

Dr. Chaitra V.

M.Sc, M.Phil, Ph.D



Experience

Dr. Chaitra V.

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15 Years of Teaching experience for PUC Science, Commerce, B.Com, B.E. and M. Sc Mathematics students

BMS COLLEGE OF ENGINEERING / Assistant Professor

JULY 2016 – TILL DATE, BANGALORE

Teaching **Engineering Mathematics** for Engineering students.

DAYANANDA SAGAR COLLEGE OF ENGINEERING / Assistant Professor

FEBRUARY 2016 – JULY 2016, BANGALORE

Taught **Engineering Mathematics** for engineering students.

VIJAYA COLLEGE / Assistant Professor

MARCH 2013 - SEPTEMBER 2015, BANGALORE

Taught **PG Students** various subjects under Mathematics

SRI BHAGAWAN MAHAVEER JAIN COLLEGE/ Senior Lecturer

JUNE 2004 - MARCH 2013, BANGALORE

Taught Mathematics and Basic Mathematics for PU students

Taught quantitative Mathematics for B. Com. students

Teaching students of varied academic/age levels, handling classrooms with as many as 80+ students per class and yet keeping individual focus; communicate with teachers, administrators and parents; and build a positive rapport with students.

Key Contributions & Educational Outcomes:

- Consistently praised for dedication, reliability, organization and effectiveness as one of the college's most in-demand lecturers.
- Closely adhered to lesson plans; and kept students motivated, engaged and focused.

- Consistently obtaining good feedback from students for good teaching, maintaining class decorum, knowledge, understanding of subject and punctuality
 - Conducting special coaching for Merit Students and remedial classes for below average students
 - Organized various Mathematics related events.
 - Been the key coordinator for Creative Group, which organizes college fests.
 - Women's Cell Coordinator, Electoral Literacy Club Coordinator
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Education

SBRR Mahajana College / PUC

1997 - 1999, MYSORE

Secured overall percentage of 82.67

SBRR Mahajana College, Mysore University / B.Sc.

1999 - 2002, MYSORE

- Secured 86.4% in the final year of B.Sc.
- Secured **9th Rank** in Mysore University in B.Sc.
- Secured 100 on 100 in Mathematics in the final year of B.Sc.

Central College, Bangalore University / M.Sc.

2002 - 2004, BANGALORE

- Availed Ministry Scholarship which covered the entire M.Sc. course fee.
- Secured an overall percentage of 81.65

Madurai Kamaraj University / M.Phil.

2007

- Secured an overall percentage of 57

KSET

2013

- Cleared KSET { eligibility for assistant professorship }

Ph.D., Bangalore University

2015, BANGALORE

- Worked under the guidance of **Dr. B. Chaluvvaraju**, Bangalore University from July 2009.

- **Topic: Some studies in the theory of graphs and combinatorics**

**Conferences/Workshops /FDP
Attended**

2010

- National conference on Emerging trends in Fluid mechanics and Graph theory, February 25-26, 2010, held at Christ University, Bangalore.
- Presented a paper titled “**Odd and Even distance roman domination**”, Discrete Mathematics Knowledge Utsav, National Level Conference, 28 August 2010 at Jain University, Bangalore. For the same won the **best paper award**.
- Presented a paper titled “**Roman domination of some special graphs**”, UGC sponsored National conference on Recent trends in Discrete Mathematics, 9-11 December 2010, Nazareth Margoschis college at Pillaiyanmanai, Nazareth, Tamil Nadu.

2011

- School on Graph Algorithms, 26-31 March 2011, organized by Dept of Computer Science, K.U. Dharwad in collaboration with Visvesvaraya Technological University, Belgaum
- National Level workshop on Scilab held at Dept of Mathematics, Government Science College, Bangalore on September 8-9, 2011.

2012

- Presented a paper titled “**Fair domination in Derived graphs**”, In III National conference on Emerging trends in Fluid mechanics and Graph theory, February 16-17 (2012), held at Christ University, Bangalore.

2013

- One day workshop on CSIR-UGC NET JRF/LS MATHEMATICS, Bangalore University, Bangalore in association with Ramanujan Mathematics Club, Government Science College, Bangalore held on June 17, 2013.
- Presented paper titled “**Fair Domination in Line graph and its complement**”, in 26th International Conference of Jangeon Mathematical Society, South Korea held at Acharya Institute of Graduate Studies, Bangalore, during August 1-4, 2013.
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2014

- Presented Paper titled “**Switching invariants of graph**, in one day National Conference on Recent Advances in Mathematics held on 24 January 2014, organized by Dept of Mathematics JSS college of Arts,

Commerce and Science, Ooty road, Mysore.

- Attended UGC sponsored one day national seminar on “Topology and Mathematical Modeling”, 11th October 2014, organized by K. L. E. Society, Rajajinagar, Bangalore.
- Presented paper titled “**Edge domination polynomial of graph**” Tumkur University.
- Presented Paper titled “**Fair domination polynomial of a graph**”, in International conference on mathematics- Yesterday and Today, held on 26th and 27th December 2014, organized by JSS college of Arts, Commerce and Science, Mysore.

2016

- Presented Paper titled “**Sign dominating outer switched graphs**”, in National Conference on Convergence of Science, Technology and Management, held on 5th May 2016, organized by Dayananda Sagar Academy of Technology and Management, Bangalore.
- Attended one day workshop on “**Wolfram Technology Workshop-2016**” in association with Mathematics and Information Science and Engineering Department at MSRIT, Bangalore on 24th September.
- Coordinated and attended two week faculty development program on “**Graph Theory-Algorithms and Applications**”, held during 26-12-2016 to 7-1-2017, organized by the department of Mathematics, BMS College of Engineering, under TEQIP-II.

2017

- Attended one week faculty development program on “**Advances in Finite Element Methods and Applications**”, held during January 23-28, organized by the department of Mathematics, BMS College of Engineering, Bangalore.
- Participated in five day faculty Development Program on “**Use of Tools and Technoogy in Research**” held from 7th to 11th February 2017 organized by Departments of Master of Compter Applications and Mathematics, DSCE, Bangalore.
- Participated in three days workshop on “**Instructionsl Model for Outcome Based Education**” held from 20th to 22nd March, 2017, organized by department of Electronics and Instrumentation Engineering.
- Participated in two weeks AICTE-ISTE short term Training programme on “**Advances in Finite Element Methods and Applications**” held from 17th to 8th July 2017 organized by Departments of Mechanical Engineering, Civil Engineering and Electrical and Electronics Engineering, BMSCE, Bangalore.
- Successfully completed AICTE approved two weeks Faculty development program(FDP101X) on “**Foundation Program in**

ICT for Education”conducted by Indian Institute of Technology Bombay from August 3rd to September 7th, 2017.

- Successfully completed AICTE approved two weeks Faculty development program(FDP201X) on **“Pedogogy for Online and Blended Teaching-Learning Process”**conducted by Indian Institute of Technology Bombay from September 14th to October12th, 2017.

2018

- Successfully completed **GIAN** course **“Pseudo-spectral methods and their applications in solving system of Differential Equations”** (with **A grade**) held from 15th to 25th January 2018, organized by the department of Mathematics, BMS College of Engineering, Bangalore.

2019

- Successfully completed TEQIP-III sponsored One week Faculty Development Program on **“Practical approaches for Engineering courses from Industry Perspective”** organized by BMS College of Engineering from 22nd to 26th July 2019.
- Successfully completed TEQIP-III sponsored One week Faculty Development Program on **“Communication Networks and Security”** organized by BMS College of Engineering from 30thJuly to 3rd August 2019.

Papers Published and Communicated

1. B. Chaluvvaraju and V. Chaitra, **Roman Domination in Odd and Even distanced graphs**, Southeast Asian J. of Math. \& Math. Sc., 10 (1) (2011) 69-76.
2. B. Chaluvvaraju and V. Chaitra, **Roman Domination in Complementary prism Graphs**, International J. Math. Combin., 2(2012)24-31.
3. B. Chaluvvaraju and V. Chaitra, **Fair Domination in line graphs and its complement**, International J. Math. Sci. &Engg. Appls (IJMSEA), 7 (4) (2013) 439-446. B. Chaluvvaraju, C. Nandeesh Kumar and V. Chaitra, **Special kind of colorable complements**, International J. Math. Combin., 3 (2013) 35-43.
4. B. Chaluvvaraju and V. Chaitra, **Total domination polynomial of a graph**, Journal of Informatics and Mathematical Sciences, 6(2) (2014) 87-92.
5. B. Chaluvvaraju and V. Chaitra, **Fair domination polynomial of a complete bipartite graph**, South Asian Journal of Mathematics, 5(3) (2015) 132-140.
6. B. Chaluvvaraju and V. Chaitra, **Affirmative domination in graphs**, Palestine Journal of Mathematics, 5(1) (2016) 6-11.
7. B. Chaluvvaraju and V. Chaitra, **On coefficients of edge domination polynomial of a graph**, Journal of discrete Math.Sciences and Cryptography, 19(2)(2016) 413-423.
8. B. Chaluvvaraju and V. Chaitra, **Sign Dominating Switched Invariants**

of a Graph, Bulletin of the International Mathematical Virtual Institute, 7(2017)53-63.

9. B. Chaluvvaraju and V. Chaitra, **Sign Domination in Arithmetic Graph**, Gulf Journal of Mathematics, 4(3)(2016) 49-54.
10. V. Chaitra and A. Madhura, **On Construction of Magic square of any order**, International Journal of Research and Scientific Innovation (IJRSI), 5(4) (2018) 91-94.

Accomplishments

- Completed *Praveen 2*, a Hindi Exam equivalent to BA, Hindi conducted by Madras University
- Completed **Drawing Junior Exam** from Karnataka Board

Computer Knowledge

- C, C++
- Latex
- Scilab, matlab

Individual Information

Languages Known

- Kannada, Tulu, English, Hindi

Interests and Activities

- Art, Craft
- Dancing
- Trekking

Personal

- Date of Birth: 13-02-1982
- Gender: Female
- Marital Status: Married