

## MATHEMATICS RESEARCH CENTRE

Name of the College: K.V.G. College of Engineering



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
"Jnana Sangama"  
Belagavi – 590018, Karnataka State.**

## RESEARCH CENTRE -2022-23

Name of the Recognized Research centre	<b>Mathematics</b>
Year of Est. as Research Centre	<b>2016</b>
Number of Eligible Supervisors	<b>01</b>
Number of Candidates Registered for Ph.D.	<b>02</b>
Number of Candidates Registered for M.Sc. (Engg.) by Research	--
Number of faculty with Ph.D.	<b>01</b>
Number of Professors in the department	<b>01</b>
Number of Assoc. Prof. in the department	<b>01</b>
Number of Asst. Prof. in the department	<b>02</b>

## Details of Research Supervisors

Sl. No.	Name of the Research Supervisor	Name of the University from which Ph. D is awarded	Year of Award	Specialization	Department	No. of Candidates Registered for		Status of Completion		
						Ph.D.	M.Sc. (Engg.)	No. of Candidates completed Course Work	No. of Candidates completed Comprehensive Viva-Voce	No. of Candidates completed Submitted Final Thesis
1	Dr. Shreedhar K	VTU, Belagavi	2015	Graph Theory	Mathematics	02	--	02	-	-

## Details of Research Scholars

Sl. No.	Name of the Research Scholar	Dept.	Registered for			Status of Completion of		
			Year of Registration	Ph.D.	M.Sc. (Engg.) by Research	Course work [Y/N]	Comprehensive Viva-Voce [Y/No]	Submitted Final Thesis [Y/N]
1	Mr. Jayachandran K S	Mathematics	2018	Yes	-	Y	N	N
2	Mr. Kirana B	Mathematics	2018	Yes	-	Y	N	N

## Publication Details

Sl. No.	Name of the Research Supervisor/ Research Scholar	Title of Paper	Publication Citation	National	International
1.	Dr. Shreedhar K	Metric dimension of Generalized wheels	International Journal Arab Journal of Mathematical Science P:131-K14 (25(2) (2019) Impact Factor: Nil	-	International
2.		"K-metric dimension of a Graph"	International Journal J. Math. Combinatorics, Vol.4 (2016), 118-127 Impact factor: 2.5	-	International
3.		"On the Metric Dimension of the total graph of a graph"	Notes on Number Theory and Discrete Mathematics Print: ISSN 1310-5132 Online: ISSN 2367-8275 Vol. 22, 2016, No. 4, 82-95 Impact factor: 2	-	International
4.		"Metric Dimension of a Hexagonal Cellular Network" Vol. 4 No. II (June 2010) pp. 133-149	Journal of Maths. Science & Engineering Appls. (IJMSEA) ISSN 0973-9424.	-	International
5.		"Smarandachely K-Constrained labeling of Graphs"	Mathematical Combinatorics Journal of Math, Cobin, Vol-1 (2009), 50-60	-	International
6.		"On the metric dimension of Total graphs"	Conference on Graph networks and navigators on 2-3 Jan. 2015. PPC No.7	National	-
7.		"Forbidden sub graphs for a graph of given metric dimension"	Seminar on network analysis at Milagrace College UDUPI on 17-18 July 2014.	National	-
8.		"Eighth International workshop an graph graph labeling"	Inte Conference at Kalasilingum University, Tamilnadu on 03-06 Dec. 2014.rnational	-	International
9.		"Forbidden sub graphs for a graph of given metric dimension"	National seminar on network analysis at Milagrace College UDUPI on 17-18 July 2014.	National	-

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10.	Dr. Shreedhar K	"Metric Dimension of Line Graph & Para-line Graph"	Conference on Graph Coloring and its Application at Dr. AIT, Bengaluru during 27-28 July 2013.	National	-
11.		"On Resolving Set for Communication Networks and its dual graph"	Seminar on Graph Theory & Its applications at St. Aloysius College, Mangalore during 3-5, January 2013	National	-
12.		"Metric Dimension of a Hexagonal Cellular Network"	Journal of Maths. Science & Engineering Appls. (IJMSEA) ISSN 0973-9424, Vol. 4 No. II (June 2010) pp. 133-149	-	International
13.		"Smarandachely k-Constrained labeling of Graphs"	Mathematical Combinatorics Journal of Math, Cobin, Vol-1 (2009), 50-60	-	International
14.		"On the Metric Dimension of Generalized wheel and other Graphs"	Conference on Emerging Trends in Fluid Mechanics and Graph Theory organized by the Christ University, Bengaluru on August 16-18, 2012.	-	International
15.		"On the Metric Dimension of Generalized wheel and other Graphs"	International Conference on Emerging Trends in Fluid Mechanics and Graph Theory organized by the Christ University, Bengaluru on August 16-18, 2012.	-	International
16.		"On the Landmarks of Power Graphs"	Conference on Seventh Shanghai Conference on Combinatorics at Shanghai Jiao Tong University, Shanghai, China from 23 <sup>rd</sup> to 28 <sup>th</sup> May 2011	-	International
17.		"Metric Dimension of Graphs by Using Distance Matrices"	Conference on Combinatorial Matrix Theory & Generalized Inverses of Matrices during January 10-11, 2012 at Manipal University, Manipal.	-	International
18.		"Optimization Problem in Graph Labeling Techniques"	Conference on Computational Control Systems and Optimization (CCSO 2011) at Dr. Ambedkar Institute of Technology, Bengaluru during 12th -13th May 2011.	National	-

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19.	Dr. Shreedhar K	"Metric dimensions of graphs"	International Journal of Mathematical Science & Engineering applications (JMSEA) which will be published in Vol. 4, No.II, June 2010.	-	International
20.		'On k constrained total labeling of Graphs'	Presented in a International Conference on Emerging Trends in Mathematics and Computer Applications at MEPCO Engineering College, Shivakashi during 16-18, Dec. 2010.	-	International
21.		"Total Radio Labeling of Graph"	National Milagres College, Kalyanapura, Udipi, 2009	National	-
22.		"k-Constrained total labeling of Graphs at National Conference on Discrete mathematics and its application"	Govinda Dasa College, Surathkal 26-29 Feb 2009	National	-
23.		"Landmarks of Graphs"	RMS Conference, Calicut, 2009	National	-
24.		"On Smarandachely k-Constrained labeling of Graphs"	Paper published by International Journal of Mathematical Combinatorics USA, 2009	-	International
25.		"Land marks in communication networks"	St. Aloysius college, Mangalore on 2006	National	-
1.	Mr. Kirana B	"Strict Edge Coloring of Graphs"	International conference on "Discrete Mathematics and Applications" from 18-01-2018 to 20-01-2018 at Manonmaniam Sundaranar University Tirunellveli, Tamilnadu	-	International
1.	Mr. Jayachandran K S	"On Lattice Labeling of Graphs"	International conference on "Discrete Mathematics and Applications" from 18-01-2018 to 20-01-2018 at Manonmaniam Sundaranar University Tirunellveli, Tamilnadu	-	International

## Details of Existing Research Facilities

Sl. No.	Facility available	Details of Funds Spent
1	Digital Library Mat Lab and Latex software PC, Printer, Scanner Free Wifi with 150 MBPS speed	14,00,000