

CURRICULUM VITAE

of

Dr.Sunita Chinmali

M.Sc, M.Phil,Ph.D



Assistant Professor

Department of Mathematics

S.S.Margol Degree College, Shahabad

A. General Information

- 1.Name : Dr.Sunita Chinmalli
2. Designation : Assistant Professor
3. Department : Department of Mathematics
4. Date of Birth : 03-07-1972
5. Date of Appointment : 03.02.2010
6. Honors Conferred : M.Phil, Ph.D

B) Academic Qualification

Exam Passed	Board/University	Subject	Year	Division/Grade Merit etc.
S.S.L.C	Karnataka Secondary Education Examination Board	English,KannadaHindi,Maths, Science,Social Studies	1988	First Class
P.U.C	Govt. Of Karnataka Education Department	English,Hindi, Physics,Maths, Chemistry, Biology	1990	Second Class
Bachelor's Degree(s)	Gulbarga University, Gulbarga	Mathematics, Physics, Electronics	1993	Second Class
Master Degree(s)	Gulbarga University, Gulbarga	Mathematics	1995	First Class
Research Degree(s) M.Phil	Vinayaka Missions University,Salem(TN)	Mathematics	2007	First Class
Ph.D	Gulbarga University, Gulbarga	Mathematics (Graph Theory)	2012	
Other Diploma/Certificate etc.	Post-Graduate Diploma in Computer Applications		1996	First Class

C. Teaching : Classes Taught

CLASS	PERIODS		
	Assigned Per Week	Taught in the year	
	L T/P	L T/P	
	(1)	(2)	(3)
i. B.Sc	20		1. Took extra classes on Sunday 2. Engaged other teacher's classes when they were on leave.

1. Details of Participation in the following
 - a) University Education: -
 - b) Internal Evaluation : Evaluation of Internal Papers of both odd and even semester
 - c) Paper Setting : Internal paper setting and also paper setting of University exams.
2. Total Teaching Experience: 23 years
3. Under Graduate : 23 years
4. Post Graduate : 00 Year

D. Details of Innovation/ Contribution in teaching ,during the year:

- 1) **Teaching Methods** : Use of black board and through use of LCD.

E. Research Experience & training :

Research Stage	Title of the work/ Theses	University where the work was carried out
M.Phil	Some concepts of domination theory and line domination of semitotal - block graphs	Vinayak Mission's Deemed University, Salem
Ph.D	Some New results in domination theory	Gulbarga university , Gulbarga

Publications :

International :

1. D.G.Akka and Sunita.S.Chinmalli, **Complementary efficient edge domination in graphs**, Graph Theory Notes of New York, 32-34, LX (2011).
2. D.G.Akka and Sunita.S.Chinmalli, **On n-Total edge domination number in graphs**, Far East Journal of Applied Mathematics, 131-137, Vol. 49, No.2(2010).
3. Sunita Chinmalli, **Total triple connected edge domination number of a graph**, Hi –Tech Research Analysis, 69-76, Vol II, Issue III (2012).
4. Sunita Chinmalli, **Triple connected edge domination number of a graph**, Vision Research Journal for Pure Sciences, 45-50, Vol. I, Issue II(2014).
5. Sunita Chinmalli, **Triple connected complementary edge domination number of a graph**, Vision Research Journal for Pure Sciences, 51-56, Vol. II, Issue III(2014).
6. Sunita Chinmalli, **Efficient triple connected edge domination number of a graph**, Mathematical Sciences, 272-275, Vol. IV, Issue II(2015).
7. Sunita Chinmalli, **The Total common Minimal Dominating Graph**, EDU world a Multidisciplinary International Peer Reviewed/Reffered Journal Vol:9 Number 2 Issue Jan 2018
8. Dr. Sunita Chinmalli, **Global Efficient Domination Number of a Graph**, EDU CARE a Multidisciplinary International Peer Reviewed/Reffered Journal, 53-55 vol:9 , Issue no 7, Jan-Dec 2020.

National :

1. D.G.Akka and Sunita.S.Chinmalli, **The accurate line domination number of a graph**, The Mathematics Education, 237-242, Vol. XLIII, No. 3(2009).
2. D.G.Akka and Sunita.S.Chinmalli, **Further results on the line neighbourhood number of a graph**, The Mathematics Education, 20-25, Vol. XLIV, No. 1(2010).

3. Dr. Sunita chinmalli , The Role of IQAC in outstanding quality of institutes of higher education., Universal research analysis, Vol :8 Issue:2 July 2016-Dec 2016
4. Dr.Sunita chinmalli, Edge Domination in Semi Total-Block Graphs, IRA journal,38-41,Vol.9,Issue.01 July2018-Dec2018
5. Dr.Sunita Chinmalli, Efficient Complementary Nil Domination Number of a Graph,Hi-Tech Research Analysis,Vol:10,Issue: 1 July 2019-Dec 2019.
6. Dr. Sunita Chinmalli, Maximal Paired Triple Connected Domination, Education Today, Volume No XI Issue No.2 for the month jan-Dec 2021

Paper Presented in Conference/ Seminars/Workshop/Symposium

International :

1. Title : Triple connected complementary edge domination number of a graph organized by Adichunchanagiri institute of technology, Chikkamagaluru.

National :

1. Title : On n-total edge domination number in graphs
Organized by Dept. Of studies & research in mathematics, Gulbarga.
2. Title : Total triple connected edge domination number of a graph
Organized by Dept. Of studies & research in mathematics, Gulbarga.
3. Title : Maximal Paired Triple Connected Domination Number of a Graph. Organized by (RAPMS-2018) the Department of Physics and Mathematics under IQAC,

State :

1. Title : The total minimal dominating graphs
Organized by N.V. Arts College, Gulbarga.

Training :

1. Participated in the “ **Teacher Empowerment Training for Assistant Professors**“ conducted by Dept. Of Collegiate Education, Govt. Of Karnataka in collaboration with Karnataka Jnana Ayoga During 18-24 Sept, 2011.
2. Attended the Faculty Development Programme on “ **Towards a New Curriculum in Engineering Mathematics with Scilab & Maxima**” from 26 – 27 Dec. 2014 organized by Dept. Of Basic Sciences, Bengaluru.
3. Participated in “ **Feel Teacher**” learning & development intervention, organized by H.K.E. Society, Kalaburgi and conducted by CLHRD, Mangalore from 5-7 Feb. 2015.
4. One week National level short term training programme on “Tools in Teaching, Learning & Research, from 25th to 30th November 2016, Organized by Department of applied science & humanities, BKIT, Bhalki, sponsored by director of technical education (DTE), Bengaluru, IETE, New Delhi and ISTE, New Delhi.
5. Attended “Popular Mathematics Lecture week (Online)” organized by Department of Mathematics, School of Computational science, Punyashlok Ahilyadevi Holkar Solapur University, Solapur, from 27th dec-04th Jan 2022.

WEBINAR:

1. Two days national webinar on “NAAC Accreditation, A first step towards achieving excellence in quality education” under the aegis of UGC paramarsh scheme organized by IQAC of R.J.College Mumbai, on 16th & 17th January 2021.
2. International webinar on “outcome-based education: how to write measurable learning” organized by the Department of Mathematics in association with IQAC & NAAC on 15th February 2021.
3. National webinar on “Ancient History of Indian Mathematics” organized by Department of Mathematics & Statistics, B.K.Shroff college of arts & commerce Mumbai, on 04th February 2021.
4. One day webinar on “Innovations in Graph Theory” organized by the Department of Mathematics, Sree Ayyappa college for women, Chunkankadai, on 26th may 2021.

5. National level webinar on “World of Mathematics” organized by N.G.Acharya & D.K.Marathe college Mumbai, on 01st to 03rd June 2020
6. RUSA sponsored national webinar on “Continued Fractions: Providing Best Rational Approximations since Antiquity” organized by Department of Mathematics, Sir Sitaram and Lady Shantabai Patkar college and science, & V.P.Varde college of commerce and economics Mumbai, on 24th June 2020.
7. National webinar on “Fluid Dynamics” organized by the Department of Mathematics and Statistics, School of basic science, Manipal University Jaipur, on 23rd June 2020.
8. National webinar on “Advances & Applications of Mathematics” organized by Department of Mathematics, M.S.P. Mandals arts commerce & science college Kille-Dharur, on 22nd July 2020.
9. Webinar on “Exploring Graph Theory Applications with GRIN (Graph Interface) software” organized by Math club, Department of Mathematics, Thiagarajar college of Engineering, Madurai, on 15th July 2020.

SHORT TERM COURSE:

1. “34TH Online Short Term Course on E-Content Development ” during 28th May to 3rd June 2020 organized by UGC-HRDC, Gujarat University, Ahmedabad .
2. National level one week online short term training programme on “MATLAB for ALL” during 4th june to 8th june2020, organized by the department of Electrical and Electronics Engineering, Sir M Visvesvarya Institute of Technology, Bangalore.
3. Three days short term training programme on “Latex for everyone” organized by Department of Engineering science, R.A.I.T, NERUL, Navi Mumbai.
4. Online short term training programme(STTP) on “Matlab and Mathematica for Scientific Research” organized by Department of Mathematics, Arul Anandar Collegre (Autonomous) , Karumathur, from 27.07.2020 to 29.07.2020.
5. Three days online short term training programme on “ Best Practices of Doing Research and Writing Article” from 03rd -05th July 2020, organized by Sydus Publishing,Palakkad, Kerala.

FACULTY DEVELOPMENT PROGRAMME:

- 1.** Two weeks Faculty Development programme on “Advanced Concepts for Developing Moocs” from 2nd to 17th July 2020, organized by Teaching Learning Centre Ramanjuna College, New Delhi, Sponsored by Ministry of HRDC, Pandit Madan Mohan Malaviya national mission on teachers and teaching.
- 2.** Two weeks Faculty Development programme on “ICT based new paradigms of E-Teaching and E-Learning : digital pedagogy” from 15th to 30th September 2020, organized by Department of computer science, Mata sundri college for women university of Delhi, In collaboration with Ministry of HRDC, Pandit Madan Mohan Malaviya national mission on teachers and teaching learning centre, Ramanjuna college.
- 3.** One week Faculty Development Programme on “ National Education Policy: Re-Envisioning Higher Education in India” during 30th August – 07th September 2021, organized by TLC, Ramanujan College, University of Delhi, In collaboration with Shiksha Sanskriti Utthan Nyas under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya national mission on teachers and teaching learning centre,
- 4.** Four week Faculty Induction (orientation) Programme (Advanced) c 26th July – 24th August 2021.
- 5.** One week Faculty Development Programme on “ACADEMIC WRITING” under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya national mission on teachers and teaching learning centre, from 18th Feb – 24th Feb 2021.
- 6. Online** Faculty Development programme in the “Pure and Applied Mathematics” organized by PG & Research Department of Mathematics (Under DBT star college scheme), Jamal mohame college (Autonomous), Tiruchirappalli, from 11.06.2020 to 17.06.2020.
- 7. One week** Faculty Development programme on “online tools, learning management systems online evaluation, information publishing, and e-content development” organized by internal quality assurance cell, sree Ayyappa college for women, Chunkankadai, in collaboration with UGC-HRDC, University of Kerala, from 04.06.2020 to 10.06.2020

F. Research Project carried out

Title of the Project	Name of the funding agency	Duration	Remarks
Some innovative contributions to the theory of graphs-Domination theory	UGC	Two years	Completed

G. Improvement of professional competence:

Details regarding refresher courses / orientation attended ,participation in summer schools, workshops, seminars etc.

1. Participated in the **Orientation Course** held from 25th May 2011 to 21st June 2011 at UGC – Academic Staff College Maulana Azad National Urdu University, Hyderabad.
2. Participated in the **Refresher course** in the subject Mathematical Sciences from Dec. 4-24,2013 at University of Mysore, Mysore.
3. Participated in the **Refresher Course** in the subject Mathematics from July 4th to 24th 2018 at UGC-HRDC, University of Hyderabad. Hyderabad
4. Successfully completed online two week **Interdisciplinary Refresher course** on “Research Methodology” from 20th September-05th October 2021 organized by TLC, Ramanujan College University Delhi in collaboration with Nirmal college Muvattupuzha, Kerala, under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Training.
5. Successfully completed online two week **Refresher course** on “Mathematics ” from 16th – 30th March 2021 organized by Department of Mathematics TLC, Ramanujan College University Delhi , under the aegis of Ministry of education Pandit Madan Mohan Malviya National Mission on Teachers and Training.

6. Successfully completed online two week **Refresher course** on “Mathematical Sciences ” from 26th September – 10th October 2022 organized by Department of Mathematics TLC, Ramanujan College University Delhi , under the aegis of Ministry of education Pandit Madan Mohan Malviya National Mission on Teachers and Training.

H. Seminars, conference , symposia workshops etc. attended

Workshops:

1. Participated in the National Workshop on Basic Matlab Programming and Simulink held from 6th – 8th May 2015.
2. Attended the workshop in Mathematics held during march 26-28,2007 at dept. Of Mathematics, Gulbarga University, Gulbarga.
3. Attended the workshop on “**Bhaskarachrya II & his works**” organized by Dept. Of Mathematics, Smt.A.S.M College for women, Ballari on 14th Feb. 2015.
4. Two days Instructional Workshop on Scilab & Maxima on 3rd & 4th August, 2018 held in the Department of Mathematics, Gulbarga University, Kalaburagi.
5. Successfully Completed Two days National level Workshop on “LaTeX for Beginners” organized by Department of First Year Engineering ,Pimpri Chinchwad College of Engineering,Pune-44 on 22-23 June 2020.
6. Participated in online workshop on “Recent Trends in Domination and Graph Labelling(RTDGL) organized by Department of Mathematics, Ramanujan college, University of Delhi in collaboration with Academy of Discrete Mathematics and Applications(ADMA) during 27th to 31st may 2021.
7. Successfully completed online workshop on NAAC from 13.12.2021 to 18.12.2021 at Jharkhand Government tool room, Ranchi.

8. Participated online International Workshop on “Domination in Graphs” during 14th to 16th November 2021 jointly organized by Indian Institute of Technology Ropar and Academy of discrete Mathematics and Applications, Ropar.
9. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Languages,Culture and Values” on 1st September ,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.
10. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Research, Innovation and Rankings” on 29th September,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.
11. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Integrated Higher Education System” on 20th October,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.
12. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Capacity Building of Faculty” on 17th November,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad
13. Participated in “One day National Level Workshop on Intellectual Property Rights & Patent Filing(IPR-2022)” organised by Department of Physics,Department of Mathematicsin collaboration with knowledge Resource Center on 8th April,2022.
14. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Multidisciplinary & Holistic Education” on 21st April,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.
15. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Equity and Inclusion” on 11th May,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.

16. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Motivated, Energized and Capable Faculty” on 18th May,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.
17. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Integration and Use of Technology” on 8th June,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.
18. Participated in the UGC Sponcored “Online Workshop on NEP-2020: Indian Education System” on 21st December,2022 organized by UGC- Human Resource Development Centre, Gujarat University, Ahmedabad.

Seminars :

1. Participated in Two days National level Seminar on “ **The Frontiers of Mathematics & Some Recent Advances** “ organized by Dept. Of Mathematics Basaveshwar Science College ,Bagalkot on Sept. 13-14, 2014.
2. Two days national seminar on “jan dhan yojana an effort towards financial inclusion” sponsored by Indian council of social science research, New Delhi in collaboration with Indian economic association, New Delhi, on dt.26th & 27th February 2016, organized by Department of Economics and IQARC, Smt. V.G.Women’s degree college for women, Kalaburagi
3. Two days national seminar “Changing gender rolle: in attitude of modern Indian families” organized by Department of Socilogy, MSI Degree college of Arts,Science,&Commerce,Kalaburagi & Gulbarga University Private college teachers Association, held on 13 & 14 Feb-2017
4. Two days National Multidisciplinary Seminar on”New Emerging Trends : Enhancing Quality in Higher Education, Organized by Reshmi U.G and P.G college , Kalaburagi

5. Participated in two day National Seminar on “Sensitization of Changing Perspectives in NAAC Assessment & Accreditation Process” Organized by Smt.Veeramma Gangasiri College for Women,Kalaburagi on 13-14 September 2019.
6. Attended the NAAC National seminar on “Execution of Artistic Procedure for Preparation of SSR as per New dimensions of NAAC” on 19th January 2021, organized by A.V.Patil Arts, Science & Commerce college Aland,

International Conference :

1. Participated International conference on “**Emerging Trends in Mathematical Sciences**” organized by Dept. Of studies in Mathematics, Bellary on July 25-26,2014.
2. Participated in three days International Conference on “Recent Trends in Science,Engineering, Business Studies, Humanities & Social Sciences” organized by Sharnbasva University, Kalaburagi during 30th,31st August & September 2019.
3. Participated in second International Conference on “Algebra and Discreate Mathematics- ICADM 2020” through google meet organized by department of Mathematics – DDE, Madurai Kamaraj University, Madurai, during 24th – 26th June 2020.

National Conference :

1. Participated national conference on “Quality Assessment, Enhancement and Sustenance in Higher Education : in the light of New framework of NAAC” held on 22-23 feb-2019 at B.V.Bhoomaraddi college of Arts, Science and commerce, Bidar
2. Participated in the two day National Conference on “Recent Development in Tribology and Application (RDITA -2k22)” during 9th & 10th March 2022 Organised by Department of P.G Studies and Research in Mathematics in association with Karnataka Science and Technology Academy, Sharnbasva University, Kalaburagi.

Symposium :

1. Attended International Symposium on “**Advances in Applied Mathematics**” conducted by P.G Dept. Of Mathematics & research centre in applied Mathematics, Bangalore on Jan. 18, 2014.

Academic Activities:

1. Refresher course attended – 03.
2. Orientation course attended – 01.
3. Acted as **LIC committee member** , Karnataka State Women’s University, Vijayapur.
4. Acted as **BOS member** for UG, Karnataka State Women’s University, Vijayapur.
5. Acted as **BOE chairman** for UG, Karnataka State Women’s University, Vijayapur.
6. Acted as **BOE member** of Karnataka State Women’s University, Vijayapur.
7. Acted as **Valuator** of B.Sc exams since 20 years.
8. Acted as various committee members of our college Hostel committee member, library committee, alumini, cultural committee, Internal exam committee etc.,.
9. Acted as **Chairperson** in Inspire Internship Science Camp organized by H.K.E Society’s Smt. V.G. Degree College for Women, Kalaburgi from 24-28 Aug. 2015.
10. Acted as **Co-ordinator** of Internal Exam Committe.
11. Acted as **Co-ordinator** of NAAC criteria.
12. Life-Member of **Mathematics Education Journal**.
13. Life-Member of **Applied Science Periodical Journal**.
14. Life-Member of **ACCST Research Journal**.
15. Life-Member of Education Today, a Multidisciplinary International Peer Reviewed/Refereed Journal.
16. Life-Member of Academy of Discrete Mathematics and Applications(ADMA).

Significant Achievements :

1. Awarded with “**International Women of the Year 2022**” Award in appreciation of the consistent superior performance in Research & Teaching in **MATHEMATICS** by Center for Professional Advancement Continuous Education-CPACE
2. Awarded **Master’s degree** in Mathematics with first class.
3. Awarded **Ph.D** degree in the year 2012.
4. Total number of Journal publications - **08**.
5. One **Minor Research Project** completed funded by UGC.
6. Acted **BOS, BOE and LIC** committee member of Karnataka State Women’s University, Vijayapur.(In Computer Science).
7. **BOE Chairman** of Karnataka State Women’s University, Vijayapur.(In Computer Science).
8. Acted as **BOE member** of Karnataka State Women’s University, Vijayapur.(In Mathematics).
9. A Project Report entitled “**Dynamic Display** “submitted to Physics and Electronics Department of V.G. Women’s College , Gulbarga in partial fulfilment for the award of **Bachelor of Science**.
10. A Project Report entitled “ **Soft-Tech on Primary Co- Operative ARD Bank Limited** “ submitted to Gulbarga University , Gulbarga in partial fulfilment for the award of **P.G. Diploma in Computer Application**.
11. Acted **BOS, BOE** Committee member of Karnataka State Women’s University, Vijayapur.(In Mathematics)

Dr.Sunita Chinmalli