



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 (3rd Cycle – 3.64 CGPA)

Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.

Website: www.drngpasc.ac.in | Email: info@drngpasc.ac.in. | Phone: +91-422-2369100

DEPARTMENT OF MATHEMATICS (2021-22)

1. Guest Lecture/Invited Lecture

S. No.	Date	Name and Designation of the Resource Person	Topic	Venue	Beneficiary
1	30-Nov-21	R.C.Hemakumari II M.Sc Mathematics	An invitation to Effective thinking in Mathematics	III B.Sc Mathematics	III UG
2	30-Nov-21	S.Sangavi III B.Sc Mathematics	Hard work is key to Success	I B.Sc Mathematics	I UG
3	27-Nov-21	Dr. M. Vivek Prabhu Assistant Professor Kongunadu Arts and Science College Coimbatore	Python Programming for Beginners	Online	50 Students in Maths department
4	01-Nov-21	Dr. P. Duraisamy Assistant Professor Gobi Arts and Science College Gobi	Beauty of Complex Analysis	Online	III UG
5	20-Sep-21	Dr. P. Vijayakarthish Professor and Head Sri M. Visvesvaraya Institute of Technology Bengaluru	IOT and its Application in Real World	Online	III UG & II PG
6	11-Aug-21	Prof. P. Kandaswamy, FNASc.,	Mathematical	Online	30 Members in Various colleges

	to 26-Aug-21	<p>Bharathiar University, Coimbatore;</p> <p>Prof. M.Lakshmanan, FNA., Bharathidasan University, Tiruchchirapalli;</p> <p>Prof. G.D. Veerappa Gowda, FNA., TIFR Centre for Applicable Mathematics, Bangalore;</p> <p>Prof. K.Balachandran Professor , Bharathiar University, Coimbatore;</p> <p>Prof. Ramajayam Sahadevan University of Madras, Chennai;</p> <p>Prof. Satyajit Roy, Indian Institute of Technology Madras, Chenna;</p> <p>Dr.Kannan Sundaravadivelu, Institute of High Performance, Singapore;</p> <p>Dr.R.Kandaswamy Director Research Center for Computational Simulation Salale University, Ethiopia</p>	<p>Methods, application of differential equations, solving non-linear ordinary and partial differential equations, Fractional differential equations and its applications, Dynamical Systems and Integral transforms with their Applications, Trbulent fluid flow, Computational fluid dynamics in advanced manufacturing and high speed compressible fluid flow, Numerical solution of partial differential equations in Fluid mechanics</p>		
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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	Name & Affiliation Chair & Co-chair	Funding Agency	Total Funding
-	-	-	-	-	-	-	-	-

3. Extension Activities

S. No.	Date	Nature of the extension	Place	Students involved
1	4-Sep-22	Awareness on Conservation of Water and Plastic Bag Usage	Panchayat Union Primary School, Thadagam	40
2	4-Sep-22	Awareness on Cleanliness, Hygiene and Sanitation, Conservation of Water, Plastic Bag Usage and Mobile Banking Applications	Thadagam	15

4. Awards and Prizes for Staff

S. No.	Name of the Staff	Name of the Award	Awarded by	Cash Prize (If any)	Date
	Dr. S. Manimekalai	Paavai Asiriyar	Yavarum Kelir	-	27-Mar-22
1	GOKILAMANI S	Best Teacher	Dr. N.G.P. Arts and Science College	-	03-Nov-21
2	Dr. S. MATHANKUMAR	Best Mentor	Dr. N.G.P. Arts and Science College	-	03-Nov-21
3	Dr. S. Eswaramoorthi	Seed money	Dr. N.G.P. Arts and Science College	5000	05-Oct-20

4	Dr.M.Sangeetha	Seed money	Dr. N.G.P. Arts and Science College	5000	05-Oct-20
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5. Staff Recognitions:

S. No.	Name of the Staff	Acted As	Name of the Programme	Date	Venue
1	Dr.Manimekalai S	Reviewer	Asian Research journal of Mathematics	08-May-22	-
2	Dr.Manimekalai S	Reviewer	Journal of Pharmaceutical Research International	01-Apr-22	-
3	Dr.Manimekalai S	Reviewer	Asian journal of Mathematics and Computer Reseach	07-Apr-22	-
4	Dr.Manimekalai S	Reviewer	Journal of Pharmaceutical Research International	05-Apr-22	-
5	Dr.M.Sangeetha	Invited Speaker	Webinar on Operations Research using Libre Office	10-Mar-22	PSGR Krishnammal College for Women
6	Dr.M.Sangeetha	Chair Person (paper Presentation)	International Conference on Recent Trends in Theoretical and Computational Mathematics	25-Feb-22	PSGR Krishnammal College for Women
7	Dr. R. Sowrirajan	Chief Guest	Mathematics Club inauguration	27-Dec-21	Dr. N. G. P. College of Education, coimbatore

6. Staff Participation

S. No.	Date	Name of the Faculty	Name of the Workshop/FDP/Training Programme	College
1	11-APR-22-12-APR-22	Ms. S. Gokilamani	FDP on Plagiarism in Academic Research and Author Identifiers	Indian Insitute of Management and Commerce
2	24-FEB-22-25-FEB-22	Ms. S. Gokilamani	International Conference on Recent Trends in Theoretical and Computational Mathematics	PSGR Krishnammal College for Women, Coimbatore

3	27-JAN-22- 28-JAN-22	Ms. M. Lavanya	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
4	27-JAN-22- 28-JAN-22	Mr. S. Rameshkumar	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
5	27-JAN-22- 28-JAN-22	Ms. S. Gokilamani	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
6	27-JAN-22- 28-JAN-22	Dr. P. Umamaheswari	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
7	6-JAN-22	Dr. P. Umamaheswari	NPTEL E- Awareness workshop	Dr. N.G.P. Arts and Science College, Coimbatore.
8	6-JAN-22	Ms. M. Lavanya	NPTEL E- Awareness workshop	Dr. N.G.P. Arts and Science College, Coimbatore.
9	27-JAN-22- 28-JAN-22	Ms. M. Lavanya	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
10	27.01. 22- 28.01. 22	Mr. S. Rameshkumar	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
11	27-JAN-22- 28-JAN-22	Ms. S. Gokilamani	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai

12	27-JAN-22- 28-JAN-22	Dr. P. Umamaheswari	Online Workshop: An Insight into Mathematical Modelling in Information and Communication Engineering	Sri Sivasubramaniya Nadar College of Engineering, Chennai
13	30-DEC-21	Dr. P. Umamaheswari	National Webinar on Vedic Mathematics	The Bhopal School of Social Sciences, Bhopal.
14	21-DEC-21- 23-DEC-21	Mr. S. Rameshkumar	National FDP on Graph Theory	Vellalar College for Women, Erode.
15	21-DEC-21- 23-DEC-21	Ms. S. Gokilamani	National FDP on Graph Theory	Vellalar College for Women, Erode.
16	21-DEC-21- 23-DEC-21	Ms. M. Lavanya	National FDP on Graph Theory	Vellalar College for Women, Erode.
17	21-DEC-21- 23-DEC-21	Dr. P. Umamaheswari	National FDP on Graph Theory	Vellalar College for Women, Erode.
18	6-DEC-21- 10-DEC-21	Dr. P. Umamaheswari	International Workshop on Wavelets and its Applications: Image Processing, Data Science and PDE's	Manav Rachna University, IIT Indore.
19	29-NOV-21	Ms. M. Lavanya	Webinar on Catalan Number and its Applications	KSG College of Arts and Science, Coimbatore.
20	7-SEP-21	Dr. S. Eswaramoorthi	Webinar on Introduction to Latex	Patrician College of Arts and Science, Chennai
21	9-AUG-21- 19-AUG-21	Dr. P. Umadevi	FIP on Biostatistics and R Programming	Rathinavel Subramaniam College of Arts and Science, CBE.
22	9-AUG-21- 19-AUG-21	S. Gokilamani	FIP on Biostatistics and R Programming	Rathinavel Subramaniam College of Arts and Science, CBE
23	7-AUG-21	Dr. S. Mathankumar	Webinar on Relevance of Mathematics in Control Systems	KPR Institute of Engineering and Technology, Coimbatore.

24	2.-AUG-21- 3-AUG-21	Dr. S. Mathankumar	Webinar on Development Governing Equations in Fluid Flow	KPR Institute of Engineering and Technology, Coimbatore.
25	26-JUL-21- 28-JUL-21	Dr. S. Eswaramoorthi	An overview of Mathematical Software and its Applications	Sagar Institute of Research and Technology, Bhopal
26	5-JUL-21- 9-JUL-21	Dr. S. Eswaramoorthi	Workshop on LATEX	GITAM, Bengaluru
27	01-JUL-21- 02-JUL-21	Dr. M. Sangeetha	Two days Virutal FDP on Teaching Learing process through revised Blooms taxonomy	Dr.N.G.P. Institute of Technology, Coimbatore
28	01-JUL-21- 02-JUL-21	Dr. S. Mathankumar	Two days Virutal FDP on Teaching Learing process through revised Blooms taxonomy	Dr.N.G.P. Institute of Technology, Coimbatore
29	01-JUL-21- 02-JUL-21	Dr. S. Kannaki	Two days Virutal FDP on Teaching Learing process through revised Blooms taxonomy	Dr.N.G.P. Institute of Technology, Coimbatore
30	26-JUN-21	Dr. S. Mathankumar	One day Workshop on Fractional Dynamical Systems	Bannari Amman Institute of Technology, Erode.
31	25-JUN-21	Dr. S. Mathankumar	Webinar on Applications of Finite Volume Method in Heat Transfer Problems	Sri Venkateswara College of Engineering, Sriperumbudur.
32	24-JUN-21- 25-JUN-21	Dr. S. Eswaramoorthi	Hands-On Training in LaTeX	Sri Shakthi Institute of Engineering and Technology, Coimbatore
33	21-JUN-21- 25-JUN-21	Dr. S. Mathankumar	FDP on Mathematical Tools	Hindustan College of Engineering and Technology, Coimbatore.
34	19-JUN-21	Dr. S. Mathankumar	Webinar on Build a Career on Management	Hindustan College of Engineering and

				Technology, Coimbatore.
35	19-JUN-21	Dr. S. Mathankumar	Webinar on Poincare Conjecture	KPR Institute of Engineering and Technology, Coimbatore.
36	16-JUN-21	Dr. S. Mathankumar	National Level Webinar on Applications of Linear Algebra in Differential Equations	Sadakathullah AppaCollege (Autonomous), Thirunellveli.
37	15JUN-21-21-JUN-21	Dr. S. Mathankumar	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
38	15-JUN-21-21-JUN-21	S. Gokilamani	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
39	15-JUN-21-21-JUN-21	Dr. S. Eswaramoorthi	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
40	15-JUN-21-21-JUN-21	Dr. P. Umamaheswari	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
41	15-JUN-21-21-JUN-21	Dr. R. Sowrirajan	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
42	15-JUN-21-21-JUN-21	M. Lavanya	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
43	15-JUN-21-21-JUN-21	Dr. M. Sangeetha	Online FDP on Research Methodology and	Dr. N.G.P. Arts and Science College,

			Pedagogy for Tertiary Education	Coimbatore.
44	15-JUN-21- 21-JUN-21	Dr. S. Kannaki	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
45	15-JUN-21- 21-JUN-21	Dr. P. Umadevi	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
46	15-JUN-21- 21-JUN-21	S. Rameshkumar	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
47	15-JUN-21- 21-JUN-21	Bharathi Anbarasan	Online FDP on Research Methodology and Pedagogy for Tertiary Education	Dr. N.G.P. Arts and Science College, Coimbatore.
48	07-JUN-21- 12-JUN-21	Dr. S. Kannaki	Online FDP on Matlab and its Applications	Dr.N.G.P. Institute of Technology, Coimbatore
49	07-JUN-21- 12-JUN-21	Dr. S. Eswaramoorthi	Matlab and its Applications	Dr.N.G.P. Institute of Technology, Coimbatore
50	07-JUN-21- 12-JUN-21	Dr. S. Mathankumar	Matlab and its Applications	Dr.N.G.P. Institute of Technology, Coimbatore
51	07-JUN-21- 12-JUN-21	Dr. M. Sangeetha	Matlab and its Applications	Dr.N.G.P. Institute of Technology, Coimbatore
52	07-JUN-21- 12-JUN-21	Dr. P. Umamaheswari	One week International FDP on Applicable Mathematics and Programming in Science and Technology	Mohamed Sathak A J College of Engineering, Chennai.

7. Staff Presentation

S. No.	Date	Name of the Faculty	Name of the Conference	Name of the title	College
1	23-Mar-22- 25-Mar-22	Dr. Manimekalai S	International Conference on Mathematical Techniques and Applications	Descriptors of Lattices for Nano Particles using Python Program	SRM Institute of Science and Technology, Chengalpattu.
2	6-JAN-22- 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	NIT. Puducherry.
3	11-OCT-21- 12-OCT-21	Dr. P. Umadevi	National Conference on New Trends in Applied Matheamtics	MHD Natural Convective flow Analysis in Inclined Square Domain Suspected with Ag Water Nanofluid and Heat Generating Body	UIET, Chhatrapati Shahu Ji Maharaj University, Kanpur
4	16-SEP-21- 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	KG College of Arts and Science, CBE

8. Students Presentation

S.no	Date	Name of the student	Name of the event	Name of the title	College

9. Staff Publication

S.	Name of the Faculty	Title	Journal Name	ISSN / ISBN No.	Impact	SCI/WoS/
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No.				Date of publishing Vol. No.	Factor	UGC/SSCI/ Scopus
1	Mrs. S. Gokilamani	Total Coloring of Comb related Graphs	International Journal of Creative Research Thoughts	ISSN: 2320-2882 Volume 10 Issue 5 May 2022	7.97	UGC
2	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	Feburary-2022	1.305	SCOPUS
3	Dr. M. Sangeetha	Comparitive Study of Russel's Approximation method and Heuristic Method	International Journal of Creative Research Thoughts(IJCRT)	2021 Issue 12,volume 9, page 699-705	7.97	UGC
4	Dr. S. Mathankumar	An Approximate Solution for Fuzzy Volterra Integro-differential Equations using Variational Iteration Technique	Advances in Dynamical Systems and Applications (ADSA),	16-FEB-21, P.P-1455-1467	0.9	SCOPUS
5	Dr. Manimekalai S	Molecular Descriptors of Lattices using Python Program	Journal of Fundamental and Comparative research	ISSN:2277-7067 24-Dec-2021	-	UGC
6	Dr. M. Sangeetha & 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	0.33	Google Scholar
7	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

8	Dr. S. Eswaramoorthi	Mixed Convection and Thermally Radiative Flow of MHD Williamson Nanofluid with Arrhenius Activation Energy and Cattaneo-Christov Heat-Mass Flux	Journal of Mathematics	2021, 16 pages	0.91	SCIE
9	Dr. S. Eswaramoorthi	Numerical and Analytical Investigation for Darcy-Forchheimer Flow of a Williamson Fluid over a Riga Plate with Double Stratification and Cattaneo-Christov Dual Flux	Advances in Mathematical Physics	2021, 15 pages	1.13	SCIE
10	Dr. S. Eswaramoorthi	Thermally radiative flow of a viscoelastic nanofluid with Newtonian heating	International Journal of Nanotechnology	P.P-1741-8151, Vol18,	0.367	SCIE
11	Dr. S. Eswaramoorthi	Impact of stratifications and chemical reaction on convection of a non-Newtonian fluid in a Riga plate with thermal radiation and Cattaneo-Christov flux	Journal of Thermal Analysis and Calorimetry	1588-2926	1.62	SCIE
12	Dr. S. Eswaramoorthi	Impact of double-diffusion and second order slip on convection of chemically reacting Oldroyd-B liquid with Cattaneo-Christov dual flux	Thermal Science	Vol. 25, No. 5B, pp. 3729-3740	1.39	SCIE
13	Mrs. S. Gokilamani	Total Coloring of Comb related Graphs	International Journal of Creative Research Thoughts	ISSN: 2320-2882 Volume 10 Issue 5 May 2022	7.97	UGC

10. Staff Internship

S. No.	Name of the Faculty	Name of the Internship/Fellowship	Duration	Venue
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11. Research Funding

S. No.	Name of the Faculty	Name of the project / scheme	Sanction No. and Date	Funding body	Amount
-	-	-	-	-	-

12. Staff / Student Consultancy

S. No.	Name of the Staff / Student	Area of Consultancy	Duration	Place where Consultancy was offered	Amount
-	-	-	-	-	-

13. Co-curricular Activities

S. No.	Name of the Event	Date	Venue	Prize won
1	-	-	-	-

14. Students Participation

S. No.	Date	Name of the Students	Event	College	Inter Collegiate / Inter Departmental	Prizes won
1	26-Jan-22	Indhumathi M	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 8
2	26-Jan-22	Jency G	Natinal Creativity	International forum for excellence in Higher	National Creativity Aptitude Test 2022 - All	All India rank 13

			Aptitude Test	Education	India Rank Certificate	
3	26-Jan-22	Keerthana K	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 7
4	26-Jan-22	Sree Sankari S	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 10
5	26-Jan-22	Ragavenda Vignesh K	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 11
6	26-Jan-22	Sowmiya K	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 16
7	26-Jan-22	Ranjith M	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 20
8	26-Jan-22	Viviliya S	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 55
9	26-Jan-22	Indhurekha P	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 14
10	26-Jan-22	Swetha S	Natinal Creativity Aptitude Test	International forum for excellence in Higher Education	National Creativity Aptitude Test 2022 - All India Rank Certificate	All India rank 19
11	19-Aug-21	Naveena D	Master Class on P2B#151 Google Colab	Perfect Plan B ELearning Private Limited	Online Course	Participate Certificate

			Machine Learning App			
12	22-Jul-21	Velu.M	E-Quiz :Math aptitude	R.M.K Engineering college	Inter Collegiate	Participate Certificate
13	29-Jun-21	S.T.Jayabharathi	Statisitice E quiz	PSGR Krishnammal college	Inter Collegiate	Participate Certificate
14	8-Jun-21	Velu.M	E-Quiz :Mental ability	Government Science College	Inter Collegiate	Participate Certificate
15	5-Jun-21	Naveena D,Varshini.M	Quiz on online learning	PSGR Krishnammal college	Inter Collegiate	Participate Certificate
16	5-Jun-21	R S Hari, Velu.M	Quiz on Ecosystem	Bishop Amrose college	Inter Collegiate	Participate Certificate

15. Students Counseled

S. No.	Name of the class	Number of Students
-	-	-

16. Book Publications:

S.No	Date	Name of the staff	Name of the Book	Name of the Publisher
-	-	-	-	-

17. MoUs Details

S. No.	Date	Name of the Institution/ University/ Research Lab/ Industries	Purpose	Name of the Department	Beneficiary
-	-	-	-	-	-