



Dr. N.G.P. Arts and Science College

An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore
Approved by Government of Tamil Nadu & Accredited by NAAC with A++ Grade (III Cycle – 3.64CGPA)
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Department of Mathematics

Activates and Achievements - AY 2022-23

1. Guest Lecture/Invited Lecture

S.No	Date	Name and Designation of the Resource Person	Topic	Venue	Beneficiary
1	03-Mar-23	Dr. R. Marudhachalam Associate Professor, Department of Mathematics School of Foundational Sciences, Kumaraguru College of Technology, Coimbatore	Applications of transform techniques	C 1 Block Seminar Hall II	III UG, I and II PG
2	11-Nov-22	Mr. K. Kalimuthu, Research Scholar, Department of Applied Mathematics, Bharathiar University, Coimbatore	Research and Development in Applied Mathematics	Room No: 206	UG and PG
3	05-Nov-22	Ms. Bharathi Anbarasan, Assistant Professor (SG), Dr. N.G.P. Arts and Science College, Coimbatore	Basics of object-oriented programming	Room No: 206	III UG
4	29-Oct-22	Ms. G. Sangavi Online Tutoring, Focus Edumatics Pvt Ltd	Practice makes a man perfect	Room No: 206	III UG and II PG
5	23-Sep-22	Dr. R. Prabhakaran Assistant Professor and Head, PG & Research Department of Botany, PSG College of Arts and Science, Coimbatore	Introduction to Research Methodology	Kambar Arangam	I UG, II UG, III UG & II PG
6	27-Aug-22	Dr. K. Akalyadevi Assistant Professor in Mathematics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	Graph Theory and its Applications	Room No:206	II UG, III UG & II PG

2. Seminar / Workshop Conferences organized

S.No	Date	Nature of the Event (Conference/ Seminar/ Workshop)	Number of External Participants	Title of the Event	Name & Designation of the Speakers
1	12-Apr-23	Conference	50	Emerging Trends in Physical Science and Mathematics	Dr. R. Sakthivel Professor, Department of Applied Mathematics Bharathiar University, Coimbatore

3. Extension Activities

S.No	Date	Nature of the extension	Place	Students involved
1	28-Jan-23	Vedic Mathematics	Thippanur	III UG Students
2	10-Sep-22	Awareness on Water Conservation	Nelliththurai Village	III UG Students

4. Staff Awards

S.No	Date	Name of the Staff	Name of the Award	Awarded by
1	Jun-22	Dr. S. Manimekalai	Research Excellence Award 2022	Institute of Researchers, Kerala
2	27-Mar-22	Dr. S. Manimekalai	Paavai Asiriyar	Yavarum Kelir

5. Staff Recognitions

S.No	Date	Name of the Staff	Acted As	Name of the Programme	Venue
1	14-Nov-22	Dr. M. Sangeetha	Invited Speaker	Operations Research with Software	Sri Ramakrishna College of Arts and Science for Women, Coimbatore
2	29-Oct-22	Ms. S. Gokilamani	NPTEL Topper	The Psychology of Language IIT, Guwahati	-
3	07-Oct-22	Dr. M. Sangeetha	Invited Speaker	Seminar on Application of Software Techniques in Mathematics	St. Joseph's College for Women, Tirupur

4	19-Sep-22	Dr. Manimekalai S	Reviewer	Asian Journal of Pure and Applied Mathematics	-
5	23-Aug-22	Dr. Manimekalai S	Reviewer	Asian Journal of Cardiology Research	-
6	20-Aug-22	Dr. Manimekalai S	Reviewer	Asian Journal of Pure and Applied Mathematics	-
7	18-Aug-22	Dr. Manimekalai S	Reviewer	Asian Journal of Medicine and Health	-
8	08-May-22	Dr. Manimekalai S	Reviewer	Asian Research journal of Mathematics	-
9	01-Apr-22	Dr. Manimekalai S	Reviewer	Journal of Pharmaceutical Research International	-
10	07-Apr-22	Dr. Manimekalai S	Reviewer	Asian journal of Mathematics and Computer Research	-
11	05-Apr-22	Dr. Manimekalai S	Reviewer	Journal of Pharmaceutical Research International	-
12	10-Mar-22	Dr. M. Sangeetha	Invited Speaker	Webinar on Operations Research using Libre Office	PSGR Krishnammal College for Women, Coimbatore
13	25-Feb-22	Dr. M. Sangeetha	Session Chair	International Conference on Recent Trends in Theoretical and Computational Mathematics	PSGR Krishnammal College for Women, Coimbatore
14	24-Sep-22	Dr. M. Sangeetha	Invited Speaker	Approach to Competitive mathematics	Government Arts & Science College for Women, Bargur

6. Staff Participation

S. No.	Date	Name of the Faculty	Name of the Workshop/ FDP/Training Programme	College
1	01-Mar-23 & 02-Mar-23	Ms. M. Lavanya Ms. A. Thamilpriya Dr. P. Umamaheswari Ms. M. Vinita	How to crack CSIR - NET Exam	Sri Ramakrishna College of Arts and Science, Coimbatore

2	07-Feb-23	Dr. S. Kannaki Ms. M. Lavanya Ms. M. Vinitha	A One Day National Conference on National Education Policy (NEO-2020) Opportunities and Challenges in Teacher Education	Dr. N.G.P. College of Education, Coimbatore
3	20-Jan-23 & 21-Jan-23	Ms. A. Thamilpriya	Workshop on Algebraic Topology	NGM College, Pollachi
4	4-Jan-23 & 5-Jan-23	Dr. S. Mathankumar	Lecture Workshop on Engineering Mathematics	KPR Institute of Engineering and Technology, Coimbatore
5	16-Nov-22	Ms. A. Thamilpriya Dr. P. Umamaheswari	Infosys Spring board- Learn R Programming	Online
6	15-Nov-22	Dr. R. Sowrirajan	Infosys Spring board- Neural Network Mathematics: Understanding the Mathematics of a Neuron	Online
7	14-Nov-22	Ms. S. Gokilamani	Infosys Spring board- Math Optimizations: Solving Optimization Problems Using Linear Programming	Online
8	11-Nov-22	Dr. P. Umamaheswari	Infosys Spring board- Python Basics	Online
9	11-Nov-22	Dr. R. Sowrirajan	Infosys Spring board- Work Life Balance	Online
10	09-Nov-22	Ms. S. Gokilamani	Infosys Spring board- Basics of Python	Online
11	05-Nov-22	Dr. S. Mathankumar Ms. R. Anandhi	Infosys Spring board- Basics of Python	Online
12	04-Nov-22	Dr. M. Sangeetha Dr. S. Kannaki Ms. M. Vinitha Ms. A. Thamilpriya Mr. C. Sivakumar Mr. M. Santhoshkumar Dr. P. Umadevi Ms. M. Lavanya Dr. S. Manimekalai	Infosys Spring board- Basics of Python	Online
13	02-Nov-22	Dr. P. Umamaheswari	Infosys Spring board- Basics of Python	Online
14	10-Oct-22 to 15-Oct-22	Dr.S. Manimekalai	Recent research area and its Application in Mathematics	Vel tech Multi Tech
15	06-Oct-22 to 14-Oct-22	Dr. S. Manimekalai Ms. S. Gokilamani	National Level FDP on Fundamentals of research and Research Methodology	IOT Academy

16	21-Sep-22 to 04-Oct-22	Ms. S. Gokilamani Dr. Manimekalai S Dr. M. Sangeetha Dr. S. Kannaki Mrs. A. Thamilpriya Ms. M. Lavanya Ms. M. Vinitha	Two weeks online International FDP on Current Trends in Applications of Mathematics	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
17	Aug-Oct 2022	Mrs. S. Gokilamani	NPTEL- The Psychology of Language-Completed	Online
18	Aug-Oct '22	Dr. P. Umamaheswari	NPTEL- Descriptive Statistics with R Software- Completed	Online
19	21-Sep-22 to 29-Sep-22	Dr. P. Umamaheswari	UGC Approved Short term Professional Development Programme on Implementation of NEP 2020	Indira Gandhi national Open University, New Delhi
20	6-Sep-22 to 14 -Sep-22	Mrs. S. Gokilamani	National Level FDP on Teaching and Learning Process in Higher Educational Institutions	Annant Gyan Knowledge and Skills PVT Ltd
21	3-Sep-22 to 5-Sep-22	Ms. A. Thamilpriya	International Online Workshop on Academic Writing-Ethical Issues	Global Institute of Statistical Solutions
22	26-Aug-22 to 30-Aug-22	Ms. A. Thamilpriya	5 days FDP on Second Mathematical Sciences for CSIR-UGC NET Aspirants	Vellore Institute of Technology, Vellore
23	8-Aug-22 to 12-Aug-22	Dr. P. Umadevi	Five Days National FDP on Recent Advances in Mathematics	Vellore Institute of Technology, Vellore
24	27-Jun-22 to 29-Jun-22	Dr. S. Mathankumar	FDP on Advanced Latex	Vellore Institute of Technology, Chennai.
25	6-Jun-22 to 11-Jun-22	Ms. A. Thamilpriya	One-week Online Workshop on Vedic Mathematics and its Applications	Annant Gyan Knowledge and Skills PVT Ltd

7. Staff Presentation

S. No.	Date	Name of the Faculty	Name of the Conference	Name of the title
1	2-Feb-23 to 3-Feb-23	Dr. S. Manimekalai	International Conference on Contemporary Approaches in Science and Humanities: Future Prospects	Even Edge Coloring for Network Applications

2	24-Jan-23 to 25-Jan-23	Dr. P. Umamaheswari	National Symposium on Impending Mathematical Techniques for Nonlinear PDEs in Collective Dynamics	Existence and Stability results for system of Stochastic Fractional Differential Equations with Levy Noise
3		Dr. S. Manimekalai		Predicting Drug Molecular Properties using Mathematical Index
4	09-Jun-22 to 11-Jun-22	Ms. S. Gokilamani	18th Annual Conference of ADMA and Graph Theory Day	Balanced Rank Distribution Labeling of Cartesian Product of Certain Graphs Connectivity
5	23-Mar-22 to 25-Mar-22	Dr. Manimekalai S	International Conference on Mathematical Techniques and Applications	Descriptors of Lattices for Nano Particles using Python Program
6	6-Jan-22 to 7-Jan-22	Dr. P. Umadevi	National Conference on Numerical Analysis and Applications	Magneto Convection in Inclined Domain Utilizing Ferro Fluid with Heat generating Obstacle
7	11-Oct-21 to 12-Oct-21	Dr. P. Umadevi	National Conference on New Trends in Applied Mathematics	MHD Natural Convective flow Analysis in Inclined Square Domain Suspected with Ag Water Nanofluid and Heat Generating Body
8	16-Sep-21 to 17-Sep-21	Dr. P. Umamaheswari	International Virtual Conference on Emerging Trends in Applications of Mathematics- 2021	Existence of solution of stochastic fractional differential equations with Levy noise

8. Students Presentation

S.No	Date	Name of the student	Name of the event	Name of the title	College
1	27-Jan-23 & 28-Jan-23	R. Sindhu Ph.D, Research Scholar	International Conference on Mathematical Modeling	Numerical investigation of Darcy-Forchheimer flow of Hybrid Nanofluid (Cu-AI2O3/water) and Nanofluid (Cu/water) over an exponentially stretched surface with suction	Bharathiar University
2	27-Jan-23 to 28-Jan-23	S. Divya Ph.D Research Scholar	International Conference on Mathematical Modeling	Effects of magnetic field over a Cu-TiO2 /water based hybrid nanofluid flow with viscous dissipation and thermal radiation	Bharathiar University

3	05-Dec-22 to 06-Dec-22	S. Divya Ph.D Research Scholar	International E- Symposium on Plasma for Energy	Effects of viscous dissipation and thermal radiation flow of CuO/Al ₂ O ₃ water based nano particles in the presence of a magnetic field	SRM Institute of Science and Technology, Chennai
4	02-Dec-22- 04-Dec-22	S. Divya Ph.D Research Scholar	Recent Advances in Mathematical fluid dynamics	The Darcy-Forchhaimer flow of a magnetic field on Ag/TiO ₂ water- based nanoparticles over a Heat generation/absorption	Malaviya National Institute of Technology, Jaipur
5	05-Nov-22	Mr. K. Ragavendra Vignesh, III B.Sc. Mathematics	Student Development Programme	Reality of life after college	Dr. N.G.P. Arts and Science College
6	05-Nov-22	Ms. S. Sivaranjani, II M.Sc. Mathematics	Student Development Programme	A Door for Future	Dr. N.G.P. Arts and Science College

9. Staff Publications

S. No.	Name of the Faculty	Title	Journal Name	ISSN / ISBN No. Date of publishing Vol. No.	Impact Factor	SCI/WoS/ UGC/ SSCI/ Scopus
1	Dr. S. Eswaramoorthi	Numerical Computation of Ag/Al ₂ O ₃ Nanofluid over a Riga Plate with Heat Sink/Source and Non-Fourier Heat Flux Model	Mathematical and Computational Applications	February 2023	2.25	WoS
2	Dr. S. Manimekalai	Mathematical Descriptors for Drug Design Using Python Program	Journal of Pharmaceutical Negative Results	December 2022	0.654	WoS, Scopus
3	Dr. R. Sowrirajan	A study on the Impact of Nonlinear Source Term in Black-Scholes option pricing Model	Hindawi-Abstract and Applied Analysis	November 2022		
4	Dr. P. Umadevi	Analysis of Convection Phenomenon in Enclosure Utilizing Nanofluids with Baffle Effects	Journal of Energies	ISSN: 19196-1073, Vol:14, 09-Sep- 2022	3.252 (2021)	Scopus, Web of Science, SCIE

5	Dr. P. Umadevi	Influence of the Ferro Particles on Convection Inside Inclined 2D Enclosure with Heat Conducting and Generating Body	Journal Nanofluids	ISSN:2169-432X , Aug 2022, Vol :11, No:4, P.P-572-582,	-	Scopus, Web of Science, UGC
6	Dr. S. Eswaramoorthi	Investigation on Thermally Radiative Mixed Convective Flow of Carbon Nanotubes/Al ₂ O ₃ Nanofluid in Water Past a Stretching Plate with Joule Heating and Viscous Dissipation	Micromechanics	29-Aug-22	3.523	SCIE
7	Dr. S. Eswaramoorthi	Exploration of Darcy Forchheimer Flows of Non-Newtonian Casson and Williamson Conveying Tiny Particles Experiencing Binary Chemical Reaction and Thermal Radiation: Comparative Analysis	Mathematical and Computational Applications	20-Jun-22	2.25	WoS
8	Mrs. S. Gokilamani	Total Coloring of Comb related Graphs	International Journal of Creative Research Thoughts	ISSN: 2320-2882 Vol:10, No:5, May 2022	7.97	UGC
9	Dr. S. Eswaramoorthi	Entropy and Heat Transfer Analysis for MHD Flow of-Water-Based Nanofluid on a Heated 3D Plate with Nonlinear Radiation	Mathematical Problems in Engineering	Feb-2022, 15 pages	1.305	SCI
10	Dr. Manimekalai S	Molecular Descriptors of Lattices using Python Program	Journal of Fundamental and Comparative research	ISSN:2277-7067 24-Dec-2021	-	UGC
11	Dr. M. Sangeetha	Comparative study of Russel's Approximation method and Heuristic method	International journal of Creative Research Thoughts	ISBN:2320-2882, 12-Dec-2021, Vol-9, No:1, ,	-	UGC
12	Dr. M. Sangeetha	An Application of Nano Topological Spaces with Decision Making problem in medical field	Turkish Journal of Computer and Mathematics Education	ISBN:13094653, 20-Apr-2021, Vol:12, No:9, PP:975-978	-	Scopus
13	Dr. S. Kannaki	An Application of Nano Topological Spaces with Decision Making problem in medical field	Turkish Journal of Computer and Mathematics Education	ISBN:13094653, 20-Apr-2021, Vol:12, No:9, PP:975-978	-	Scopus

10. Student Participation

S. No.	Date	Name Of The Students	Event	College	Inter Collegiate / Inter Departmental	Prizes won
1	21-Feb-23	Madhu Pratheevkaran	Elangovadigal Tamil Mandram	Dr. N.G.P. Arts and Science College	Inter Departmental	Appreciation Certificate
2	17-Feb-23	C.Rithika M.Monisha	Launch your thoughts	Dr. SNS Rajalakshmi Arts and Science College	Inter Collegiate	II Prize
3	3-Feb-23 & 4-Feb-23	Madhu Pratheevkaran	Tamil Debate	Sree Narayana Guru College,Coimbatore.	Inter Collegiate	I Prize
4	2-Feb-23	D.Pooja P.Ayana P.Arthana G.Karthika C.Rithika Ashli Thomas	NEP-2020	Dr. N.G.P. College of Education, Coimbatore.	Inter Collegiate	
5	25-Jan-23	S.Madhumidha K..Ragavendra Vignesh	Quiz	Bharthiar University PG Extension and Research Centre, Erode.	Inter Collegiate	I Prize
6	4-Jan-23 & 5-Jan-23	K.K Narmatha Priya S.Sivaranjani C.Rithika K.Dharni	Science Adademies Lecture Workshop on Engineering Mathematics	KPR Institute of Engineering and Technology, Coimbatore	Inter Collegiate	
7	27-Aug-22 & 28-Aug-22	R.Sindhu S.Divya S.Baskaran S.Sivaranjani K.Dharani	Work Shop on Differential Equations and their Applications in Mathematical Modeling	Jansons Institute of Technology, Coimbatore	Inter Collegiate	
8	15-Aug-22	K.Santhosh Raj T.Anisha	Sarvam Naatiyamayam	Chinmaya Yuva Kendra, Coimbatore	Inter Collegiate	I Prize
9	15-Oct-22	Madhu Pratheevkaran	Tamil Speech, Elangovadigal Tamil Mandram	Dr. N.G.P. Arts and Science College	Inter Departmental	II Prize

10	05-Sep-22	Madhu Pratheevkaran	Tamil Speech, Elangovadigal Tamil Mandram	Dr. N.G.P. Arts and Science College	Inter Departmental	III Prize
11	27-Aug-22	Akshaya U.G Amshavarthini U Anuchanth N K Arunkumar L Ashika M Brindha.S Dhanuja.L Farsana.R Gokul S Indhumathi.M Indhureka.P Inthuja.S Jency.G Kannika .M Kavi Arasan Keerthana. K Kiruthika R Lakshana.S Nithya.B Nithyanandhi. S Preethika S	Spoken tutorial	Online	Scilab	Certificate
12	27-Aug-22	Ragavendra Vignesh Ranjith Sankavi.V Santhosh Raj.K Saravana Babu.S Sarmila Devi.R Sharan S Shima . S Sountharya.S Sowmiya D Sowmiya.K Srinath.S	Spoken tutorial	Online	Scilab	Certificate

		Sundhara Idhaya S Swetha S Uma Maheshwari D Yuvaraj.P Abarna D Manobharathi				
13	24-Aug-22	D.Pooja	National Youth Parliament Scheme	Ministry of Parliamentary Affairs, New Delhi	Delhi	
14	22-Aug-22	Anisha T Anusha S Bhagirathimeena K Hemadharshini V Iswarya R Kavikashree C Moviya G Preethika S K Selvdivya S Sneka N Yashaswini Miruthulaa D	Spoken tutorial	Online	Libre office Suite Base Training	Certificate
15	10-Aug-22 to 13-Aug-22	Santhosh Raj.K Swetha.S Anisha.T	Folk Dance	Bharathiar University	Inter collegiate	II Prize
16	10-Aug-22	Madhu Pratheevkaran	Tamil Speech, Elangovadigal Tamil Mandram	Dr. N.G.P. Arts and Science College	Inter Departmental	III Prize
17	27-Jul-22	Arthana P Ashli Thomas Ayana P Dharani K Karthika G Kowsika T Meenaakshi M Monisha M Mythili R Narmatha Priya K K	Spoken tutorial	Online	Python 3.4.3	Certificate

		Pooja D Priyanka K Rithika C Roopa Devi B Sivaranjani S Subadhrani K S Yasshwanth C Dhanushya Sri B				
18	2-Jun-22	S.T.Jayabharathi	Statisitice E quiz	PSGR Krishnammal college	Inter collegiate	Scored 80 %
19	08-Jun-22	Velu.M	E-Quiz: Mental ability	Government Science College autonomous	Inter collegiate	Completion certificate
20	05-Jun-22	Velu.M	E-Quiz: Ecosystem Restoration	BISHOP AMBROSE COLLEGE	Inter collegiate	Scored 83% and completed certificate
21	05-Jun-22	R S Hari	Quiz on Ecosystem	Bishop Amrose College	Inter collegiate	Scored 100 %