



V.PRABA  
ASSISTANT PROFESSOR OF MATHEMATICS  
SHRIMATI INDIRA GANDHI COLLEGE  
TRIUCHIRAPPALLI-620 002  
MOBILE:91-8870179014

Email Id: [prabasigc@yahoo.co.in](mailto:prabasigc@yahoo.co.in)

---

### **EDUCATIONAL QUALIFICATION**

- Ph.D in Mathematics from SCSVMV University.[2019]
- M.Phil in Mathematics from Bharathidasan University with specialisation in Optimization Technique [1994]
- M.Sc Mathematics with First Class from Seethalakshmi Ramasamy College, Bharathidasan University [1990]
- B.Sc Mathematics with First Class from Seethalakshmi Ramasamy College, Bharathidasan University [1987]

### **PROFESSIONAL QUALIFICATION**

- B.ED, Annamalai University [1992]
- Grad-OR from Operational Research Society of India, Kolkata-700 029, and recognized by the Ministry of HRM, Government of India. Electives in Marketing, Theory of Games and Statistical Decision Theory. [2005]

### **PROFESSIONAL EXPERIENCES**

**Total year of Experience : 25 years 5 month**

- Presently Working as Assistant Professor, Department of Mathematics, Shrimathi Indira Gandhi College, Tiruchirappalli since January 2019.
- Worked as an Associate Professor, Department of Mathematics in Rajalakshmi Engineering College, Thandalam , Chennai. [2010- 2018]
- Worked as an Assistant Professor in Alpha Engineering College, Chennai [ 2009-2010]
- Served as Assistant Professor, Department of Mathematics, Stella Maris College, **Chennai.** [2008-2009]

- Worked as Lecturer, Department of Mathematics, Shrimathi Indira Gandhi College, Tiruchirappalli. [1990-1999; 2002-2008]

## **JOURNAL PUBLICATIONS**

- V. Praba, P. Aristotle and V. Swaminathan, Semi-Strong Sets in a Graph, International journal of Latest Engineering and Management Research (IJLEMR), Vol. 02, Iss. 08, August 2017, pp. 1–3.
- V. Praba, P. Aristotle and V. Swaminathan, Colorful Total Domination with respect to Color Class Domination Partition, International Journal of Mathematical Archive (IJMA), Vol. 08, Iss. 09, Sept.- 2017, pp. 36-38.
- V. Praba, P. Aristotle and V. Swaminathan, Chromatic Resolving Dominator (Color Class Domination) Partition of a Graph, Mathematical Sciences International Research Journal, Vol. 7 (1), March 2018, pp. 34–45.
- V. Praba, P. Aristotle and V. Swaminathan, Color Class Domination and Colorful Domination, International Journal of Pure and Applied Mathematics (IJPAM), Academic Publication Limited, Volume 120 No. 4 2018, 623-638 ,ISSN 1311-8080.(printed version); ISSN : 1314-3395 (on-line version)
- V. Praba and V. Swaminathan, Global Color Class Domination Partition, International Journal of Applied and Engineering Mathematics, Turic World Mathematical Society (TWMS), Volume-9, N.3, 2019, pp-681-686.
- V. Praba, Semi-Strong Color Partition of a Graph, Global Journal of Engineering Science and Researches, 6(6) June 2019, pp- 244-247.
- V. Praba, Three Connected Domination in a Graph, International Journal for Research in Applied Science & Engineering Technology, Volume 7 Issue VII, July 2019, pp-799-802.

## **RESEARCH PAPERS PRESENTED IN CONFERENCES**

- Participated and Presented a paper titled ' Strong Gamma-half Domination in Graphs', held on 9th and 10th March 2012 in the International Conference on Mathematics in Engineering and Business Management organized by Stella Maris College and Loyola Institute of Business Administration, Chennai
- Participated and Presented a paper titled ' K-Domination, K-Vertex Cover and K-independence in Graphs', held on 24th & 25th August 2012 in the National Seminar on Recent Trends in Coloring of Graphs and Digraphs (NSRTCGD 2012) organized by Sethupathy Government Arts College, Ramanathapuram-623 502, Tamilnadu.
- Participated in a two day National Conference on "Emerging Trends in Mathematics and Mathematics Education" on 17th and 18th February, 2017 and presented a paper on "Global Color Class Domination Partition" at Maris Stella College (Autonomous), Vijayawada.
- Participated and Presented a paper entitled "Colorful Total Domination with Respect to Color Class Domination Partition" in the 13th Annual ADMA Conference & Graph Theory Day-XIII during 8th to 9th June-2017 held at SSN College of Engineering, Kalavakkam, Chennai-110.
- Participated and Presented a paper entitled " Chromatics Resolving Dominator (Color Class Domination) in the INTERNATIONAL CONFERENCE ON PURE AND APPLIED

MATHEMATICS, organized by the Department of Mathematics, SCSVMV, ENATHUR, Kanchipuram during 19-20 February, 2018.

- Participated and Presented a paper entitled "Resolving Semi-Strong color Partition of a Graph" in the 2<sup>nd</sup> INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS, organized by the Department of Mathematics, SCSVMV, ENATHUR, Kanchipuram during 17-19 December, 2018.

Participated and Presented a paper entitled "Challenges of Organizational Do main in Business Perception" in the INTERNATIONAL CONFERENCE ON CHALLENGES AND RESONSE OF ORGANIZATION DURING TURBULENT GLOBAL BUSINEESS ENVIRONMENT ON 4<sup>TH</sup> JUNE 2019, organized by Primax Foundation in Association with AAARYA Business College ,Singapore and Published in the UGC journal SURAJ PUNJ JOURNAL MULTIDISCIPLINARY RESEARCH, in special Issue.

### **WORKSHOPS, CONFERENCES AND SEMINARS ATTENDED**

- Participated in the Two Day National Level Workshop on "NAAC Awareness Programme" conducted on 27<sup>th</sup> and 28<sup>th</sup> July 2019 at Primax Seminar Hall, Nagadevanahalli, Bengaluru-56, Karnataka, Jointly organized by Primax Foundation In association with Shrimati Indira Gandhi College-Trichy, INIMS Degree College, Bengaluru, and Arunodaya College, Bengaluru.
- Participated in the International Workshop on "Graph Theory and its Applications" Organized by the Department of Mathematics under the auspices of Sankara Ganitha Sastra Parishad, SCSVMV , ENATHUR, Kanchipuram during 20-21, December, 2018
- Participated in a Seven Day National Workshop on "Refined Version of Basic Science and Their Uplifting Effects on Society (RVBS -- 2018)" organized by the Department of Science and Humanities from 6<sup>th</sup> to 13<sup>th</sup> August 2018, Jeppiaar Engineering College, Chennai.
- Participated in the one day Faculty Development Program on "Advances in Statistical Methods" conducted by Department of Humanities and Sciences, Rajalakshmi Engineering college, Chennai, on 20th December,2017.
- Participated in the TEQIP II Sponsored A Two Day National Seminar o "DISCRETE MATHEMATICS AND ITS APPLICATIONS TO ENGINEERS" organized by the Department of Mathematics, Thiagarajar College of Engineering , Madurai on 9th and 10th February 2017.
- Participated in National Conference on RECENT ADVANCEMENT IN PURE AND APPLIED MATHEMATICS held at N.M.S.Sermathai Vasan College for Women, Madurai on 5th January 2017.
- Participated in Wipro-Mission 10X , Engineering Faculty Workshop conducted at Rajalakshmi Engineering college, Chennai held on 31st August to 2nd September,2015.

- Participated in the International Conference on Theoretical Computer Science and Discrete Mathematics(ICTCSDM 2014) held at SSN College of Engineering, Chennai-110, conducted by Department of Mathematics, during December 08-10, 2014.
- Participated in the "Pre-Conference Workshop on Semigraphs" held from 5th to 9th, June 2014 jointly organized by ADMA & Department of Mathematics & Basic Sciences, REVA Institute of Technology and Management, Bengaluru.
- Participated in the NBHM Sponsored National Seminar on "Recent Developments in Algebraic Graph Theory" during July 05 & 06, 2013 organized by Department of Mathematics, SSN College of Engineering, Chennai-110.
- Participated in the "Indo-Slovenia Conference on Graph Theory and Application(Indo-Slov 2013)" organized by the Department of Future Studies, University of Kerala in association with Graph Theory Research Group, University of Maribor and Institute of Mathematics, Physics and Mechanics, Ljubljana, Slovenia during February 22-24, 2013.
- Participated in the TCS sponsored National Seminar on 'Neural, Parallel and Scientific Computing for Biomedical Engineering Problems' organized by the Department of Mathematics and Department of Biomedical Engineering, Rajalakshmi Engineering college, Chennai, held on March 24-25 2011.
- Participated in a Seminar on "Writing The Agenda of the Apprentice Scientist From Practicing Science to Stimulating Future Scientists" by Professor Nicole Ostrowsky, held on 4th December 2009 at IIT Madras- Department of Mathematics in collaboration with the French International school Section of Excellence in Science,
- Participated in the Seminar on 'Mathematical Modeling in Industry' held on February 24, 2009 organized by the Department of the Mathematics, Stella Maris College(Autonomous), Chennai-600 086.
- Participated in the National Conference on 'Recent Advancement in Pure and Applied Mathematics' held on 23rd and 24th January 2009 organized by the department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai-6.
- Participated in the National Symposium 'Recent Advances in Computational Techniques – RACT 09' organized by the department of Mathematics, Stella Maris College, Chennai-86 held during January 9-10, 2009.
- Participated in the seminar Computational models and methods held on 24 November, 2008 organized by the department of Mathematics, Stella Maris College, Chennai-86.
- Participated in Train the Trainer Programme on soft skills conducted by Careers Junction at Stella Maris College from 13th to 15th November 2008.
- Participated in the One day Workshop on 'Research Methodology' conducted by the Department of Commerce, Srimathi Indira Gandhi College, Trichy on 5th January 2007.
- Participated in the State Level Conference on Current Trends in Research Field of Computer Science held on the 13th & 14th October, 2006 at Trichy jointly organized by Srimathi Indira Gandhi College, Trichy and Computer Society of India, Trichy Chapter.
- Attended one day Workshop on the 'Choice Based Credit System to the Faculty Members of Affiliated Colleges' conducted at Bharathidasan University, Trichy on 22nd January 2005.
- Participated in the Workshop on Industries –Institutions Interaction on 6th and 7th January 2005, organized jointly by Computer Society of India, Trichy Chapter and BHEL.
- Participated in the Seminar on 'Graph Theory' organized by the Department of Mathematics, St. Joseph's College, Trichy on 16th February, 1998.

## **CREDENTIALS**

- Question paper setter for Anna University for B.E. and M.E. since 2016.
- Department Activity Co-ordinator [2011-2018] in Rajalakshmi Engineering College, Chennai.
- Awarded a certificate in recognition of role as mentor for the NPTEL Online Certification course Probability and Statistics ;Jan-Apr 2016 by IIT Madras.
- As a Secretary of Mathematics Association for 4 years (1993 to 1995; 2005-2007) in Srimathi Indira Gandhi College, organized Seminars at State and National Level.
- Paper Setter for Science and Engineering Streams of Periyar and Bharathiar Universities 2002 to 2008.
- Paper Setter for the Autonomous Colleges –St.Joseph’s College , Jamal Mohammed College ,Trichy ,Gobi Arts and Science college,Gobichettipalayam,Serfoji College,Thanjavur, Poondi Pushpam College ,Avinashilingam College Coimbatore 2002 to 2009.
- As a member of the Admission committee involved in the Selection Process in Srimathi Indira Gandhi College, Trichy .
- Served as a Co-coordinator for Career guidance and Placement cell, in Srimathi Indira College, Trichy for 5 Years.

## **WORKSHOPS, CONFERENCES ORGANISED**

- Member of the Organizing committee at the State Level Seminar on “Computer Oriented Mathematical Techniques 2007 “ conducted at the aegis of PG Department of Computer Applications, Department of Computer Science and Mathematics held on 10th and 11th August 2007.
- Participated as a Resource Person in the " Workshop on Exam Reforms In Question Paper Setting " held at P.G.& Research Department of Mathematics, Bishop Heber College (Autonomous), Tiruchirappalli during 07th & 08th March 2007
- Member of the Committee on the “Syllabus Oriented Techniques For the UG Students “ conducted by the Department of Mathematics, Srimathi Gandhi College, Trichy in 2005.

## **PERSONAL DETAILS**

|                |                                |
|----------------|--------------------------------|
| Date of Birth  | 23 <sup>rd</sup> November 1966 |
| Marital Status | Married                        |
| Nationality    | Indian                         |
| Religion       | Hindu                          |