



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)**

College with Potential for Excellence
Linguistic Minority Institution. Affiliated to University of Madras

**Department of Mathematics and Computer Applications
CURRICULUM VITAE**

1. **Name of the faculty** : Dr. P. Vijayalakshmi
2. **Designation** : Assistant Professor
3. **Email ID** : vijayalaksh mip@dgvaishnavcollege.edu.in
4. **Contact Numbers** : 9486686417
5. **Professional Qualifications:** M.Sc., MPhil., Ph.D.,
6. **Area of Specialization:**
Research: Domination Fuzzy graphs
7. **Professional Experience:**



DESIGNATION	COLLEGE	PERIOD		SERVICE (IN YEARS)
		From	To	
Lecturer in Mathematics	Ponnaiyah Ramajayam Polytechnic College, Vallam, Thanjavur	July 2005	March 2007	02
Guest Lecturer in Mathematics (Under Shift II Courses)	Kunthavai Nachiaar Govt. Arts College (Autonomous), Thanjavur	September 2009	May 2013	04
Assistant Professor – I in Mathematics	Srinivasa Ramanujan Centre, SASTRA University, Kumbakonam	June 2013	April 2017	04
Assistant Professor in Mathematics	Dwaraka Doss Govershan Doss Vaishnav College, Arumbakkam, Chennai.	June 2017	Till Date	04

8. Details of Ph.D. / M. Phil. / M. Sc., Supervision: M.Sc Supervision (4 years)

9. Details of Seminars/ Workshops / FDP Attended and Organized:

2015 -16

- Attended International conference on “**NUMBER THEORY & ALGEBRAIC GEOMETRY**” organized by SRINIVASA RAMANUJAN CENTRE, SASTRA UNIVERSITY ON DECEMBER 21&22 , 2015

2017 -18

- Attended National conference on “PURE AND APPLIED MATHEMATICS” organized by SRINIVASA RAMANUJAN CENTRE, SASTRA UNIVERSITY ON March 24 , 2017.
- Attended “ Teacher’s Enrichment Workshop for mathematics teachers of Engineering colleges” held at The Institute of Mathematical Sciences,Chennai, during 27th November – 02nd December 2017.

2018 -2019

- Attended “ One week Faculty Orientation Program” from 21st - 27th November 2018, organized by Internal Quality Assurance Cell of Dwaraka Doss Goverdhan College, Arumbakkam , Chennai -106.

2020-2021

Organized:

- *A National Webinar on “Recent Advancement of Fuzzy Theory” on 29th August, 2020.*

Attended

- International Webinar on “Applications of Linear Programming in Performance Measurement” held on 8th August 2020 by PG & Research Department of Mathematics,DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE(Autonomous),Arumbakkam, chennai- 600 106.
- National Level Virtual training on "ICT Tools for Effective Assessment - Formative and Summative -from 17.09.2020 - 18.09.2020 by Inernal Quali Assurance cell,DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- National level Virtual Faculty Development Programme on “Promising Success through Inclusive Development” held during 15th February to 21st February 2021 by PG & Research Department of Mathematics,DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- NATIONAL LEVEL VIRTUAL TRAINING ON ICT COMPETENCY FOR HIGHER EDUCATION TEACHERS From 13.07.2020 to 15.07.2020 by INTERNAL QUALITY ASSURANCE CELL,DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- National Webinar on “Decimal Expansion, Gauss Conjecture & Borel Conjecture” held on 25th July 2020.PG & Research Department of Mathematics, DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- National Webinar on " Overview of Cryotography"held on 29.09.2020 by Department of Mathematics with Computer Applications, DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- National Workshop on “L 2 : Learning Latex” held from 17th to 19th August 2020, by PG & Research Department of Mathematics,DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- National Workshop on “GeoGebra: A Teaching Tool” held from 12th to 14th August 2020 by PG & Research Department of Mathematics,DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (Autonomous),Arumbakkam, chennai- 600 106.
- GeoGebra 5.04 training organized at Jamal Mohamed College (Autonomous) in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

- the R training organized at Jamal Mohamed College (Autonomous) in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.
- Webinar on Mathematical Documentation and computation using online tools on 28th & 29th may 2020 by St. Mary's college (AUTONOMOUS), PG & Research Department of Mathematics, Thoothukudi - 628 001.

2021 -2022

- Attended Three Days National level **FDP** on “**Effective Course Design for Mathematics**” organized by PG & Research Department of Mathematics DDGD Vaishnav college 22nd to 24th July 2021
- Attended International online workshop on “Data Analysis using R commander” organized by Global Institute of Statistical Solutions”from July 23rd -25th ,2021.
- Attended two days National **Workshop** on “**SAGEMATH FOR CALCULUS**” held on By PG & Research Department of Mathematics, 5th & 6th August 2021.
- Attended National Level Virtual Five Day **FDP** on ‘**ICT Tools for E-Content Development and Teaching Learning Techniques**’ organized by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY 20th to 24th September 2021.
- Attended National Conference on “Contemporary Mathematics and Applications” held during 20th – 23rd October 2021 organized by PG & Research Department of Mathematics DDGD Vaishnav college
- Attended National Webinar on “some Applications of Graph theory “held on 7th December 2021 organized by PG & Research Department of Mathematics DDGD Vaishnav college
- Attended National webinar on “Graphs and its interesting applications in computer science” 2021 organized by Department of Mathematics with computer Applications, DDGD Vaishnav college .
- Attended National webinar on “Variant Graph colorings and their Applications “ held on 14th December 2021 organized by PG & Research Department of Mathematics DDGD Vaishnav college
- Attended National webinar on “Amazing Analysis” held on 18th December 2021 organized by Department of Mathematics with computer Applications DDGD Vaishnav college .
- Attended National Webinar on “An introduction to complex Analysis” on 8th January 2022 by Department of Mathematics with computer Applications, DDGD Vaishnav college .
Organised
- National Webinar on “Partitions and Representation Theory” on 24th December 2021 .
- National Webinar on “Speed – o – Mentoring” on 24th January 2022.

10. Details of NPTEL/GIAN courses attended: (Year Wise)

11. Details of Research Papers Publications in the National & International Conferences:

- “**Some topics on changing fuzzy domination in fuzzy graph**” in National Level One Day Seminar on Graph Theory, Algorithms and Modelling conducted by PG and Research Department of Mathematics, Jamal Mohammed College, Tiruchirappalli sponsored by UGC on 19.3.2010

- **“Critical Arcs in Domination of a fuzzy graph”**, Proceedings of the International Conference on Emerging Trends in Mathematics and Computer Applications, Dept of Mathematics and Computer Applications, Mepco Schlenk Engg College, Sivakasi, December 16-18, 2010, pp 149-152.
- **“Critical Arc and Insensitive Node Domination in a Fuzzy graph”**, Proceedings of the National Conference on Recent Developments in Mathematics and its applications, NCRDMA – 2011, SRM University, Chennai, 31 Jan – 1 Feb, 2011, pp 321-326
- **“On some aspects of generalized Peterson Graph”**, Proceedings of the National Conference on BITPAM 2016, Dept of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam, Erode Dt, Tamilnadu, July 15-16,2016

18. Details of Research Paper publications in the National & International Journals:

- **Domination critical nodes in fuzzy graph**, International J. of Math.Sci. & Engg. Appls., IJMSEA, ISSN :0973-9424, Vol.5, No.I, Jan 2011, pp 295-301.
- **Insensitive Arc in Domination of Fuzzy Graph**, Int. J. Contemp. Math. Sciences, Vol. 6, 2011, No. 26, 1303 – 1309.
- **Some Topics on Critical Arc and Insensitive Node Domination in a fuzzy graph**, CiiT International Journal of Fuzzy Systems, Vol 3, No.3, April 2011, pp 93-96.
- **Fuzzy Graphs with equal fuzzy domination and independent domination numbers**, International Journal of Engineering Science and Technology Development, IJEST, Vol.1, No.2(2012), pp 66-68.
- **Certain types of fuzzy sets in a fuzzy graph**, Int.J.Mach. Learn & Cyber, Springer-Verlag Berlin Heidelberg 2014, DOI 10.1007/s13042-014-0267-8, Published online 29th May 2014. Vol.7 No.4, pp 573-579.
- **“A brief note on generalized Peterson Graph”**, ASIA LIFE SCIENCES Supplement 14, number 1 : 1-9, 2017.