

SDMCET MATHEMATICS NEWS LETTER

[Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad]

Department of Mathematics

(Our Motto: To Develop Competent Professionals to render their service to Society)

Volume-XIII

**Jan-June
2025**

Dr. Jenifer Karnel
Editor-in-Chief

Dr. Shreekant K
Editor

Dr. Basavaraj H
Advisor

The Department of Mathematics was established in the year 1979. The department has always shared the vision of the Institute in striving for excellence in teaching and research activities and has succeeded in this endeavour to a large extent. With Qualified and competent faculty with an average experience of more than 15 years the department has a Strong teaching learning process. The main vision of the department is to develop Competent Professionals with relevant mathematical knowledge and render their service to Society.

Editorial

It gives me great pleasure to present this Thirteenth issue of News-Letter. Department faculties have involved themselves in various activities as research, paper presentation, participation in conference/workshops, High light of this issue is the award of Ph.D to two Research Scholars: Megha Kulkarni & Holabasayya Irayya Sankannavar. Congratulation Scholars Also my best wishes to all the faculty members.

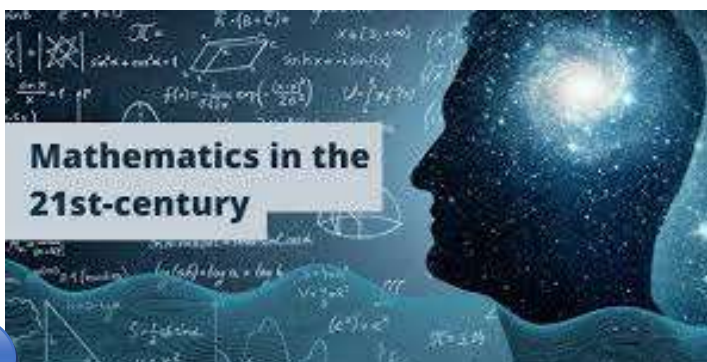
Dr.Jenifer J.Karnel



"Faculty Achievement"



Dr. Jenifer K. Two Research Scholars: Megha Kulkarni & Holabasayya Irayya Sankannavar have been Awarded with Ph.D. at 25th Annual Convocation at VTU Belgavi on 04-07-2025. On 28-04-2025 (received PDC).





★ **Dr. D. P. Basti** Published a paper on “Numerical Analysis of Differential Equations using Haar Wavelets” in International Journal of Research and Innovation in Applied Science (IJRIAS) ISSN No.:2454-6194 Volume 10, Issue 4, on 01-05-2025.

★ **Dr.Shailaja Shirkol & Dr. Preeti J.** Published a paper on “Second Zagreb Index of k-Splitting Graph of Generalized Transformation Graphs” in the Journal of Dynamics and Control. Volume 9 Issue 5: 57-73, ISSN: 1672 -6553. DOI: <https://doi.org/10.71058/jodac.v9i5006> May 2025.

★ **Dr. Basavaraj H.** Presented the Research Article entitled “A Novel Wavelet Method for the Numerical Solution of Neutral Differential Equations with Proportional Delay” in the “International Conference on Mathematical Analysis and Its Applications- Hybrid Mode (ICMAA-HM-2025)” held during 28th to 30th June 2025 organised by Department of Mathematics, KUD, Dharwad.



★ **Dr. Shailaja S.** Delivered invited talk on the topic Science and Technology in NSS Program organised by Government Women’s Polytechnic College, Hubli on 15-03-2025.

★ **Dr. Varsha J.** Delivered Special Lecture on “Relevance of Vedic Mathematics in Science and Business” at Government First Grade College for Women, Dharwad on 08-04-2025.

Faculty Corner

★ **Dr. Shailaja S., Dr. Preeti J.** Successfully participated in the 3 Day Faculty Development Program on “Signal Processing for Cognitive Neuroscience Applications” organized by Department of Computer Science and Engineering in association with ITIE Knowledge Solutions, Bengaluru from 09-01-2025 to 11-01-2025 at SDM College of Engineering and Technology, Dharwad.

★ **Dr.Shailaja Shirkol & Dr. Preeti J.** has attended 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.

★ **Dr. D. P. Basti** Attended Ph.D. Comprehensive Viva at UBDT College of Engineering, Department of Mathematics, Davangere on February 2025.

★ **Dr. Shailaja Shirkol & Dr. Preeti J.** Participated in webinar on scientific writing and publishing by Springer Nature conducted by VTU Belagavi on 19th Feb 2025.

★ **Dr. Basavaraj H.** Attended Vijnana Sambhrama-2025 on 24th and 25th February 2025 at Dharwad Regional Science Centre, Dharwad , Karnataka

★ **Dr.Jenifer K.** Attended and successfully completed the online workshop (NPTEL) on "Developing Junzi Personality" by Dr.Abraham Curil Isaac, Assistant Professor, IIT Guwahati on 15-03-2025.

★ **Dr. Varsha J.** Presented paper titled “Relevance of Vedic Mathematics in E-Commerce” on 05-04-2025 at the One Day National Conference “Navigating the Future of E-Commerce: Trends, Innovations and Opportunities

★ **Dr. Shailaja Shirkol** Attended One week FDP on Intelligent computing: Exploring Data Science and Artificial Intelligence organized by Department of Computer Science engineering of Nutan College of Engineering and research from 24th March 2025 to 28th March 2025.

★ **Dr. Jenifer K.** Attended Workshop on “Paradoxical Safety Leadership” by Dr. Abraham Cyril Issac, Asst. Prof., IIT Guwahati on 05-04-2025 organised by NPTEL online.

★ **Dr. D. P. Basti** Attended meeting of “Board of studies” Applied Sciences & Humanities on 11th April, 2025 at Department of Mathematics Bapuji Institute of Engineering and Technology, Davanagere (Autonomous).

★ **Dr. Jenifer K.** Two Research Scholars: Megha Kulkarni & Holabasayya Irayya Sankannavar have been Awarded with Ph.D. at 25th Annual Convocation at VTU Belgavi on 28-04-2025 (PDC).

★ At Techno-Cultural Event Insignia'25 at SDMCET, Dharwad held on 16-05-2025 and 17-05-2025, 3 events were conducted.

Department Coordinator: Dr. Basavaraj H.,

Event 1.: Math Hunt: Coordinator: Dr. Varsha D.J. and Prof. P.S.Badiger.

Event 2.: Math Relay: Coordinator: Dr. D.P.Basti and Dr. Shreekant K.

Event 3.: Poster Presentation: Coordinator: Dr. Shailaja S. and Dr. Preeti J.

★ **Dr. Varsha J.** Successfully completed eight days online short-term training program on NEP Orientation and Sensitization Program conducted by UGC-MMTTC, Karnataka University Dharwad from 16-06-2025 to 25-06-2025.

★ **Dr. Varsha J.** Participated in One Week National Level online FDP on “Mastering Operations Research (OR) with Advanced Tools Python, SageMath, MATLAB and LaTeX Draw held from 23-06-2025 to 28-06-2025 organised by Indian Mathematics Professor Association and Infinity Research and Development Institute, Coimbatore.

★ **Dr. Basavaraj H.** Chaired the session International Conference on Mathematical Analysis and Its Applications- Hybrid Mode (ICMAA-HM-2025)” held during 28th to 30th June 2025 organised by Department of Mathematics, KUD, Dharwad.

