

# Curriculum Vitae



Employee No. :  
Name : Dr. Vinayak V. Manjalapur  
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E-mail ID : vinu.m001@gmail.com, vinmathsbkcc@gmail.com  
Qualification : M. Sc., Ph. D.  
Specialization /Expertise: Graph Theory  
Department : Mathematics  
Designation : Assistant Professor  
Date of Appointment : 20-03-2020  
Date of Birth : 14-09-1988  
Aadhar No. : 6176 9196 1855  
PAN : APCPM7043N

## Academic Qualifications:

Qualification	Board/ University	Subject	Date & Year	Division/ Grade
SSLC	SSLC Board	-----	08 <sup>th</sup> May, 2004	First Class
PUC	PU Board	PCMB	18 <sup>th</sup> May, 2007	Third Class
Bachelor's Degree	P. C. Jabin Science College, Hubli	Statistics, Mathematics and Computer Science	6 <sup>th</sup> July, 2011	Second Class
Master's Degree	Karnatak Science College, Dharwad	Mathematics	23 <sup>rd</sup> August, 2013	First Class with Distinction
Ph. D.	Karnatak University, Dharwad	Mathematics	5 <sup>th</sup> May, 2018	Awarded
Research Fellow	Under UPE FAR-II Programme, Karnatak University, Dharwad	Design of Efficient Algorithms: Interdisciplinary Approach	2013- 2016	

**Details of Research:**

Research Stage	Title of Thesis
Ph.D. Awarded on 05-05-2018	Some Advances in Graph Theory

**Information about Research Guidance:**

Research Stage M.Phil. / Ph.D.	Title of the Thesis	University where the work was carried out
Ph. D	Some Advances in Graph Theory	Karnatak University, Dharwad

**Seminars, Conferences, Symposia, Workshops Attended:**

Sl. No.	Seminar / Conference & Level	Name of the Sponsoring College / Agency	Place and Date	Theme of the Seminar / Conference
1	National Workshop and Conference	Department of Mathematics, Jadavpur University, Kolkata and Department of Mathematics(JU), NBHM, UGC, DRDO, IARCS	Kolkata, 10 <sup>th</sup> -14 <sup>th</sup> March, 2014	Discrete Mathematics and its Applications (NWCDMA - 2014)
2	10th Annual conference and Workshop	Academy of Discrete Mathematics and Applications and Department of Mathematics, Basic Sciences, REVA Institute of Technology and Management	Bangalore - 560064, 10th - 13th, June 2014	Graph Theory Day
3	International Conference	Department of studies in Mathematics, Vijayanagara Sri-Krishnadevaraya University,	Bellary-583105, 25 <sup>th</sup> -26 <sup>th</sup> July, 2014	Emerging Trends in Mathematical Sciences (ICETMS-2014)
4	National Conference	Mangalore University, Mangalore	Mangalore, 5-6, February 2015	Recent Trends in Graph Theory and its applications (NCRTGTA-2015)
5	11 <sup>th</sup> annual Conference and workshop	B. S. AbdurRahman University, Vandalur, Chennai	Vandalur, Chennai, 7 <sup>th</sup> to 12 <sup>th</sup> , June 2015	fuzzy graphs
6	National Seminar	Shri Siddeshwar Government First Grade college and PG Centre	Naragund-582207, Dist: Gadag. 27th February 2016	Graphs in Network Theory

7	International conference	Siddaganga institute of Technology	Tumakuru, 09 <sup>th</sup> -11 <sup>th</sup> , June 2016	Discrete Mathematics and Graph Theory Day – XII (ICDM-20016)
8	National Conference	Department of Mathematics, Karnatak University, Dharwad	Dharwad, 03 <sup>rd</sup> – 04 <sup>th</sup> , August 2016	Geometry, Topology and their applications (NCGTA- 2016)
9	Workshop	Karnatak University Research Scholar Association, Dharwad-580003.	Dharwad, 3 <sup>rd</sup> February 2017	Research Writing Skills and Plagiarism
10	National Conference	Department of Mathematics, Karnatak University, Dharwad	Dharwad, 15 <sup>th</sup> -16 <sup>th</sup> , March 2017	Analysis and its Applications (NCAA-2017)
11	Workshop	Department of Mathematics and Statistics in association with Rani Chennamma University, Belagavi and Visvesvaraya Technolgy University, Belagavi	26 <sup>th</sup> December, 2018	Discrete Algebraic Structures and their Applications
12	International Conference	Department of Mathematics and Statistics in association with Rani Chennamma University, Belagavi and Visvesvaraya Technolgy University, Belagavi	27 <sup>th</sup> - 29 <sup>th</sup> December, 2018	Recent Trends in Mathematics (ICRTM-2018)
13	National Seminar	Raja Lakhamagouda Science Institute, Belagavi	29 <sup>th</sup> September, 2022	NAAC Revised Accreditation Frame Work (RAF) & its Relevance to NEP - 2020

**Paper Presented:**

Sl. No.	Place and Date	Title of the Paper
1	Mangalore, 5 <sup>th</sup> -6 <sup>th</sup> , February 2015	Reciprocal Wiener index and Reciprocal Complementary Wiener index of graphs
2	B.S.AbdurRahman University, Vandalur, Chennai 7 <sup>th</sup> to 12 <sup>th</sup> . June 2015	Harary Equienrgetic Graphs
3	Naragund-582207, Dist: Gadag. 27 <sup>th</sup> February 2016	Harary Equienrgetic Graphs

4	Department of Mathematics, Karnatak University, Dharwad, 03 <sup>rd</sup> – 04 <sup>th</sup> , August 2016	On Reciprocal complementary Wiener Index of Graphs
5	Department of Mathematics, Karnatak University, Dharwad,	General sum-connectivity index, general product-connectivity index, general Zagreb index and co-indices of line graph of subdivision graphs
6	Department of Mathematics and Statistics in association with Rani Chennamma University, Belagavi and Visvesvaraya Technology University, Belagavi	Bounds on Harary index with respect to vertex connectivity, independence number, independence domination number of a graph.
7	Raja Lakhamgouda Science Institute, Belagavi	Institutional Preparedness for Implementing NEP-2020

#### Teaching Experience:

Courses Taught UG / PG	Name of the College	Duration
BCA	K. L. E. Society's, R. L. S. Institute, Belagavi-590001	December 2017- June 2019
B. Sc	K. L. E. Society's, Basavaprabhu Kore Arts, Science and Commerce College, Chikodi- 591201	June 2019- till Date

#### RC / OC Attended:

Event	University / Agency	Place and Date
FDP	Sangolli Rayanna First Grade Constituent College of Rani Channamma University, Belagavi	Belagavi 14-05-2020 to 20-05-2020
Orientation Program	Teaching Learning Center Ramanujan College University of Delhi Sponsored by MHRD PMMMNTT	TLC, RC University of Delhi 04-06-2020 to 01-07-2020
Refresher Course		TLC, RC University of Delhi 15/12/2021 to 29/12/2021

**Publications:****Articles:**

<b>Sl. No.</b>	<b>Title</b>	<b>Journal with Volume &amp; Date</b>	<b>ISSN</b>	<b>Impact Factor</b>
1	Hamming Index of a Graph Generated by an Edge-Vertex Incidence Matrix	International Journal of Mathematical Sciences and Engineering Applications , 9(1), March 2015	0973-9424	
2	Reciprocal Wiener index and Reciprocal Complementary Wiener index of line graphs	Indian Journal of Discrete Mathematics, 1(1), 2015	2455-5819	
3	Harary equienergetic graphs	International Journal of Mathematical Archive, 6(11), 2015	2229-5046	<b>SJIF 5.835</b>
4	Some bounds for Harary index of graphs	International Journal of Scientific & Engineering Research, 7(5) , May (2016),	<b>2229-5518</b>	
5	Note on the bounds on Wiener number of a graph	MATCH Communications in Mathematical and in Computer Chemistry, 76(1) (2016)	<b>0340-6253</b>	<b>3.139</b>
6	General sum-connectivity index, general product-connectivity index, general Zagreb index and co-indices of line graph of subdivision graphs	AKCE International Journal of Graphs and Combinatorics(Elsevier), 14, 12 <sup>th</sup> February 2017	<b>0972-8600</b>	<b>0.846</b>
7	On reciprocal complementary Wiener index of a graph	Iranian Journal of Mathematical Chemistry, 9(3), 15 <sup>th</sup> September 2018	<b>2008-9015</b>	<b>0.18</b>
8	On complementary distance signless Laplacian spectral radius and energy of graphs	Iranian Journal of Mathematical Sciences and Informatics, 14 (2), 105-125, 2019	<b>2008-9473</b>	---
9	On extended adjacency index with respect to acyclic, unicyclic and bicyclic graphs	Mathematics (MDPI), 7 (7), 652, 2019	<b>2227-7390</b>	<b>2.3</b>
10	Bounds on Harary index with respect to vertex connectivity, independent number and independent domination number of a graph	Advances in Mathematics: Scientific Journal 9 (2020), no.11, 9319–9328	<b>1857-8438</b>	---
11	Uniqueness of differential q-shift difference polynomials of entire functions	The Journal of Analysis, 29 (4), 1117-1127 (Springer), 2021	<b>2367-2501</b>	<b>0.7</b>
12	Reciprocal complementary Wiener index in terms of	Palestine Journal of Mathematics, 11 (1), 104-	<b>2219-5688</b>	---

	vertex connectivity, independence number, independence domination number and chromatic number of a graph	113 , 2022 (Scopus)		
13	Hamming index of graphs with respect to its incidence matrix	Indonesian Journal of Combinatorics, 6 (2), 120-129, 2022	<b>2541-2205</b>	---
14	Institutional Preparedness for Implementing NEP-2020	Proceedings with ISBN	978-81-958846-0-5	---

### Details of Resource Person:

#### Resource Person:

Sl. No.	Event	Place & Date	Topic Spoken
1	Students Seminar (M. Sc.)	KLE Society's, G, I , Bagewadi College, Nipani 18 <sup>th</sup> Dec, 2021	Mathematics Concepts and Skills to Solve NET and KSET Questions
2	Invited as a Judge	KLE Society's Law College, Chikodi 17 <sup>th</sup> January, 2023	Elocution Competition on Vivek Utsava

### Membership of Different Bodies:

\* Board of Examiners (BoE): Rani Channamma University, Belagavi

\* Member of Forums: Member of Kannada Sahitya Parishat, Bengaluru

### Any Other Information:

As a Reviewer for Peer Reviewed Journals

- Discrete Mathematics Letters
- European Journal of pure & Applied Mathematics
- Asian Journal of Mathematics and Computer Science



Signature

(Dr. Vinayak V. Manjalapur)