala College
<b>19</b>	27.11.2019	M.Diana Priscilla	Intuitionistic Fuzzy orbit* Continuous mapping. Pg.No.:218-224	Nirma la Annual research Congress	Nirmala College
<b>20</b>	27.11.2019	J.Elekiah	On Neutrosophic $b+$ open sets and $b+$ closed sets in Simple extended Neutrosophic Topology. Pg.No.:211-217	Nirma la Annual research Congress	Nirmala College
<b>21</b>	27.11.2019	V.Lavanya	On Generalized $b+$ closed sets in Vague Topological Space. Pg.No.:142-146	Nirma la Annual research Congress	Nirmala College
<b>22</b>	27.11.2019	A.Nancy Mary	Neutrosophic Vague Generalized $\beta$ Closed sets in Neutrosophic Vague Topological Spaces. Pg.No.:157-164	Nirma la Annual research Congress	Nirmala College
<b>23</b>	27.11.2019	T.A.Sneha	Pythagorean Neutrosophic Topological Spaces. Pg.No.:189-196	Nirma la Annual research Congress	Nirmala College

**STUDENTS WHO RECEIVED PRIZES IN PAPER/POSTER PRESENTATION**

<b>S. N</b>	<b>DATE</b>	<b>Name</b>	<b>Title of the</b>	<b>Conference</b>	<b>Organizing</b>
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<b>o</b>			<b>paper</b>		<b>Committee</b>
<b>1</b>	06.12.2019	Prakati.P <b>I MSc Mathematics</b>	Application of M/M/1 Queuing model in real life	Science Undergraduate Research Conference 2019	Azim Premji University, Bangalore
<b>2</b>	06.12.2019	G.Alice Josephine <b>I MSc Mathematics</b>	Analysis of Cell Phone Usage Using Correlation	Science Undergraduate Research Conference 2019	Azim Premji University, Bangalore
<b>3</b>	13.09.2019	Prakati.P, G.Alice Josephine <b>I MSc Mathematics</b> Third Prize	Mathematics in Real Life	VINCULUM, InterCollegiate Meet	AVP College ,Tripur
<b>4</b>	17.09.2019	Prakati.P, G.Alice Josephine <b>I MSc Mathematics</b> Second Prize	Applications of Mathematics	Mathfest 2019, InterCollegiate Meet	Krishna Adithya College of Arts and Science.

### FELLOWSHIPS

<b>S. No</b>	<b>Name</b>	<b>Nature of work</b>	<b>Funding agency</b>	<b>Stipend Amount</b>
<b>1</b>	Ms. Mary Margaret (Ph.D scholar)	<b>Ph.D</b>	Maulana Azad National Fellowship	Rs.25,000/- per month for initial two years(JRF)
<b>2</b>	1.Ms. Ludy Jancy Jenifer , Ph.D scholar 2. Vyshna Unni , Ph.D scholar		National Fellowship for OBC student	

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## CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

### STUDENT PARTICIPATION IN INTERCOLLEGIATE COMPETITIONS

S. No	Event	Organized by	Students Name	Participated / Won
1	Math Modelling	Dr.N.G.P Arts and Science College	P.Tweena Evangelin, M.Jone Swedha -II B.Sc Mathematics	Third Prize
2	Math Modelling	CMS College of Science and Commerce	P.Tweena Evangelin, J.Diana Merlin -II B.Sc Mathematics	First Prize
3	Solo Song	CMS College of Science and Commerce	M.Jone Swedha-II B.Sc Mathematics	Third Prize
4	Mehandi	CMS College of Science and Commerce	J.Diana Merlin, A.M.Ayisha Fenoon -II B.Sc Mathematics	Second Prize
5	Math Doodle	PSGR Krishnammal College for Women	P.Tweena Evangelin, A.M.Ayisha Fenoon -II B.Sc Mathematics	Second Prize
6	Dance	Rathinam College of Arts and Science	K.Infanta Nancy-II B.Sc Mathematics	Second Prize
7	Math Scribbling	SNS College of Arts and Science	K.Infanta Nancy-II B.Sc Mathematics	First Prize
8	Tamil Speech	SNR College of Arts and	Pharsana Parveen-II B.Sc Mathematics	Second Prize

9	Tamil Poetry	Science CMS College of Science and Commerce	A.Arockia Preethi-II B.Sc Mathematics	First Prize
10	Group dance	Sri Ramakrishna College of Arts and Science	V.Celsia - II B.Sc Mathematics	First Prize
11	Variety Entertainment	Michael John Job College	M.Dayana Juliet,S.Madhumitha - II B.Sc Mathematics	Second Prize
12	Tamil Speech	National Girl Child Day – District Level	Pharsana Parveen-II B.Sc Mathematics	Second Prize
13	Tamil Speech	PSG College of Technology	Pharsana Parveen-II B.Sc Mathematics	Fifth Prize
14	Math Scribbling	Dr.NGP College of Arts and Science	Iswariya, Merlin Swetha -I M.Sc Mathematics	First Prize
15	Math Puzzle	Dr.NGP College of Arts and Science	Lana Leanus, Jenifer Christina C.M -I B.Sc Mathematics	First Prize
16	Math Quiz	PSGR Krishnammal College for	Lana Leanus, Jenifer Christina C.M -I B.Sc Mathematics	Second Prize

17	Cross Country	Women Gopi Arts College, Erode	K.Anandhi-II B.Sc Mathematics	Second Prize
18	Kho-Kho	Pollachi Arts and Science College	K.Anandhi-II B.Sc Mathematics	First Prize

### EXTENSION ACTIVITIES

#### OTHER EXTENSION ACTIVITIES OF THE DEPARTMENT

S. No.	DATE	ACTIVITY	PLACE	NO. OF BENEFICIARIES
1	17.08.2019	Coaching Classes to VI to X students	Kangeyampalayam	50