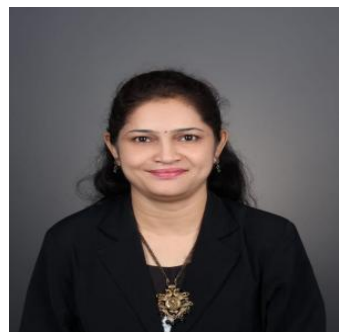


CURRICULUM VITAE

PERSONAL DETAILS:

Dr.MANJULA V. KALYANSHETTI
H NO:111-5/A CROSS,
KRISHICOLONY,
BHAGHYANAGAR,BELAGAVI 590006,
KARNATAKA,INDIA
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WORK EXPERIENCE:

- working as Professor in Maratha Mandal's Engineering Colleg,Belagavi-591156 from 03th july 2026 to till date.
- Worked as Assistant Professor in “Jain College of Engineering” Belagavi, from 04th Oct 2010 to 10th July 2026 .
- Worked as Guest lecturer in “G,S,Sc College,Belagavi”, for 9 months i.e. from 1th Jan 2019 to 30th Sep 2010.
- Worked as Guest lecturer in “D.M.S.Mandal’s B.K. College,Belagavi”, for 6 months i.e. from 9th June 2010 to 30th Sep 2010.

OBJECTIVE: To face a challenging job in an esteemed organization and enhance for its successful growth and development through my dedicated work and interpersonal skills.

ACADEMIC CREDENTIALS:

Degree	College / University	Year of Completion	Aggregate Percentage (%)
Ph.D	SDMCET,Dharwad/VTU	2023	Completed
M.Sc	Karnataka University,Dharwad	2007	62.42
B.Sc	T.G. P Science College, Jamkhandi	2002	66.31
Intermediate	S.R.A Comp College,Banhatti	1999	64.5
SSLC	PPEM School,Rampur	1997	62.2

PROFESSIONAL EXPERIENCE: Taught Engineering Mathematics for all 4 sem from 2010 to till date, Mathematics for M.Tech(Construction and Technology) during 2021,2022,Mathematics for MCA,Coaching for Placement and DCET,DMS for CSE branch.

RESPONSIBILITIES Class Teacher, Academic Co-coordinator, Admission Counselling, E-News letter Co-ordinator Student Induction Program Co-Coordinator.

- Organized Student Development Programs and Workshops

EXTRA CURRICULAR/VOLUNTEER WORK:NSS Co coordinator,Cultural Co-coordinator,Ek BHARAT SHRESHT BHARAT CLUB CO-COORDINATOR, AT JAIN COLLEGE OF ENGINEERING, BELAGAVI.

SKILLS;Technical Programming in Mathematics by Python

RESEARCH AREA: Graph Theory.

- One Candidate has registered for Ph.D in 2025 in the area Graph theory entitled “**Exploring Distance and Degree Relationship in Graph Indices**” at the research Centre Jain College of Engineering,Belagavi.

RESEARCH EXPERIENCE/PATENT GRANTED/PUBLICATIONS

- **PATENT GRANTED:** Has been granted a design patent titled "**Artificial Intelligence Based Processing Device for Graph Theory Learning.**"

PUBLICATIONS:

1) ON SQUARE DEGREE DISTANCE OF MYCIELSKIAN GRAPHS

Shailaja Shirakol, Manjula Kalyanshetti
International Journal of Scientific and Technical Research in Engineering (IJSTRE)
Volume 4 Issue 1 January 2019.

2) QSPR ANALYSIS OF CERTAIN DISTANCE BASED TOPOLOGICAL INDICES

Shailaja Shirakol, Manjula Kalyanshetti, Sunilkumar M. Hosamani
Applied Mathematics and Nonlinear Sciences 4(2) (2019) 371–386
<https://doi.org/10.2478/AMNS.2019.2.00032>

3) ON NEIGHBORHOOD DEGREE DISTANCE AND NEIGHBORHOOD GUTMAN INDEX OF MOLECULAR GRAPHS

Shailaja Shirakol and Manjula Kalyanshetti

Journal of Shanghai Jiaotong University, Volume 16, Issue 7, July 2020, www.ijstre.com

4) DISTANCE-BASED TOPOLOGICAL ACHARYA POLYNOMIAL AND INDICES OF HAMILTONIAN GRAPHS

Shailaja Shirakol & Manjula Kalyanshetti

Journal of Shanghai Jiaotong University, Volume 17, Issue 2, Feb 2021, www.ijstre.com

5) NEW ECCENTRICITY BASED TOPOLOGICAL INDICES OF TOTAL TRANSFORMATION GRAPHS

S. M. Hosamani, I. N. Cangul, S. S. Shirakol and M. V. Kalyanshetti

August 2020, DOI: [10.13140/RG.2.2.13517.26083](https://doi.org/10.13140/RG.2.2.13517.26083)

6) THE AVERAGE DEGREE-DISTANCE INDEX OF GRAPH OPERATIONS

Shailaja Shirakol and Manjula Kalyanshetti Journal of Computational Mathematic, volume N01(2022), <http://doi.org/10.26524/cm120>

7) DEGREE DISTANCE BASED TOPOLOGICAL INDICES OF SOME GRAPH TRANSFORMS

Shobha V. Patil, Sunilkumar M. Hosamani, Shailaja S. Shirakol, Murat Cancan, MohammaReza

Farahanian Manjula Kalyanshetti Ref. No. JDMSC-T-

1542(P59) <https://doi.org/10.1080/09720529.2022.2031151> Journal of Discrete Mathematical Sciences & Cryptography, volume 25

8] QUANTITATIVE STRUCTURAL PROPERTY RELATIONSHIP OF QUINOLONE ANTIBIOTICS BY VL-INDICES

Manjula Kalyanshetti, International Journal of Science and research (IJSR) ISSN: 2319-706

Volume 14 Issue 4, APRIL 2025 | Open Access | Double Blind Peer Reviewed Journal,

DOI: <https://dx.doi.org/10.21275/MS25329165556>

9) ON ZAGREB COINDEX OF LINE GRAPH

Manjula Kalyanshetti

Journal of Dynamics and Control Vol. 01 Issue 01. (2026) 1 - 5

10) ON THE EQUALITY FOR ZAGREB INDICES

Manjula V. Kalyanshetti and Sunilkumar M. Hosamani

IAENG International Journal of Applied Mathematics, ISSN 1992-9978, 1992-9986, Volume 55, Issue 9, September 2025, Pages 2688-2690

PAPER PRESENTATION DETAILS

1. Presented a Paper entitled "ON SQUARE DEGREE DISTANCE OF MYCIELSKIAN GRAPHS" in an International Conference on "Recent Trends in Mathematics" held at K.L.E. Society's RLS Institute, Belagavi during 27th to 29th December, 2018.

2. Presented a Paper entitled **"ON NEIGHBORHOOD DEGREE DISTANCE AND NEIGHBORHOOD GUTMAN INDEX OF MOLECULAR GRAPHS"** in an 2nd International conference on Mathematics Modelling, Applied Analysis and Computation(ICMMAAC-19) held at JECRC University, Jaipur(Rajasthan) during 8th to 10th August,2019.

3. Presented a Paper entitled **"NEW ECCENTRICITY BASED TOPLOGICAL INDICES OF TOTAL TRANSFORMATION GRAPHS"** in the Second International Conference on Advances in physical Sciences and Materials(ICAPSM 2021) held at Coimbatore,Tamil Nadu, India during 12- 13, August 2021.

4. presented on the Topic **"Quantitative Structural Property Relationship Of Quinolone Antibiotics By VL-Indices"** in the 2-days International Conference on "Recent Trends in Applied Sciences (ICRTAS-2025)," held on 3rd and 4th April 2025 at Srinivas Institute of Technology, Valachil, Mangaluru.

CONFERENCES ATTENDED

[1] National Seminar on **"RECENT TRENDS IN MATHEMATICS AND ITS APPLICATIONS"** held at GIT on 28 th & 29 th Jan 2014.

[2] Workshop for **NET/SET aspirants** held at G.S.Sc college Belagavi, on 20 th & 21 st , Nov 2014.

[3] National Conference on **"MATHEMATICS AND ITS APPLICATIONS"** held at AIT, Chikmagalur on 22nd & 23rd Dec 2015.

[4] International Conference on **"DISCRETE MATHEMATICS(ICDM-2016) AND GRAPH THEORY DAY-XII"** held at SIT, Tumkur on 6 th to 11 th June 2016.

[5] National Conference on **"EXPLORING RESEARCH AVENUES AND IPR"** held at SDMCET, Dharwad on 13th Aug 2016.

[6] Two Day Workshop on **"RESEARCH TRENDS IN IMAGE PROCESSING AND MACHINE LEARNING BASED ON MATHEMATICAL MODELLING"** held at SDMCET, Dharwad on 17 th & 18 th of Feb 2017

[7]. One week Workshop on **"RESEARCH METHODOLOGY"** held at Angadi Institute of Technology and Management , Belagavi from 9 th to 13 th Jan 2017.

[8] Two-Day Workshop on **"GRAPH THEORY AND ITS APPLICATIONS FOR SCIENTISTS, ENGINEERS AND MATHEMATICIANS"** held at GIT, Belagavi on June 21 st & 22 nd 2017.

9] One Day National Conference on **"RECENT TRENDS ON THE APPLICATIONS OF SCIENCE IN ENGINEERING"** (NCRSC-2018) on 28th July .2018 at BIET, Davangere.

10] International Conference on **"RECENT TRENDS IN MATHEMATICS"** held at K.L.E. Society's RLS Institute,Belagavi during 27th to 29th December, 2018.

11] One day National webinar on **"RECENT ADVANCES IN MATHEMATICS"** under IQAC initiative organized by Department of Mathematics on 11th June 2020 at Sharanbasveshwar College of Science Kalburagi,Karnataka

12]International conference on **" MATHEMATICS MODELLING, APPLIED ANALYSIS AND COMPUTATION"**(ICMMAAC-19)held at JECRC University, Jaipur(Rajasthan) during 8th to 10thAugust,2019.

13] Webinar on **"MATHEMATICAL PERSPECTIVES ON COMPUTATIONAL SCIENCE AND ENGINEERING** "organized by the Department of Mathematics, Ramaiah Institute of Technology, Bangalore-54 held during 6th to 10th July 2020.

14] Two day National Webinar on **"APPLICATIONS OF MATHEMATICS IN ENGINEERING AND PHYSICS"**from 10th to 11th July 2020, organised by Department of Mathematics in Association with IQAC,A.G & S.G SIDDHARTHA Degree College of Arts and Science, Vuyyuru

15] National Webinar on **"RECREATIONAL PROBLEMS IN GRAPH THEORY AND THEIR APPLICATIONS IN REAL WORLD"** organized by Department of Mathematics, K.L.E. Society's S. K.Arts College and H. S. Kotambri Science Institute, Vidyanagar, Hubballi on 13th July 2020.

16] Webinar on **"INTERNATIONAL CONFERENCE ON RECENT TRENDS IN GRAPH THEORY"** (ICRTGT), organized by Department of Studies in Mathematics Karnataka University, Dharwad on July 27-29, 2020

17] Webinar on **"FASCINATING WORLD OF MATHEMATICSAND ITS APPLICATIONS TO REAL WORLD PROBLEMS"** by Dr G Radhakrishnamacharya, IIITDM Kurnool, held on 17th July 2020.

18]Webinar on **"TWO DAYS INTERNATIONAL WEBINAR ON COMPLEX ANALYSIS AND ITS APPLICATIONS"** organized by the Department of Mathematics, K. L. E. Society's G. I. Bagewadi College, Nipani on 22nd and 23rd July 2020

19] Webinar on **"WASTE TO ENERGY GENERATION: MATERIALS AND TECHNIQUES"**Organized by School of Mechanical Engineering , Pratap University, Jaipur, India on 29-AUGUST-2020 Webinar on **"SECOND INTERNATIONAL CONFERENCE ON ADVANCES IN PHYSICAL SCIENCES AND MATERIALS"** (ICAPSM 2021) held at Coimbatore,Tamil Nadu,India during12-13,August 2021.

20] **Webinar on "Inculcating Universal Human Values in Technical Education"** FDP organized by SSET's SG Balekundri Institute of Technology, Belagavi from 01/08/2024 - 03/08/2024 | 3 Days 01/08/2024 - 03/08/2024 sponsored by AICTE.

22] **5 days FDP on "Emerging Topics in Applied Science"** from 4th to 8th February 2025 organized by Departments of Basic Science, Srinivas Institute of Technology, Valachil, Mangaluru.

23] **6 Days online Long-Term Training Programme (LTTP) on "R Mastery: From Basics to Advanced Data Science"** organized by Department of ISE, CMR Institute of Technology, Bangalore from 03/02/2025 to 08/02/2025.

24] **5 days E-FDP on "Recent Trends in Graph Theory"** organized by Department of Science and Humanities, DMI College of Engineering, Chennai from 03/03/2025 - 07/03/2025.

25] **5-days E-FDP Numerical Computations and Dynamical Systems (NCDS-2024)** organized by Department of Mathematics, Anurag University, Hyderabad 22/07/2024 - 26/07/2024.

26] **One Day FDP on "Research Methodology"** organized by Department of MBA, Jain College of Engineering, Belagavi on 12th June 2025

27] **5-day FDP on Next-Gen Teaching: Technology Enhanced Pedagogies for HEI's** organized by Department of EEE, Jain College of Engineering, Belagavi from 1st-5th July 2025

28] **5-Day Hands on FDP on Python Programming and Prompt Engineering** organized by Department of EEE, Jain College of Engineering, Belagavi from 28th July - 1st Aug 2025

29] **One week Faculty Development Program on "Recent Advances in Computational Mathematics and Machine Learning"** organized by Department of Mathematics, J B Institute of Engineering and Technology, Hyderabad from 4th - 8th August 2025

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.



Dr. Manjula V Kalyanshetti.

Place: Belagavi

