



DEPARTMENT OF MATHEMATICS

SRI CHANDRASEKHARENDRASARASWATHI VISWA MAHAVIDYALAYA (SCSVMV)

(Deemed to be University u/s 3 of UGC Act 1956) (Accredited with "A" Grade by NAAC)
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GANITHA VAARTHA

Issue-VI

January - June 2019

ABOUT THE DEPARTMENT

The Department of Mathematics, established in 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 research programs (M.Phil. and Ph.D) and acts as a supporting department to all Engineering courses, B.Sc.(CS), B.C.A, M.C.A and department has qualified and goal-oriented 24 faculty members who are actively involved in diverse areas such as Algebra, Graph Theory, Queuing Theory and Operations Research. Interdisciplinary research is also encouraged. The department is strengthened by a faculty team of 24 members among which 17 are doctorates and 1 faculty member have registered for Ph.D. So far 29 Ph.D degrees have been awarded and more than twenty five scholars are pursuing research under the department. The focus on research promotes the publications and 248 research papers were published in the last five years.

GREETINGS FROM THE DEPARTMENT CHAIR

It is a great pleasure to extend my heart felt greetings to the readers of the sixth edition of Ganith Vaartha, 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 January to June, 2019. I am very happy to share that two of our staff members have defended their thesis during this period. 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

Sl.No.	Name	Designation	Area of Specialization
1.	Prof.Dr.T.Venugopal	Professor	Functional Analysis
2.	Prof.Dr.K.SrinivasaRao	Professor& Head	Algebra
3.	Dr.N.Saradha	AssistantProfessor	Graph Theory
4.	Dr.R.Malathi	Assistant Professor	Multi Valued Logic
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.P.Nagarajan	Assistant Professor	Queuing Theory
9.	Dr.P.Balaji	Assistant Professor	Petri Nets
10.	Dr. S. Vijayabarathi	Assistant Professor	Algebra
11.	Dr.K.Pramila	Assistant Professor	Fuzzy Set Theory
12.	Dr.J.SengamalaSelvi	Assistant Professor	Applied Mathematics using ICT
13.	Dr.V.K.Radhakrishnan	Assistant Professor	Operations Research
14.	Dr.A.Dhanalakshmi	Assistant Professor	Graph Theory
15.	Dr.K.Bharathi	Assistant Professor	Operations Research
16.	Dr.T.N.Kavitha	Assistant Professor	Algebra
17.	Dr.A.Gayathri	Assistant Professor	Mathematical Physics
18.	Mrs.B.Amudha	Teaching Assistant	Real Analysis
19.	Mr.K.Saravanan	Teaching Assistant	Graph Theory
20.	Mrs .A. Shakila	Teaching Assistant	Graph Theory
21.	Mrs.G.Subasri	Teaching Assistant	Graph Theory
22.	Mrs.P.Revathi	Teaching Assistant	Algebra
23.	Mr.A.Balamurugan	Teaching Assistant	Graph Theory
24.	Mrs. M.S.Tamilselvi	Teaching Assistant	Graph Theory

PROGRAMS ORGANIZED BY THE DEPARTMENT
INTERNATIONAL SEMINAR ON COMPLEX ANALYSIS (ISCA – 2019)
MARCH 22ND, 2019 (FRIDAY)

Department of Mathematics organized International Seminar on Complex Analysis (ISCA – 2019) on March 22nd, 2019 (Friday) under the auspices of Sankara Ganitha Sastra Parishad. Prof. Dr. Yusuf Abu Muhanna, Professor of Mathematics, American University of Sharjah, Dubai and Prof. Dr. Toshiyuki Sugawa, Professor & Division Manager, Research Centre for Pure and Applied Mathematics, Graduate School of Information Sciences, Tohoku University, Japan were the chief guests for the function. Prof. Dr. T. Venugopal, Controller of Examinations, SCSVMV and Prof. Dr. S. Balaji, Dean, Faculty of Science, SCSVMV presided over the function.

The seminar started with a prayer song by Ms. Rajalakshmi, III B.Sc., student, Department of Mathematics. Prof. Dr. K. Srinivasa Rao, Head, Department of Mathematics, welcomed the gathering. Prof. Dr. D. Vijayalakshmi introduced Prof. Muhanna and he gave a talk on “Soap bubbles and Conformal mapping”. Prof. Tamilselvi introduced Prof. Sugawa and he delivered his talk on “Conformal Mapping”.

More than 100 students participated in the seminar and staff members from various departments of SCSVMV and from Pachaiyappa’s College for Men participated in the seminar and got benefitted. Finally, Prof. Dr. V.K Radhakrishnan, Organising Secretary, ISCA – 2019, proposed the vote of thanks.



GUEST LECTURE

1. Prof. R. Usha, Professor Emeritus, IIT-Madras has given the guest lecture on the topic of Boundary Value Problems on 09/03/2019.
2. Prof. K. N. Ranganathan, Professor(Rtd.), RMK Vivekananda College, Chennai has given the guest lecture on the topic of Introduction to Topology on 09/03/2019.
3. Prof. R. Usha, Professor Emeritus, IIT-Madras has given the guest lecture on the topic of Dirichlet Conditions and its Applications on 29/03/2019.
4. Prof. K. N. Ranganathan, Professor(Rtd.), RMK Vivekananda College, Chennai has given the guest lecture on the topic of Open sets and Closed set on 29/03/2019.
5. Prof. R. Usha, Professor Emeritus, IIT-Madras has given the guest lecture on the topic of Green's Function on 05/04/2019.
6. Prof. K. N. Ranganathan, Professor(Rtd.), RMK Vivekananda College, Chennai has given the guest lecture on the topic of Topological spaces on 05/04/2019.

OUTREACH PROGRAMME

1. Dr. E.Geetha, Assistant Professor of Mathematics, acted as a chief guest for the Mathematics association in PuratchiThalaivar Dr. MGR Arts and Science College, Uthiramerur, conducted by the Department of Mathematics on 23.01.2019. Motivation talk has given to the students about the competitive exams and the ideas for research, followed by a talk also delivered in the topic, "Fundamentals of first order differential equations".

AWARDS RECEIVED

1. Dr.R.Malathi, Received Outstanding Women in Science Award from Center for Advanced Research and Design, Venus International Foundation: Estd.u/s 3 of the Indian Trusts Act,1882 ISO 9001: 2008 Certified.

DEPARTMENT ACTIVITIES

1. Ph.D. Viva Voce Examination has been conducted for Ms. V. Praba, Research scholar on 25.02.2019 thesis titled 'A Study of Different Types of Vertex Set Partition in a Graph'.
2. Ph.D. Viva Voce Examination has been conducted for Mr.M.Ayyampillai, Research scholar on 08.03.2019 thesis titled 'A Study of Equitable secure and Strong Domination and their Variations in a Graph'.
3. Ph.D. Viva Voce Examination has been conducted for Mr.R.Guruviswanathan, Research scholar on 15.04.2019 thesis titled 'Studies in graph theory with reference to the concept of support of a vertex'.
4. Ph.D. Viva Voce Examination has been conducted for Ms. S. Indira Priyadarshini, Research scholar on 25.04.2019 thesis titled 'Modeling and Solving Transportation and Distribution Problems in Wholesale Fruits and Vegetable Markets with Case Studies at Arakkonam Market'.
5. Ph.D. admission interview has been conducted on 18.01.2019. Ms. S.Sarala and Mr. K. Saravanan are provisionally selected.

PAPER PRESENTED BY THE FACULTY MEMBERS

1. Dr. R.Malathi presented a paper “Multiple Valued Logic Using Rules of Inference” in the National Conference on Applications of Number Theory, Graph Theory, Fuzzy logic and Combinatorics in Engineering and Technology(NCANGFCET '19) organized by Sriram Engineering College, Perumalpattu, Chennai on 01.03.2019.
2. Dr. R.Malathi presented a paper “Finding Eigen Values for Butterfly Graph” in the National Conference on Applications of Number Theory, Graph Theory, Fuzzy logic and Combinatorics in Engineering and Technology(NCANGFCET '19) organized by Sriram Engineering College, Perumalpattu, Chennai on 01.03.2019.
3. Dr. R.Malathi presented a paper “Finding Eigen Values for Banana Tree” in the National Conference on Applications of Number Theory, Graph Theory, Fuzzy logic and Combinatorics in Engineering and Technology(NCANGFCET '19) organized by Sriram Engineering College, Perumalpattu, Chennai on 01.03.2019.

JOURNAL PUBLICATIONS

1. S.Rajendiran,J.Sengamalaselvi,T.Venugopal, The Effectiveness of Teaching High school Mathematics Using Memory Aids, International journal of Recent Technology and Engineering (IJRTE), 853-855, ISSN:2277-3878, Apr-2019.
2. S.Rajendiran,J.Sengamalaselvi,T.Venugopal, A Pilot Study of Non-ICT in Teaching Mathematics with Acronyms, International journal of Recent Technology and Engineering (IJRTE),742-744, ISSN:2277-3878, Apr-2019.
3. J.Sengamalaselvi, Visual Math of Double Integrals in the field of Multiple integrals using open source software, International journal of Research and Analytical Reviews (IJRAR), 22-29, P-ISSN 2349-5138, May-2019.
4. J.Sengamalaselvi, Application of Open source Mathematics software Geogebra in the Paddock of Triple Integrals, International journal of Research and Analytical Reviews (IJRAR), 73-75, P-ISSN 2349-5138, May-2019.
5. R.Mageswari, Finding similar/dissimilar protein structures using Tanimoto index, Science Ocean, 29-33, 2581-7698,2019.

STUDENT ACTIVITIES

1. M.Jeyapreethi, M.Sc II Year (Mathematics) presented a paper “Multiple Valued Logic Using Rules of Inference” in the National Conference on Applications of Number Theory, Graph Theory, Fuzzy logic and Combinatorics in Engineering and Technology(NCANGFCET '19) organized by Sriram Engineering College, Perumalpattu, Chennai on 01.03.2019.
2. T. Indhumathi (M.Phil., Mathematics) presented a paper “Application of Intuitionistic Fuzzy Soft Matrices in Decision Making Problems” in the International Conference on Materials and Manufacturing Engineering (ICMME-2019) organized by SCSVMV, Enathur, Kanchipuram from 21.03.2019 to 22.03.2019

SUMMARY OF ACADEMIC ACHIEVEMENTS DURING JANUARY-JUNE 2018

Number of Publications	No.of seminars/workshops etc.,organized by the department	No.of paper presented in national/international Conferences	No.of outreach Activities	Awards Received
5	7	3	1	1

Any criticism, opinions and encouragement will be highly appreciated by the editors of the Newsletter