



DEPARTMENT OF MATHEMATICS

SRI CHANDRASEKHARENDRA SARASWATHI VISWA MAHAVIDYALAYA (SCSVMV)

(Deemed to be University u/s 3 of UGC Act 1956) (Accredited with "A" Grade by NAAC)
Enathur, Kanchipuram-631561.

Patron :

His Holiness Sankara Vijayendra Saraswathi
Swamigal

Chairman :

Prof. Dr. S. Jayarama Reddy, Chancellor,
SCSVMV

President :

Prof. Dr. S. V. Ragavan, Vice - Chancellor,
SCSVMV

Advisory Board :

Prof. Dr. G. Srinivasu, Registrar, SCSVMV
Prof. Dr. S. Balaji, Dean, Faculty of Science,
SCSVMV

Chief Editor :

Prof. Dr. K. Srinivasa Rao

Head, Dept. of Mathematics

Issue Editor :

Dr. P. Nagarajan

Editorial Board :

Dr. N. Saradha

Dr. P. Balaji

Dr. D. Vijayalakshmi

Dr. E. Geetha

Dr. R. Mageswari

Dr. K. Pramila

Dr. A. Gayathri

Dr. J. Sengamalaselvi

Dr. V. K. Radhakrishnan

Dr. A. Dhanalakshmi

Dr. K. Bharathi

Dr. T. N. Kavitha

GANITHVAARTHA

Issue-XI

July–December 2021

ABOUT THE DEPARTMENT

The department of Mathematics, established in the year 1994, aims to impart state of the art knowledge, practical skills in the latest advancements in the respective domain to achieve excellence in both academic and research perspectives. The department fosters excellence in B.Sc., M.Sc., and Ph.D (Regular and Part time) and acts as a supporting department to all Engineering courses, B.Sc.(CS), B.C.A, M.C.A and M.B.A. The department has qualified and goal-oriented 14 faculty members who are actively involved in research in diverse areas such as Algebra, Graph Theory, Queuing Theory and Operations Research. Interdisciplinary research is also encouraged. The department is strengthened by faculty team of 14 doctorates. So far 34 Ph.D degrees have been awarded and five scholars are pursuing research under the department. The focus on research promotes the publications and 297 research papers were published in the last five years.

GREETINGS FROM DEPARTMENT CHAIR

It is a great pleasure to extend my heartfelt greetings to the readers of the eleventh edition of Ganithavaartha, department newsletter. I sincerely hope that you will enjoy reading about the accomplishments of our faculty. The newsletter is published twice in a year. This issue contains the activities about our department from July to December, 2021. The department is regularly organizing workshops, seminars, quality enrichment programs, research colloquiums etc., to be familiar in the latest trends in mathematics and career guidance programs and skill development courses are introduced for our students to face the competitive world. Also, our students are encouraged to actively participate in various competitions organized by other departments and to present papers in conferences and seminars.

*Dr. K. Srinivasa Rao***FACULTY TEAM**

S.No.	Name	Designation	Area of Specialization
1.	Prof. Dr. K. Srinivasarao	Professor & Head	Algebra
2.	Dr. N. Saradha	Assistant Professor	Graph Theory
3.	Dr. P. Nagarajan	Assistant Professor	Queuing Theory
4.	Dr. P. Balaji	Assistant Professor	Petri Nets
5.	Dr. D. Vijayalakshmi	Assistant Professor	Graph Theory
6.	Dr. E. Geetha	Assistant Professor	Fluid Dynamics
7.	Dr. R. Mageswari	Assistant Professor	Graph Theory
8.	Dr. K. Pramila	Assistant Professor	Fuzzy Set Theory
9.	Dr. A. Gayathri	Assistant Professor	Mathematical Physics
10.	Dr. J. Sengamalaselvi	Assistant Professor	Applied Mathematics using ICT
11.	Dr. V. K. Radhakrishnan	Assistant Professor	Operations Research
12.	Dr. A. Dhanalakshmi	Assistant Professor	Graph Theory
13.	Dr. K. Bharathi	Assistant Professor	Operations Research
14.	Dr. T. N. Kavitha	Assistant Professor	Algebra

OUTREACH PROGRAMMES

1. Dr.K.Srinivasa Rao acted as resource person in the five days online national level short term training program on "Matrix method of structural analysis by using MATLAB" held from 30.07.21 to 03.08.21. Organized by department of Civil and Structural Engineering, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur, Kanchipuram, Tamil Nadu.
2. Dr.K.Srinivasa Rao acted as chair person in the 3rd international conference on "Mathematical physical and computational sciences-2021" held from 27.08.21 to 28.08.21. Organized by Andhra Pradesh and Telangana Society for Mathematical Sciences(APTMS).
3. Dr.K.Srinivasa Rao delivered invited talk in the international conference on "Recent advances in basic and applied sciences" held from 27.08.21 to 28.08.21. Organized by Faculty of Sciences, Baba Mastnath University, Rohtak, Haryana.
4. Dr.K.Srinivasa Rao acted as resource person in the value added course on "MATLAB" held from 13.09.21 to 15.09.21. Organized by the department of Mathematics, Sir C.R. Reddy College, Eluru, Andhra Pradesh.
5. Dr.K.Srinivasa Rao acted as resource person in the national level webinar on "Basics of MATLAB" held on 10-12-21. Organized by the department of Mathematics, V.K.V Government Degree College, Kothapeta, East Godavari District, Andhra Pradesh.
6. Dr.P.Balaji acted as member of "BOS meeting" held on 06.08.21. Organized by the department of Mathematics, Sri Manakula Vinayagar College of Engineering, Pondicherry.
7. Dr.D.Vijayalakshmi acted as resource person in the hands on training program on "MATLAB and its applications" held on 03.11.21. Organized by PG & research department of Mathematics, Jamal Mohamed College, Tiruchirapalli, Tamil Nadu.
8. Dr.J.Sengamalaselvi acted as resource person in the national workshop on "Open source Mathematics software and its application" held from 22.10.21 to 23.10.21. Organized by the department of Mathematics, St.Peter's Institute of Higher Education Research, Chennai..
9. Dr.J.Sengamalaselvi acted as resource person in the hands on training program on "MATLAB and its applications" held on 02.11.21. Organized by PG & research department of Mathematics, Jamal Mohamed college, Tamil Nadu .
10. Dr.A.Danalakshmi acted as resource person in the 2nd national workshop on "Open source Mathematics software and its applications" held from 22.10.21 to 23.10.21. Organized by the department of Mathematics, St.Peter's Institute of Higher Education and Research, Chennai.

11. Dr.A.Danalakshmi acted as resource person in the hands on training program on "MATLAB and its applications" held on 01.11.21. Organized by PG & research department of Mathematics, Jamal Mohamed College, Tiruchirappalli.
12. Dr.K.Bharathi acted as resource person in the workshop on "MATLAB and it's applications" held from 01.11.21 to 03.11.21. Organized by PG & research department of Mathematics, Jamal Mohamed College, Affiliated to Bharathidasan University, Tiruchirappalli.
13. Dr.T N Kavitha acted as resource person in the national level webinar on "Recent trends in statistical theory and applications" held on 08.07.21. Organized by Rathinam College of Arts and Science, Coimbatore. Tamil Nadu.
14. Dr.T N Kavitha acted as resource person in the webinar on "A brief acquire of discrete Mathematical structures" on 24.07.21. Organised by Sairam Engineering Institute of Technology, Tambaram, Chennai.
15. Dr.T N Kavitha acted as resource person in the "Free online class for govt school students" held on 14.08.21. Organised by Universal Teachers Academy (UTA), Puducherry.
16. Dr.T N Kavitha acted as resource person in the 2nd national workshop on "Open source Mathematics software and its applications" held from 22.10.21 to 23.10.21. Organized by the department of Mathematics, St.Peter's Institute of Higher Education and Research, Chennai.
17. Dr.T N Kavitha acted as resource person in the webinar on "Recent trends in Mathematics" held on 07.09.21. Organised by Vidhya Sagar Women's College, G.S.T Road, Chengalpattu.
18. Dr.T N Kavitha acted as resource person in the hands on training program on "MATLAB and it's applications" held from 01.11.21 to 03.11.21. Organized by PG & research department of Mathematics, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu.
19. Dr.T N Kavitha acted as resource person in the webinar series on "Mathematics in ancient India" held on 16.12.21. Organized by Siksha Sanskriti Utthan Nyas (SSUN- VM), Tamil Nadu.

JOURNAL PUBLICATION

1. Dr.V.K.Radhakrishnan published a paper entitled "Monte-Carlo Simulation Study on the Queuing Model of Kanchi Kamakshi Temple" in the Mukta-Shabd Journal, Vol. X, Issue VII, page 27-34, July 2021. ISSN No. 23473150 . Journal link : <http://shabdbooks.com/>
Paper Link: <https://app.box.com/s/mkl4pwwfqe8bd7jyzrvrhm5gdi8mwwv50r>

**FULL PAPAER PUBLICATION IN
PROCEEDINGS**

1. Dr.T N Kavitha published a paper entitled "A left (right) normal near idempotent semi group" in the proceedings of the 6th international conference on "Combinatorics, Cryptography, Computer Science and Computing" held from 17.11.21 to 18.11.21.
2. Dr. T N Kavitha published a paper entitled "A left (right) singularity of near idempotent semi group" in the proceedings of the international virtual conference on "Progress in Mathematics towards industrial applications-PMTIA-2021" held from 29.10.21 to 30.10.21.

PAPER PRESENTED BY FACULTIES

1. Dr. K. Srinivasa Rao presented a paper entitled "Maximum degree energy of shadow graphs" in the international conference on Mathematics, Statistics & Computer Science held from 09.07.21 to 10.07.21. Organized by IMRF Institute of Higher Education and Research, Vijayawada, Andra Pradesh..
2. Dr.E.Geetha presented a paper entitled "Thermal energy and mass transfer effects on MHD nanofluid flow over an oscillating plate with radiation" in the international virtual conference on mathematical and computational models – ICMCM21 held from 29.10.21 to 30.10.21. Organized by the department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu and Kongunadu Arts and Science College, Coimbatore, Tamil Nadu.
3. Dr.E.Geetha presented a paper entitled "Impact of heat and mass transfer on MHD flow of nanofluid over an impulsively started infinite vertical plate" in the international virtual conference on mathematical and computational models – ICMCM21 held from 29.10.21 to 30.10.21. Organized by the department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu and Kongunadu Arts and Science College, Coimbatore, Tamilnadu.
4. Dr.R.Mageswari. presented a paper entitled "Application of randic molecular connectivity index in the study of structural similarity / dissimilarity of proteins" in the international virtual conference on mathematical and computational models – ICMCM'21 held from 29.10.21 to 30.10.21. Organized by the department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu and Kongunadu Arts and Science College, Coimbatore, Tamilnadu.

5. Dr.J.Sengamalaselvi presented a paper entitled "A study on intuitionistic fuzzy soft matrices in day today life" in the international virtual lecture series on wavelet transforms and image processing held from 09.08.21 to 12.08.21. Organized by department of Mathematics, Al-Ameen College Edathal Mahatma Gandhi University.
6. Dr.J.Sengamalaselvi presented a paper entitled "Application of intuitionistic fuzzy soft matrices in the field of medical diagnosis for covid-19 patients" in the second national virtual conference on recent advances in technology & engineering (CRATE-2021) held from 13.08.21 to 14.08.21. Organized by department of Humanities & Sciences, VEMU Institute of Technology, Chittor, Andra Pradesh.
7. Dr.J.Sengamalaselvi presented a paper entitled "Introduction of fuzzy soft matrices and its properties " in the international virtual conference on emerging trends in statistics and data science held from 07.09.21 to 10.09.21, in conjunction with 40th annual convention of Indian Society for Probability & Statistics. Jointly organized by the departments of Statistics, Cochin University of Science & Technology, Cochin M.D. University, Rohtak University of Kerala, Trivandrum, Bharathiar University, Coimbatore, The Madura College (Autonomous), Madurai.
8. Dr.A.Danalakshmi presented a paper entitled "Laplacian common neighborhood Eigen values of a graph" in the international lecture series on wavelet transforms and image processing held from 09.08.21 to 12.08.21. Organized by post graduate department of Mathematics , Al Ameen College, Edathala.
9. Dr.A.Danalakshmi presented a paper entitled "ISI index of hexagonal chain" in the second national virtual conference on recent advances in technology & engineering (CRATE-2021) held 13.08.21 to 14.08.21. Organized by department of Humanities & Sciences, VEMU Institute of Technology, Chittor, Andra Pradesh.
10. Dr.A.Danalakshmi presented a paper entitled "ISI index of Jahangir graph" in the international conference on mathematical and computational models ICMCM-21 held from 29.10.21 to 30.10.21. Organized by department of Mathematics, Kongunadu Arts and Science College, Coimbatore.
11. Dr.K.Bharathi presented a paper entitled "Study and analyses of methodology in graph coloring model in its applications" in the international lecture series on wavelet transforms and image processing held from 09.08.21 to 12.08.21. Organized by post graduate department of Mathematics Al-Ameen College Edathala.

12. Dr.K.Bharathi presented a paper entitled "Model of flow network as linear programming and its solution" in the second national virtual conference on recent advances in technology & engineering (CRATE-2021) held from 13.08.21 to 14.08.21. Organized by department of Humanities & Sciences ,VEMU Institute of Technology, Chittoor, Andra Pradesh.
13. Dr.K.Bharathi presented a paper entitled "Maximum flow problem analysis and its application" in the international webinar on emerging trends in statistics and data science held from 07.09.21 to 10.09.21, in conjunction with 40th annual convention of Indian Society for Probability & Statistics (ISPS), Jointly organized by the departments of Statistics, Cochin University of Science & Technology, Cochin M.D. University, Rohtak University of Kerala, Trivandrum, Bharathiar University, Coimbatore, The Madura College (Autonomous), Madurai.
14. Dr. T. N. Kavitha presented a paper entitled "A new descriptor of near idempotent semi group titled near null semi group" in the e-conference on discrete Mathematics & Combinatorics -2021 held from 22.07.21 to 23.07.21. Organized by the department of Mathematics, Poornapraja College & post graduate Centre, Udupi, India.
15. Dr. T. N. Kavitha presented a paper entitled "A left (right) singularity of near idempotent semi group" in the international virtual conference on progress in Mathematics towards industrial applications (PMTIA-2021)" held from 29.10.21 to 30.12.21. Organized by the department of Mathematics, SRMIST, Ramapuram, Chennai.
16. Dr. T. N. Kavitha presented a paper entitled "A left (right) normal near idempotent semi group" in the 6th international conference on Combinatorics, Cryptography, Computer Science and Computing -2021 held from 17.11.21 to 18.11.21. Organized by school of Mathematics, Iran University of Science & Technology, Tehran, Iran.
17. Dr. T. N. Kavitha presented a paper entitled "An aspect of near - commutative near idempotent semi group" in the 1st national conference on emerging vistas of computer science & information technology in 21st century held on 18.12.21. Organized by Faculty of Information Technology and Computer Science, Parul University, Vadodara, Gujarat.

AWARDS RECEIVED BY FACULTY

1. Dr.A.Gayathri received the award entitled "International Young Women Researcher" from Global Annual Education & Research Excellence Awards 2021 - CPACE during Dec 2021

PROGRAMS ATTENDED BY FACULTIES

1. Dr.K .Srinivasa rao participated in the seven day national level online faculty development program on "Computational tools for applied Mathematics and engineers" held from 15.07.21 to 21.07.21, Organized by department of Mathematics, School of Foundational Sciences, Kumaraguru College of Technology Coimbatore,.
2. Dr.P.Nagarajan participated in the science academy refresher course on "Differential equation and its applications" held from 11.08.21 to 26.08.21. Organized by department of Mathematics, Dr.N.G.P. Arts and Science College, Kalipati, Coimbatore. Tamil Nadu.
3. Dr.P.Nagarajan participated in the webinar on "Outcome based education" held on 21.10.21. Organized by IQAC, SCSVMV. Enatur, Kanchipuram.
4. Dr.P.Balaji participated in the faculty development program on "Re-vitalizing education during pandemic and beyond" held from 23.07.21 to 25.07.21. C.Abdul Hakeem College of Science and Technology. Melvishram, Tamil Nadu.
5. Dr.P.Balaji, participated in the faculty development program on "Tigers and tiger reserves" held from 25.07.21 to 29.07.21.Organized by Rathinam College of Arts and Science, Coimbatore, Tamil Nadu.
6. Dr.P.Balaji, participated in the webinar on "Mind blowing faces of Mathematic" held on 06.08.21. Organized by Sri Malolan College Of Arts And Science, Maduranthagam.
7. Dr.D.Vijayalakshmi participated in the five days e-workshop on "LATEX" held from 05.07.21 to 09.07.21. Organized by the department of Mathematics, School of Science, GITAM, Bengaluru, India.
8. Dr.D.Vijayalakshmi participated in the workshop on "Innovative practices & modern methods in teaching & learning of mathematics education" held on 16.07.21. Organized by the department of Mathematics, Rathinam College of Arts and Science, Coimbatore, Tamil Nadu.
9. Dr.D.Vijayalakshmi participated in the webinar on "Fuzzy modeling in multi-criteria decision making" held on 18.12.21. Organized by the department of Mathematics, Kongu Engineering College, Perundurai.
10. Dr.D.Vijayalakshmi participated in the webinar on "Essentials of Mathematics for machine learning" held on 06.08.21. Organized by department of Mathematics, Government Arts College, Udhamandalam.

11. Dr.D.Vijayalakshmi participated in the webinar on " Introduction to patents" held on 24.07.21. Organized by department of Computer Science and Engineering and SOLUTIONS4URIP, SCSVMV, Enathur, Kanchipuram.
12. Dr.D.Vijayalakshmi participated in the three days national level short term training program on "Quality enhancement of research in HEIs" held from 23.09.21 to 25.09.21. Organized by department of Mathematics, PSGRKCW, Coimbatore (Under UGC-Paramarsh Scheme).
13. Dr.D.Vijayalakshmi participated in the faculty development program on "Cognizant of Mathematica / software and its applications" held from 21.10.21 to 22.10.21. Organized by department of Mathematics in association with Consortium for Technical Education. RD National College of Arts and Science, Erode, Tamil Nadu.
14. Dr.D.Vijayalakshmi participated in the ten days international virtual faculty development program on "Frontiers of Mathematics" held from 19.07.21 to 28.07.21. Organized by the department of Mathematics, SRMIST, Ramapuram, Chennai.
15. Dr.D.Vijayalakshmi participated in the online faculty development program on "Tricks and tips for research IDs generation" held 13.07.21. Organized by department of Commerce and Economics. Bharath Institute of Higher Education and Research, Deemed to be University, Chennai.
16. Dr.D.Vijayalakshmi participated in the six day online faculty development program on "Mathematics and statistics in emerging field" held from 05.07.21 to 10.07.21. Organized by department of Mathematics, KPR Institute of Engineering and Techonology, Coimbatore.
17. Dr.D.Vijayalakshmi participated in the two days virtual faculty development program on "Teaching learning process through revised blooms taxonomy" held from 01.07.21 to 02.07.21. Organized by department of Mathematics, Dr.N.G.P. Institute of Technology, Coimbatore.
18. Dr.E.Geetha participated in the online workshop on "Innovative practices and modern methods in teaching & learning of mathematics education" held on 16.7.2021. Organized by department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
19. Dr.E.Geetha participated in national workshop on "Recent advances and computational tools in Mathematics & research" held from 22.07.21 to 23.07.21. Organized by department of Applied Science, SAGAR Group of Institutions.
20. Dr.E.Geetha participated three days national e–workshop on "Sagemath" held from 22.07.21 to 24.7.21. Organized by Thassim Beevi Abdul Kadar College for Women, Kilakarai, Ramanathapuram.

21. Dr.E.Geetha participated in two days national level workshop on "Sagemath for Calculus" held from 05.08.21 to 06.08.21. Organized by PG & research department of Mathematics, Dwaraka Doss Goverdhan Doss Viashnav College, Chennai.
22. Dr.E.Geetha participated in the third national workshop on "Linear algebra" held from 05.8.21 to 06.08.21. Organized by department of Mathematics, SSN college of Engineering, Kalavakkam.
23. Dr.E.Geetha participated in the national level webinar on "Recent trends in statistical theory and applications" held from 08.07.21 to 09.07.21. Organized by department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
24. Dr.E.Geetha participated in the one day webinar on "Career opportunity for mathematician post covid-19" held on 10.07.21. Organized by department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
25. Dr.E.Geetha participated in the webinar series on "Iyarkaikaga oru mani neram" held on 18.07.2021. Organized by Mind Blowing Faces of Mathematics, National Service Scheme and Nature Club of Rathinam College of Arts and Science, Coimbatore.
26. Dr.E.Geetha participated in the webinar on " Food for healthy life" held on 21.07.21. Organized by National Service Scheme and Nature Club of Rathinam College of Arts and Science, Coimbatore.
27. Dr.E.Geetha participated in the webinar on "Introduction to patents" held on 24.07.21. Organized by department of Computer Science and Engineering and SOLUTIONS4URIP, SCSVMV, Enathur, Kanchipuram.
28. Dr.E.Geetha participated in the special lecture on "Complex analysis and it applications with respect to Mathematical software" held on 24.07.2021. Organized by department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
29. Dr.E.Geetha participated in the webinar on "Development of governing equations of fluid flow" held from 02.08.21 to 03.08.21. Organized by department of Mathematics, KPR Institute of Engineering and Technology, Coimbatore.
30. Dr.E.Geetha participated in the webinar on "Relevance of Mathematics in control systems" held on 07.8.2021. Organized by KPR Institute of Engineering and Technology, Coimbatore.
31. Dr.E.Geetha participated in the webinar on "Artificial intelligence and machine learning for industry applications" held on 27.10.21. Organized by department of Mathematics, Rathinam College of Arts and Science, Coimbatore.

32. Dr.E.Geetha participated in the webinar on "Fuzzy-modeling in multi-criteria decision making" held on 18.12.21. Organized by department of Mathematics, Kongu Engineering College, Erode.
33. Dr.E.Geetha participated in the five days national faculty development program on "Modern methods for effective teaching and learning" held from 17.08.21 to 21.08.21. Organized by All India Teachers Association and department of Mathematics, Rathinam College of Arts and Science, Coimbatore .
34. Dr.E.Geetha participated in the three days national faculty development program on "Statistical thought processing" held from 04.10.21 to 06.10.21. Organized by Aurora's Degree & PG College, Hyderabad.
35. Dr.R.Mageswari participated in the workshop on "Sampling and average sampling: an introduction" held on 21.07.21. Organized by Hindusthan College of Engineering and Technology, Coimbatore.
36. Dr.R.Mageswari participated in the webinar on "Introduction to patents" held on 24.07.21. Organized by department of Computer Science, SCSVMV, Enathur, Kanchipuram.
37. Dr.R.Mageswari participated in the national level webinar on "Mathematics and Ramanujan" held on 27.12.21. Organized by Saradha Vilas College, Mysuru.
38. Dr.R.Mageswari participated in the international virtual conference on "Application of Mathematics" held on 04.09.21. Organized by Government Arts College, Tiruchirapalli.
39. Dr.R.Mageswari participated in the five days national level faculty development program on "Modern methods for effective teaching and learning" held from 17.08.21 to 21.08.21. Organized by All India Ideal Teachers Association and Rathinam College of Arts and Science, Coimbatore.
40. Dr.K.Pramila participated in the international workshop on "Metadata standards for palm leaf manuscripts" held from 08.07.21 to 09.07.21. Sponsored by Meity under project Saswathaiswaryam (Eternal- Treasure). Organized by Palm Leaf Library and Research Center, SCSVMV, Enathur, Kanchipuram.
41. Dr.K.Pramila participated in the webinar on "Outcome based education" held on 21.10.21. Organized by IQAC, SCSVMV, Enathur, Kanchipuram.
42. Dr.K.Pramila participated in the national webinar on "Research trends in Mathematics - 2021" held 01.12.21. Organized by PG and research department of Mathematics, Auxilium College (Autonomous), Vellore.

43. Dr.A.Gayathri participated in the online course on "Engineering Mathematics-I" held from July to October [Three month duration], 2021. Organized by Indian Institute of Technology, Kharagpur. (Offered through NPTEL (SWAYAM))
44. Dr.A.Gayathri participated in the refresher course on "Mathematics" held from August to September, 2021[Two weeks]. Organized by Teaching Learning Centre, Ramanujan College, University of Delhi, India. (Offered through Ministry of Education)
45. Dr.A.Gayathri participated in the online course on "Differential equations for engineers" held during July 2021 [One Month Course]. Organized by The Hong Kong University of Science and Technology. (Offered through COURSERA)
46. Dr.J.Sengamalaselvi participated in the one week faculty development program on "Recent trends in application of Mathematics" held from 12.07.21 to 17.07.21. Organized by department of Freshman Engineering, Chadalawada Ramanamma Engineering College , Tirupati.
47. Dr.J.Sengamalaselvi participated in the six days faculty development program on "Mathematics and statistics in emerging field" held from 05.07.21 to 10.07.21 . Organized by department of Mathematics, KPR Institute of Engineering and Technology, Coimbatore.
48. Dr.J.Sengamalaselvi participated in the three days workshop on "An overview of Mathematical software and its applications" held from 26.07.21 to 28.07.21. Organized by department of Applied Sciences , Sagar Institute of Research and Technology , Bhopal.
49. Dr.J.Sengamalaselvi participated in the ten days international virtual faculty development program on "Frontiers of Mathematics" held from 19.07.21 to 28.07.21. Organized by department of Mathematics, SRM Institute of Technology, Chennai.
50. Dr.J.Sengamalaselvi participated in e-workshop on "Effective pedagogy: creating corporate ready professionals" held on 14th August 2021. Organized by department of Applied Sciences , Sagar Institute of Research and Technology , Bhopal.
51. Dr.J.Sengamalaselvi participated in the five days e-workshop on "LATEX" held from 05.07.21 to 09.07.21. Organized by department of Mathematics, School of Science, GITAM, Bengaluru.
52. Dr.J.Sengamalaselvi participated in the e-workshop on "New advances in Mathematical and computational sciences" held from 13.09.21 to 18.09.21. Organized by department of Applied Sciences, Yogi Vemana University, Kadapa, India.
53. Dr.J.Sengamalaselvi participated in the webinar on "Career opportunity for Mathematician post Covid-19" held on 10.07.2021. Organized by the department of Mathematics, Rathinam College of Arts and Science, Coimbatore.

54. Dr.J.Sengamalaselvi participated in the national webinar on "Recent trends in statistical theory and applications" held from 08.07.21 to 09.07.21. Organized by the department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
55. Dr.J.Sengamalaselvi participated in the webinar on "Application of Laplace transforms in the field of engineering" held on 13.08.21. Organized by department of Science and Humanities, Nehru Institute of Engineering and Technology .Dr.J.Sengamalaselvi participated in the national webinar on "DISHA–A way for women protection from harassment" held on 18.08.21. Jointly organized by the IQAC and Women Cell, Yogi Venama University, Kadapa.
56. Dr.J.Sengamalaselvi participated in the national webinar on "The precautionary measures to avoid Covid–19 third wave" held on 30.07.21. Organized by Women Cell, Yogi Venama University, Kadapa.
57. Dr.J.Sengamalaselvi participated in the webinar on "Operation research through Microsoft Excel and solver" held on 23.10.21. Organized by Anjuman-I_Islam’s, Kalsekar Technical Campus, New Panvel.
58. Dr.J.Sengamalaselvi participated in the special lecture on "Complex analysis and its application with respect to Mathematical software" held on 24.07.21. Organized by department of Mathematics , Rathinam College of Arts and Science, Coimbatore.
59. Dr.J.Sengamalaselvi participated in the international level lecture series on "Wavelet transform and image processing" held from 09.08.21 to 12.08.21. Organized by post graduate department of Mathematics, Al-Ameen College of Edathala.
60. Dr.V.K.Radhakrishnan participated in the webinar on "Importance of tiger in food chain" held on 27.07.21. Organized by National Service Scheme & Nature Club of Ratinam College of Arts & Science, Coimbatore.
61. Dr.A.Dhanalakshmi participated in the five days e-workshop on "LATEX" held from 05.07.21 to 09.07.21. Organized by the department of Mathematics, School of Science, GITAM, Bengaluru, India.
62. Dr.A.Dhanalakshmi participated in the three days workshop on "An overview of Mathematical software and its applications" held from 26.07.21 to 28.07.21. Organized by department of Applied Sciences, Sagar Institute of Research & Technology, Bhopal.
63. Dr.A.Dhanalakshmi participated in the two days national level workshop on "Sagemath for calculus" held from 05.08.21 to 06.08.21. Organized by PG & research department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College.

64. Dr.A.Dhanalakshmi participated in the one week virtual international lecture workshop on "New advances in Mathematical and computational sciences (NAMCS-2021)" held from 13.09.21 to 18.09.21. Organized by department of Applied Mathematics, Yogi Vemana University, Kadapa, Andra Pradesh. India.
65. Dr.A.Dhanalakshmi participated in the one week faculty development program on "Recent trends in applications of Mathematics (RTAM)" held from 12.07.21 to 17.07.21. Organized by department of Freshman Engineering, Chadalawada Ramanamma Engineering College(Autonomous), Tirupati.
66. Dr.A.Dhanalakshmi participated in the ten days international virtual faculty development program on "Frontiers of Mathematics" held from 19.07.21 to 28.07.21. Organized by department of Mathematics, SRMIST, Ramapuram, Chennai.
67. Dr.A.Dhanalakshmi participated in the five days national level faculty development program on "Modern methods for effective teaching & learning" held from 17.08.21 to 21.08.21. Organized by All India Ideal Teachers Association and department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
68. Dr.A.Dhanalakshmi participated in the eight days faculty development program on "Adoptive approaches for modern teaching and research" held from 15.11.21 to 23.11.21. Organized by the Centre for Research and Development & Institution's Innovation Council.
69. Dr.A.Dhanalakshmi participated in the national level webinar on "Recent trends in statistical theory and applications" held from 08.07.21 to 09.07.21. Organized by department of Mathematics, Rathinam College of Arts & Science, Coimbatore.
70. Dr.A.Dhanalakshmi participated in the webinar on "Career opportunity for Mathematician post Covid-19" held 10.07.21. Organized by department of Mathematics, Rathinam College of Arts & Science, Coimbatore.
71. Dr.A.Dhanalakshmi participated in webinar on "Environment conservation" held on 22.08.21. Organized by National Service Scheme & Nature Club of Rathinam College of Arts & Science, Coimbatore.
72. Dr.A.Dhanalakshmi participated in the webinar on "Graph theoretical concepts in Python network X" held on 23.08.21. Organized by department of Mathematics, KSG College Arts and Science, Coimbatore.
73. Dr.A.Dhanalakshmi participated in the webinar on "Outcome based education" held on 21.10.21. Organized by IQAC, SCSVMV, Enathur, Kanchipuram.

74. Dr.A.Dhanalakshmi participated in the webinar on "Operation research through Microsoft Excel and solver" held on 25.10.21. Organized by Anjuman-I-Islam's Kalsekar Technical Campus, New Panvel.
75. Dr.A.Dhanalakshmi participated in the one-day national level webinar on "Reproductive choice of women : a fundamental right" held on 11.11.21. Sponsored by National Commission for Women (NCW), New Delhi and Organized by department of Business Management, Yogi Vemana University, Kadapa, YSR District, Andra Pradesh, India.
76. Dr.K.Bharathi participated in the national level five days e-workshop on "LATEX" held from 05.07.21 to 09.07.21. Organized by department of Mathematics, School of Science, GITAM Bengaluru, India.
77. Dr.K.Bharathi participated in the three days national e-workshop on "SAGEMATH" held from 22.07.21 to 24.07.21. Organized by department of Mathematics, Thassim Beevi Abdul Kader College for Women, Kilakarai.
78. Dr.K.Bharathi participated in the two days national workshop on "Blended learning through E-assessment Moodle" held from 12.08.21 to 13.08.21. Organized by department of Mathematics, SRMIST, Ramapuram, Chennai.
79. Dr.K.Bharathi participated in the six days virtual workshop on "Emerging trends in automotive sector" held from 30.08.21 to 04.09.21. Organized by department of Automobile Engineering, Sathyabama Institute of Science and Technology, Chennai.
80. Dr.K.Bharathi participated in the one week virtual international lecture workshop on "New advances in Mathematical and computational sciences(NAMCS-2021)" held from 13.09.21 to 18.09.21. Organized by department of Applied Mathematics, Yogi Vemana University, Kadapa, Andra Pradesh. India.
81. Dr.K.Bharathi participated in the NAAC sponsored one-day online seminar on "Qualitative & quantitative metrics in RAAF of NAAC" held on 17.09.21. Organized by IQAC Team , Rajalakshmi Engineering College Chennai.
82. Dr.K.Bharathi participated in the international virtual conference on "Application of Mathematics" held on 04.09.21. Organized by PG and research department of Mathematics & IQAC of Government Arts College, Triuchirappalli.
83. Dr.K.Bharathi participated in the international conference on "Human rights fundamentals : the indian perspective" held on 04.09.21. Organized by department of Social Work & English, Kodaikanal Christian College. Kodaikanal.

84. Dr.K.Bharathi participated in the special lecture on "Complex analysis & its applications with respect to Mathematical software" held on 24.07.21. Organized by department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
85. Dr.K.Bharathi participated in the one week faculty development program on "Recent trends in applications of Mathematics(RTAM)" held from 12.07.21 to 17.07.21. Organized by department of Freshman Engineering Chadalawada Ramanamma Engineering College, (Autonomous) Tirupati.
86. Dr.K.Bharathi participated in the ten days international virtual faculty development program on "Frontiers of Mathematics" held from 19.07.21 to 28.07.21. Organized by the department of Mathematics, SRMIST, Ramapuram, Chennai.
87. Dr.K.Bharathi participated in the faculty development program on "Recent advancement in computer science and technology" held from 02.08.21 to 06.8.21. Organized by department of Computer Science and Engineering Chadalawada Ramanamma Engineering College, (Autonomous) Tirupati.
88. Dr.K.Bharathi participated in the five days faculty development program on "Modern methods for effective teaching & learning" held from 17.08.21 to 21.08.21. Organized by All India Ideal Teachers Association and department of Mathematics Rathinam College of Arts and Science Coimbatore.
89. Dr.K.Bharathi participated in the one week faculty development program on "Software tools for Mathematical education" held from 30.08.21 to 08.09.21. Organized by department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam and Providence College for Women, Coonoor, Tamil Nadu, India.
90. Dr.K.Bharathi participated in the one week faculty development program on "IOT: past, present and future" held from 02.09.21 to 07.09.21. Organized by the department of Electronics and Communication Engineering in association with Industry Institute Partnership Cell (IIPC), B. P. Poddar Institute of Management & Technology, .
91. Dr.K.Bharathi participated in the two day national faculty development program on "Recent trends in optimization theory" held from 17.09.21 to 18.09.21. Organized by department of Mathematics, Aurora's Degree & PG College. Andra Pradesh.
92. Dr.K.Bharathi participated in the national level webinar on "Recent trends in statistical theory and applications" held from 08.07.21 to 09.07.21. Organized by department of Mathematics Rathinam College of Arts & Science Coimbatore.

93. Dr.K.Bharathi participated in the webinar on "Environment conservation" held on 22.08.21 . Organized by National Service Scheme & Nature Club of Rathinam College of Arts & Science Coimbatore.
94. Dr.K.Bharathi participated in the two day national webinar on "Dominations in graphs" held from 17.08.21 to 18.08.21. Organized by PG and research department of Mathematics, C.Abdul Hakeem College (autonomous), Melvisharam, Tamil Nadu.
95. Dr.K.Bharathi participated in the webinar on "Graph theoretical concepts in python network X" held on 23.08.21. Organized by department of Mathematics, KSG College Art and Science, Coimbatore.
96. Dr.K.Bharathi participated an expert talk on "Mental health for all" held on 09.10.21 Organized by department of Mathematics as part of World Mental Health Day, SRMIST, Ramapuram, Chennai.
97. Dr.K.Bharathi participated in the webinar on "Outcome based education" held on 21.10.21. Organized by IQAC Team, SCSVMV, Enathur, Kanchipuram.
98. Dr. T N Kavitha, participated in the ten days international virtual faculty development program on "Frontiers of Mathematics" held from 19.07.21 to 28.07.21. Organized by department of Mathematics, SRMIST, Ramapuram, Chennai.
99. Dr.T N Kavitha participated in the five days national level faculty development program on "Modern methods for effective teaching & Learning" held on 17.08.21. Organized by All India Ideal Teachers Association and department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
100. Dr.T N Kavitha participated in the one week faculty development program on "Software tools for Mathematical education" held from 30.08.21 to 05.09.21. Organized by department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam and Providence College for Women, Coonoor, Tamil Nadu, India.
101. Dr.T N Kavitha participated in the special lecture on "Complex analysis & its applications with respect to Mathematical software" held on 24.07.21. Organized by department of Mathematics, Rathinam College of Arts & Science, Coimbatore.
102. Dr. T N Kavitha participated in the webinar on "Tigers & tiger deserves -role in ecology" held on 28.07.21. Organized by National Service Scheme & Nature Club of Rathinam College of Arts & Science, Coimbatore.

103. Dr.T N Kavitha participated in the webinar on "Importance of tiger in food chain" held on 27.07.21. Organized by National Service Scheme & Nature Club of Rathinam College of Arts & Science, Coimbatore.
104. Dr.T N Kavitha participated in the webinar on "Importance of elephants for the life of forest" held on 28.07.21. Organized by National Service Scheme & Nature Club of Rathinam College of Arts & Science, Coimbatore.
105. Dr.T N Kavitha participated in the national level webinar on "Essential digital capabilities for innovative learning and research" held on 31.07.21. Jointly organized by IQAC and Innovation Cell, Yogi Vemana University, Kadapa.
106. Dr. T N Kavitha participated in the national level webinar on " Agri nano technologies & dielectric materials" held on 04.08.21. Organized by the department of Physics, University College of Science and Technology ANUR, Rajamahendravaram.
107. Dr.T N Kavitha participated in the international level lecture series on "Wavelet transforms and image processing" held from 09.08.21 to 12.08.21. Organized by the post graduate department of Mathematics, Al-Ameen College, Edathala.
108. Dr.T N Kavitha participated in the national level webinar on "central measures and its applications" held on 14.08.21. Organized by department of Mathematics, (Shift-II) in association with Internal Quality Assurance Cell of Guru Nanak College Autonomous, Velachery, Chennai.
109. Dr. T N Kavitha participated in the webinar on "Graph theoretical concepts in Python network X" held on 23.08.21. Organized by department of Mathematics, KSG College of Arts and Science, Coimbatore.
110. Dr. T N Kavitha participated in the webinar series on "Exploring new avenues of research in graph theory : Distance in graphs" held on 29.09.21. Organized by the department of Mathematics, Sathyabama Institute of science and Technology, Chennai.
111. Dr. T N Kavitha participated in the webinar series on "Outcome based education" held on 21.09.21. Organized by IQAC, SCSVMV, Enatur, Kanchiupuram.
112. Dr. T N Kavitha participated in the webinar series on "Operations research through excel solver" held on 23.10.21. Organized by Anjuman-I -Islamic Kalsekar Technical Campus, New Panvel.
113. Dr.T N Kavitha participated in the webinar on "Applications of number theory in cryptography" held on 18.12.21. Organized by department of Mathematics, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies(VISTAS).

114. Dr T N Kavitha participated in the five days e-workshop on "LATEX" held on 09.07.21. Organized by the department of Mathematics, School of Science, GITAM, Bengaluru, India.
115. Dr T N Kavitha participated in the workshop on "Innovative practices & modern methods in teaching & learning of mathematics education" held on 16.07.21. Organized by the department of Mathematics, Rathinam College of Arts and Science, Coimbatore.
116. Dr.T N Kavitha participated in the three days national level e-workshop on "An overview of Mathematical software and its applications" held from 26.07.21 to 28.07.21. Organized by Applied Sciences, Sagar Institute of Research & Technology, Bhopal.
117. Dr T N Kavitha participated in the three days national level workshop on "MATLAB for beginners" held 30.07.21 Organized by department of Mathematics, Srimad Andavan Arts and Science College, Thiruvanaikovil, Triuchirappalli.
118. Dr.T N Kavitha participated in the one day national level e-workshop on "Effective pedagogy: creating corporate ready professionals" held on 14.08.21. Organized by department of Applied Sciences, Sagar Institute of Research & Technology, Bhopal.
119. Dr.T N Kavitha participated in the two days national level e-workshop on "Application of numerical methods for medical science & engineering" held from 24.08.21 to 25.08.21. Organized by department of Sciences & Humanities, Swarnim Institute of Technology, Swarnim Startup & Innovation University, Bhayan Rathod, Gandhinagar.
120. Dr.T N Kavitha participated in the one week virtual international lecture workshop on "New advances in Mathematical and computational sciences(NAMCS-2021)" held from 13.09.21 to 18.09.21. Organized by department of Applied Mathematics, Yogi Vemana University, Kadapa, Andra Pradesh. India.
121. Dr.T N Kavitha participated in the one day free online workshop on "ICT course- level 1" held on 03.10.21. Organized by Universal Teachers Academy, Nilgiris.
122. Dr. T N Kavitha participated in the one day e-workshop on "National programme on technology enhanced learning (NPTEL)" held on 15.12.21. Organized by Sanjay Ghodawat University, Kolhapur in Association with NPTEL, IIT Madras.

**SUMMARY OF ACADEMIC ACHIEVEMENTS
DURING JANUARY-JUNE 2021**

Number of Publications	No. of paper presented in national/international conferences	No. of seminars/workshops etc., attended	No. of outreach activities	Awards received
01	17	122	19	1