

**Bapuji Educational Association (Regd.)  
A.V.Kamamma college for Women,  
Davangere.**

**FACULTY PROFILE**

**Dr. Divyashree G.**

**Assistant Professor & HOD  
Department of Mathematics**



**Qualification : Ph.D.**

**Areas of Specialization : Differential  
Geometry**

**E-mail : [drdivyashreeg@gmail.com](mailto:drdivyashreeg@gmail.com)**

**Contact Number : +919902694178**

**Vision**

- To develop student's ability to comprehend, formulate and critical thinking.
- To mould the students to acquire skills required for strengthening Mathematics which is the back bone and mother of all Sciences.
- To discover, mentor, and nurture mathematically inclined students.
- To provide platform to acquire abilities to evaluate problems using analytical/numerical.
- To provide opportunities for close interaction between students, both within and beyond the classroom, including student mentoring.
- To provide a stimulating teaching environment for the undergraduate students of the Department.

**Educational Qualifications**

Sl No	Degree	Specialization/Subjects	University	Year of Passing/Award
1.	Ph.D	Differential Geometry- "A Study on Geometry of Riemannian and Lorentzian manifolds".	Kuvempu University under the Guidance of Prof Dr. Venkatesha.	2018
2.	PG	M.Sc.Mathematics	Davangere University	2013
3.	UG	B.Sc.(PMCs)Physics, Mathematics & Computer Science	Government Science College, Chitradurga	2011

<b>Professional Details:</b>				
<b>Sl No.</b>	<b>Designation</b>	<b>Institution/University</b>	<b>UG/PG</b>	<b>Year of service</b>
1.	Lecturer in Mathematics	Government Science College, Chitradurga.	UG	July 2019 to April 2020
2.	Assistant Professor	A.V.Kamamma college for Women, Davangere.	UG	Sep 2021 to till date

<b>ACADEMIC DETAILS:</b>	
❖ Subjects taught at UG level	Numerical methods, Groups, Matrices, Rings, Number theory, Linear algebra, Sequence, Number system, Successive differentiation.
❖ Subjects taught at PG level	Numerical Analysis.
❖ Computer Literacy	C-Programming, LaTeX, Win Edit, MS Office, TeXstudio.

<b>Area of Research Interests:</b>
<ul style="list-style-type: none"> <li>• Contact manifolds.</li> <li>• Riemannian manifolds.</li> <li>• Lorentzian manifolds.</li> <li>• <math>f</math>-Kenmotsu manifolds.</li> </ul>

<b>Administrative Responsibilities:</b>
<ul style="list-style-type: none"> <li>• Co-Ordinator For Anti Ragging And Student Grievance Redressal Cell</li> <li>• Member Of Administrative, Academic &amp; College Development Advisory Committee</li> <li>• Member Of Healthy Practices Committee</li> <li>• Member Of SC-ST Cell/Minority Cell/OBC Cell/Scholarship Committee</li> <li>• Member Of Health Care Unit/Yoga/Red Cross Unit Committee</li> <li>• Member Of Alumnae Association &amp; Coordinator Committee</li> </ul>

## Research Publications

### International/National Journals

1.	<b>Divyashree G.</b> and Venkatesha, "Certain results on the conharmonic curvature tensor of $(k, \mu)$ -contact metric manifolds", CUBO A Mathematical Journal, Vol.22, No. 01, 71–84 ,RG Journal Impact 0.11, April 2020.
2.	<b>Divyashree G.</b> and Venkatesha, " $(LCS)n$ -manifold with Irrotational Curvature Tensors", JNNCE Journal of Engineering and Management (JJEM), ISSN: 2582-0079, Indexed in International Scientific Indexing (ISI), Impact Factor Value: 1.025, Volume: 3, Issue: 2, December 2019.
3.	<b>Divyashree G.</b> and Venkatesha, "On $M$ -projective curvature tensor of a $(LCS)n$ -Manifold", International J.Math. Combin. Vol.2, 23-33, Impact factor:1.743,2019.
4.	<b>Divyashree G.</b> , "Lorentzian $\alpha$ -Sasakian manifold satisfying certain pseudosymmetric properties", JNNCE Journal of Engineering and Management (JJEM), Vol. 2, No. 2, Indexed in International Scientific Indexing (ISI), Impact Factor Value: 1.025,December 2018.
5.	Venkatesha and <b>Divyashree G.</b> , "Three dimensional $f$ -Kenmotsu manifold satisfying certain curvature conditions", CUBO A Mathematical Journal Vol.19, No-01, 79-87, RG Journal Impact 0.11, March 2017.
6.	<b>Divyashree G.</b> and Venkatesha, "Some classes of $(k, \mu)$ -contact metric manifold satisfying semisymmetric conditions", Int. J. Adv. Res., 5(8), 2157-2170, ISSN: 2320-5407, RG Journal Impact :0.11,2017.
7.	Venkatesha and <b>Divyashree G.</b> , "Quarter-symmetric metric connection on a Lorentzian $\alpha$ -Sasakian manifold", NTMSCI, 5(2), 69-79, RG Journal Impact: 0.34,2017.
8.	<b>Divyashree G.</b> and Venkatesha, "On $(LCS)n$ -Manifold admitting $M$ -projective curvature tensor", International Journal of Engineering Science Invention, 6(9), 36-42, ISSN: 2319-6734, Impact factor:5.962,2017.
9.	Venkatesha and <b>Divyashree G.</b> , "On Weak Concircular symmetries of para-Sasakian manifold admitting Quarter-symmetric metric connection", Accepted in the Journal of Tensor Society, 2017.
10.	Venkatesha and <b>Divyashree G.</b> , "Three-dimensional generalized $(k, \mu)$ contact metric manifolds with m-projective curvature tensor", Proceedings of the InterNational Conference on DGAFM, 193-201, ISBN:978-93-5265-439-0, 2016.

**Award:**

- ❖ I have awarded for the Meritorious **Rajiv Gandhi National Fellowship** for the year 2015-16 to register for Regular and Full-time Ph.D. course in a Kuvempu University which are included and declared fit to receive Financial assistance under Sec. 2(f) and 12B of the **UGC Act 1956**.

**Additional Remarks:**

- ❖ I have passed **Computer Literacy Test**, which is conducted by **Keonics** and has been entrusted in association with the centre of e-Governance during from from 11/12/2021 to 11/03/2022. As per the Government Order No.DPAR 104 e-Gov 2014 dated 2<sup>nd</sup> December 2014.
- ❖ Attended and worked as External Examiner in Government First Grade College, Davanagere for Mathematics BSc final Practical Examination fon 04-01-2025 and 05-01-2025 (02 Days) as an External Examiner.
- ❖ Attended and worked as External Examiner in SRISAILA JAGADGURU VAGEESHA PANDITARADHYA COLLEGE AND PG. CENTER, HARIHAR college for Mathematics BSc final Practical Examination from 05/03/2024 to 06/03/2024.
- ❖ Attended the valuation duty for UG examination at Davangere university from 14/03/2024 to 14/03/2024.
- ❖ Appointed as a paper setter “Algebra II and calculus II of CBSC scheme” for graduate examination during on 26/05/2024
- ❖ Appointed as a paper setter “Mathematics –V of CBSC 16-17 scheme” for graduate examination during on 26/11/2024

**Total number of publications: 10**

**Citations: 3**

**h-index : 1**

**Paper Published in Proceedings of International Conferences:**

- Venkatesha and **Divyashree G**, "On Weak Concircular symmetries of para-Sasakian manifold admitting Quarter-symmetric metric connection", (Accepted in the Journal of Tensor Society).

**NATIONAL / INTERNATIONAL CONFERENCES:**

1. Presented a paper entitled “**Results on the Conharmonic Curvature tensor of  $(k, \mu)$ -Contact metric manifolds**” on **27th International conference of International academy of physical sciences (CONIAPS XXVII) on Fluid mechanics and its industrial applications** organized by Department of Mathematics Kuvempu university, Shankaraghatta and International academy of physical sciences held from 26<sup>th</sup> to 28<sup>th</sup> October 2021.
2. Presented a paper entitled “**Certain results on the conharmonic curvature tensor of  $(k, \mu)$ -contact metric manifolds**” at Two days **National Conference on "Recent Advances in Mathematical Science and Technology (NCRAIMST-2021)"** held on **08<sup>th</sup> & 09<sup>th</sup> October – 2021** organized by National Education society (Regd.), Jawaharlal Nehru New College of Engineering, Shivamogga, Karnataka.
3. Presented a paper entitled “**Three dimensional f-Kenmotsu manifold satisfying certain curvature conditions**” in Two days *National conference on Recent Trends in Applied Sciences and Engineering (NCRITASCE - 2019)* held on 26<sup>th</sup> to 27<sup>th</sup> July-2019 in the Department of Mathematics, JNNCE, Shimoga.
4. Presented a paper entitled “**On almost Kenmotsu manifold satisfying certain curvature symmetry conditions**” at National Conference on **"Recent Developments of Mathematics in Industrial Applications"** sponsored by CSIR and DST held during 11<sup>th</sup> and 12<sup>th</sup> APRIL 2019 organized by Department of P.G. studies and Research in Mathematics, **Kuvempu University**, Jnana Sahyadri, Shankaraghatta-577451, Shivamogga, Karnataka.
5. Presented a paper entitled “**Three dimensional f-Kenmotsu manifold satisfying certain curvature conditions**” at National Conference on **"Recent Advances in Mathematical Sciences and Applications"** organized by Department of studies and research in Mathematics, **Tumkur University**, Tumakuru, Karnataka during **01<sup>st</sup> and 02<sup>nd</sup> DECEMBER 2017**.
6. Presented a paper entitled “**On  $(LCS)n$ -manifolds with M-projective curvature tensor**” at **National Conference on Differential Geometry and its applications** organised by Department of Mathematics and statistics, **DDU Gorakhpur University, Gorakhpur** during **27<sup>th</sup>-28<sup>th</sup> JANUARY 2017**.
7. Presented a paper entitled “**Three-dimensional generalized  $(k, \mu)$ -Contact metric manifold with M-projective curvature tensor**” at **National Conference on Geometry, Topology & their Applications** held on **3<sup>rd</sup>-4<sup>th</sup> AUGUST-2016** in the Department of Mathematics, **Karnatak University, Dharwad-580003**(Sponsored by NBHM, Dept., of Atomic Energy, Govt. of India).
8. Presented a paper entitled “**Study on Lorentzian and Riemannian Manifolds**” at UGC sponsored National workshop on **"Partial differential equations and Numerical methods in Fluid Mechanics"** held on **4<sup>th</sup>-5<sup>th</sup> March-2016**, Department Mathematics, **Govt. First Grade College Koppa**.

- |   |
|---|
| <p>9. Presented a paper entitled “<b>Lorentzian <math>\alpha</math>-Sasakian manifold with respect to Quarter-symmetric metric connection</b>” at International Conference on “<b>Differential Geometry, Analysis and Fluid Mechanics (ICDGAFM - 2016)</b>” held on <b>4<sup>th</sup>-5<sup>th</sup> FEBRUARY-2016</b>, Department of P.G Studies and Research in Mathematics, <b>Kuvempu University</b>, Shankaraghatta.</p> |
| <p>10. Presented a paper entitled “<b>Lorentzian <math>\alpha</math>-Sasakian manifold with respect to Quarter-symmetric metric connection</b>” at <b>National Conference</b> on “<b>Advances in Geometry, Analysis and Fluid Mechanics</b>” held on <b>26<sup>th</sup>-27<sup>th</sup> of AUGUST-2014</b> organized by the Department of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta.</p>    |

**WEBINARS ATTENDED:**

- |  |
|--|
| <p>1. Participated in <i>International Seminar On Applications Of Mathematics In Einstein Theory Of Relativity</i> organized by D.V.S Arts, Science and Commerce College, Shivamogga, held on 13<sup>th</sup> July 2023.</p>   |
| <p>2. Participated in One day <i>National Level Webinar on Value Education -Awareness on UHV</i> organized by UHV-Cell, RYM Engineering College, Ballari held on 24th August 2021.</p>   |
| <p>3. Participated in Two Days <i>National level Webinar on Advances in Mathematical Sciences and its Applications in Engineering and Research (AMSAER) - 2021</i> organised by Department of Mathematics, BIET, Davangere on 11th and 12th of August 2021.</p>  |
| <p>4. Participated in Six days <i>Online National Level Faculty Development Program On Python Programming</i> organized by Government First Grade College and P.G. Center Chintamani-563125, Chikkaballapur(Dt), Karnataka in association with Bengaluru North University and Mathematics Forum (BNU,BU,BCU) from 19th - 24th July 2021.</p> |
| <p>5. Participated in Five Days <i>International e-Seminar on Recent Research in Mathematics (ISRRM-2020)</i>, organized by Department of Mathematics, School of Science, GITAM, Bengaluru, held on 11th to 15th September 2020.</p>   |
| <p>6. Participated in Four days online <i>National Level Conference On Pure And Applied Mathematics</i>, organized by the Department of Mathematics, KLS Gogte Institute of technology, Belagavi, held on 11th to 14th August 2020.</p>  |
| <p>7. Participated and completed <i>Online Quiz On Aptitude And Logical Reasoning</i>, organized by the Department of Science of Christ college and management, held on 30th - 31st July, 2020.</p>  |

8. Participated in the <i>National Level Webinar On Group Theory And Its Applications</i> organized by the Department of Mathematics, G.F.G.C, Kolar held on 25th July, 2020.
9. Participated in the <i>National Level Webinar On Recreational Problems in Graph Theory and Their Applications in Real World</i> organized by the Department of Mathematics, K.L.E. Society's, S.K.Arts College and H.S.Kotambri Science institute, Vidyanagar, Hubballi, held on 13th July, 2020.
10. Participated in Four days <i>National Webinar On Fluid Mechanics And Its Applications In Engineering Sciences</i> , organized by the Department of Mathematics, PESTIM, Shivamogga, held on 24th to 27th June 2020
11. Participated in the <i>National level Quiz on NAAC</i> organized by the Department of Computer engineering, P.V.P.P. college of Engineering, Mumbai, held on 26th June 2020.
12. Participated in the <i>National Webinar on Mathematical Models on Transmitting behaviour of Covid-19</i> , organized by department of mathematics and statistics, school of basic sciences, Manipal university, held on 25th June 2020.
13. Participated in the <i>National level online Math-EQuiz</i> organized by the School of Applied Sciences, Department of Mathematics, PESTIM, Shivamogga, held on 17th June, 2020.
14. Participated in the <i>National Quiz in Mathematics</i> organized by the School of Applied Sciences, Department of Mathematics, Reva university, Bangalore, held on 17th June, 2020.
15. Participated in the <i>One day State level Seminar on "Advances in Mathematics and its Applications"</i> organized by Sahyadri Science college, Shivamoogga held on 24 <sup>th</sup> March, 2017.
16. Participated in the <i>Science Academes lecture workshop on computational fluid dynamics</i> organized by the Department of P.G studies and research in Mathematics, Kuvempu university, held on 21 <sup>st</sup> to 22 <sup>nd</sup> October, 2016.

#### **ORIENTATION PROGRAMME / FACULTY DEVELOPMENT PROGRAMME**

##### **ATTENDED:**

1. Participated and obtained A+ <i>from ONLINE TWO -WEEK REFRESHER COURSE IN "MATHEMATICAL SCIENCES"</i> organized by teaching learning centre, Ramanujan college university of Delhi, held on from 28 <sup>th</sup> January 2023 to 11 <sup>th</sup> February 2023
2. Participated and obtained A+ <i>from 4-week induction/orientation programme for faculty in universities/colleges/institutes of higher education</i> organized by teaching learning centre, Ramanujan college university of Delhi, held on 20 December 2021 to

19th January 2022.
3. Participated in the Five day <b>FDP on Applications of Mathematics in Engineering</b> , organized by the Department of Mathematics, KPRIET, held on 27th to 31th July 2020.
4. Participated in the <b>STTP on MATLAB and MATHEMATICA for Scientific Research</b> , organized by the Department of Mathematics, Arul Anandar college, held on 27th to 29th July 2020.
5. Participated in an <b>One week national level workshop on differential geometry and its applications in engineering fields during from 21<sup>st</sup> to 25<sup>th</sup> January 2019</b> organized by Department of Mathematics, JNNCE, Shivamogga
6. Participated in an <b>One day FDP on Applications of Mathematics in Engineering and Science</b> on 29 <sup>th</sup> April 2019 organized by Department of Mathematics, PES Institute of Technology and Management, Shivamogga, Karnataka.
7. Attended " <b>Faculty Enrichment Programme-2014</b> "[8 days Instructional workshop on Differential Geometry] jointly organised by Dept. of P.G Studies and Research in Mathematics, Kuvempu University, Shankaraghatta and <b>Ramanujan Mathematical Society</b> held during <b>5<sup>th</sup>-12<sup>th</sup> APRIL-2014</b> .

Personal Details		
<b>Gender</b>	Female	
<b>Date of Birth</b>	9 <sup>th</sup> September 1990	
<b>Contact details</b>	<b>Address for Communication</b>	<b>Permanent address</b>
	Dr.Divyashree G, Assistant Professor, A.V.Kamamma college for Women, Davangere-577002	Dr.Divyashree G. w/o Dr. Krishnamurthy M.R. #2035/230, "KALPATARU", Anjaneya Layout, 12 <sup>th</sup> cross, Davangere-577002
<b>Electronic address</b>	<b>Mobile:</b> 9902694178 <b>E-mail:</b> <a href="mailto:gdivyashree9@gmail.com">gdivyashree9@gmail.com</a>	