

# 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-VII**  
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**Dr. Jenifer Karnel**  
Editor-in-Chief

**Dr. Basavaraj H**  
Editor

**Prof. Shreekanth K**  
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

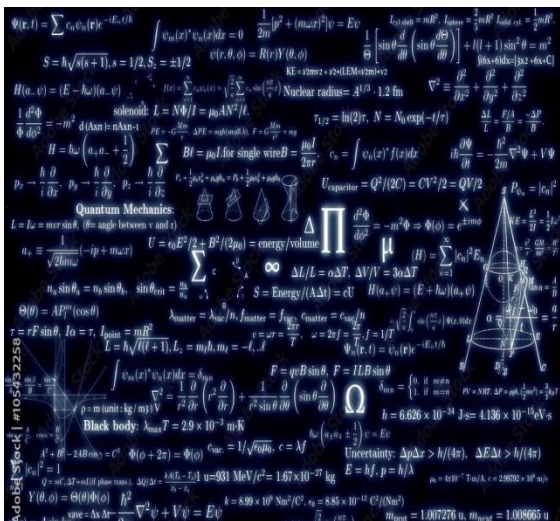
It gives me great pleasure to present this Seventh issue of News-Letter. Faculties have involved themselves in research, academic work and also involved in activities with other colleges. Congratulations to all!! High light of this issue is the award of Ph.D to Ms. Varsha Joshi!! Congratulation Dr. Varsha !! Also my best wishes to all the faculty

Dr. Jenifer Karnel

### “Faculty Achievement”



★ Mrs. Varsha D. Joshi is awarded with a doctorate degree on 10<sup>th</sup> March 2022 by VTU Belagavi at the 21<sup>st</sup> convocation ceremony.



## “Event Judge”



★ **Dr. Jenifer J. Karnel:** Judge for event "Nail me on the wall" a digital poster making for grade 9-12 organized by Presidency School Bangalore North on 29-1-2022 under the Youth Leadership Summit. Youth Leadership Summit 21-22 focuses on the Sustainable Development Goals (SDG 2030) proposed by United Nations Organization for implementation across nations

## Research Paper Presentation



★ **Prof. Shreekant Kanguri** Participated and presented a paper entitled “**Squeeze Film Lubrication on Porous Secant Curved Circular Plates Induced by Micropolar Fluids**” in the 3<sup>rd</sup> International Conference on Mathematical Techniques and Applications (e-ICMTA - 2022) organized by Department of Mathematics SRM Institute of Science and Technology Kattankulathur – 603 203, Tamil Nadu, India from 23.03.2022 to 25.03.2022

★ **Prof. Shreekant Kanguri** Participated and presented a paper entitled “**Lubrication of Squeeze Film Between Porous Secant Curved Circular Plates are Coupled with Surface Roughness and Micropolar Fluids**” in the 2nd International Conference on “Computational Sciences - Modelling, Computing and Soft Computing” (CSMCS 2022) Department of Mathematics Department of Mathematics Manipal Institute of Technology, Manipal, India, from March 28 – 30, 2022

★ **Prof. Shreekant Kanguri** Participated and Presented a paper entitled “**Squeeze Film Lubrication Between Secant Rough Curved Circular Plates: Effects of Surface Roughness and Micropolar Fluids**”, will publish in the UGC CARE - Web of Science/SCOPUS indexed journals, in International conference on emerging trends in applied mathematics ICETAM-2022, organized by Department of Mathematics, Mount Carmel College, Autonomous, Bengaluru-560052 Karnataka, India. From 21-22 APRIL,2022.

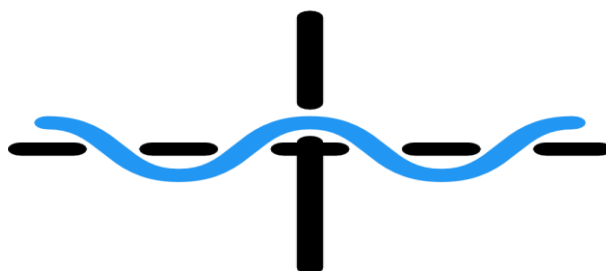
★ **Dr. Basavaraj Hoogar** Participated and Presented a Research paper entitled “**Modified Numerical Technique for Fractional Delay Differential Equations via Taylor Wavelets**” in the International Conference on Analysis and Applied Mathematics-2022 (ICAAM-2022), held during 26-28 April 2022 at Centre for Research and Post Graduate Studies in Mathematics, ANJAC, Sivakasi, Tamilnadu, India.

## RESEARCH PUBLICATIONS



★ **Dr. Shailaja S Shirkol & Prof. Preeti Jinagouda** published paper on Applications of domination parameters in qspr studies in the Journal of Computational Mathematica.

★ **Dr. Shailaja S Shirkol** published paper on Roman and k- rainbow Domination of degree splitting graph published in Palestine Journal of Mathematics, Vol 11 (3) 2022, 57-62.



## Faculty Corner:

★ **Dr. Jenifer J. Karnel** has participated in a 5-days faculty development program on Universal Human Values (ONLINE) from 29-3-2022 to 2-4-2-22.

★ **Dr. D. P. Basti**, Participated in International Webinar on “A Guided tour of Taylor and Francise Books & amp; Journals”, In collaboration with Visvesvaraya Technical University, held on 03-03-2022.

★ **Dr. Basavaraj Hoogar** has participated in the International Webinar on “Numerical Explosive Combustion Models: Multiplicity and Simulations” By the Department of Mathematics ManvaRachana University, Faridabad, Haryana, India. on 08-04-2022.

★ **Dr. Dhanapal P. Basti** - Participated in International Webinar on “**Modular Forms and its Applications**”, organized by Department of Mathematics, **The National Institute of Engineering, Mysuru** held on 10-02-2022.

★ **Prof. Shreekant Kanguri** - Participated in the “Five Days Online Faculty Development Program on “**Scientific Application Packages for State-of-the-Art Technical Computing**” organized by Department of Mathematics, School of Engineering, Presidency University, Bengaluru - 560 064, Karnataka State, India from 14 March 2022 to 18 March 2022.

★ **Prof. PreetiJ inagouda** - Participated in the “Five Days Online Faculty Development Program on “Scientific Application Packages for State-of-the-Art Technical Computing” organized by Department of Mathematics, School of Engineering, Presidency University, Bengaluru - 560 064, Karnataka State, India from 14 March 2022 to 18 March 2022.

★ **Prof. Preeti Jinagouda** - Participated in the “Three Days International E- Seminar on Advances in Mathematical Sciences (ISAMS-2022) during March 14-16, 2022 organized by Department of Mathematics of School of Physical Science Control University of Karnataka Kalaburagi.

