

# 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)

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

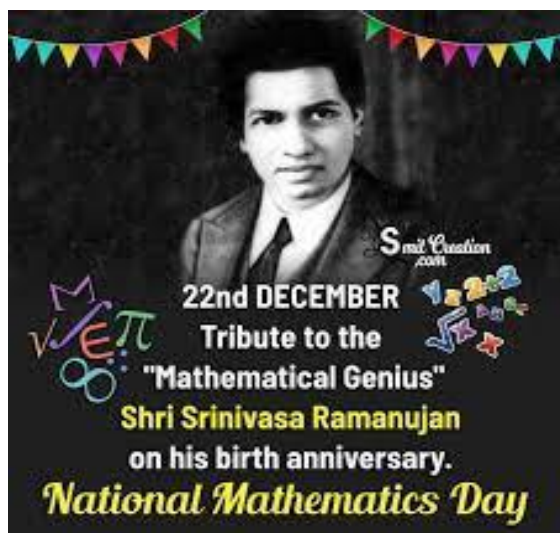
**Mr. Basavaraj H**  
Editor

**Mrs. Varsha Joshi**  
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

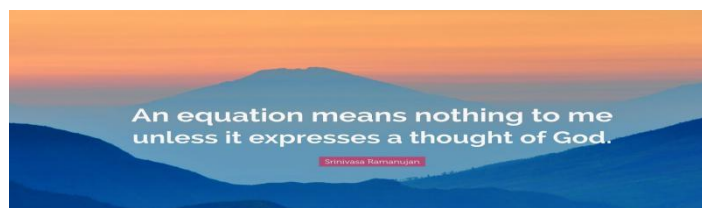
It gives me great pleasure to present this Sixth issue of News-Letter. Department faculties have involved themselves in various activities as research, paper presentation, participation in conference/workshops, radio talk highlighting the importance of mathematics in engineering and contribution of S.Ramanujan to mathematics. High light of this issue is the award of Ph.D to Shri Basavaraj!! Congratulation Dr.Basavaraj !! Also my best wishes to all the faculty



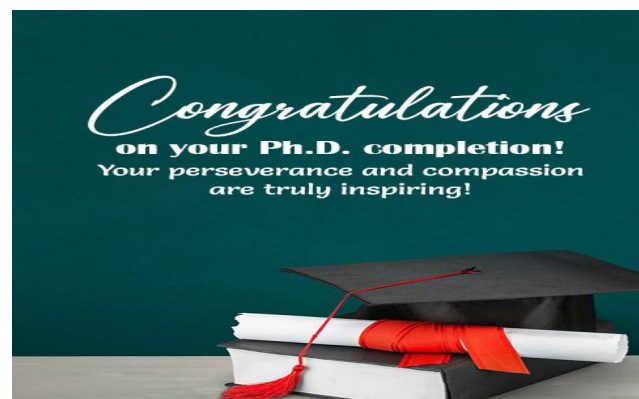
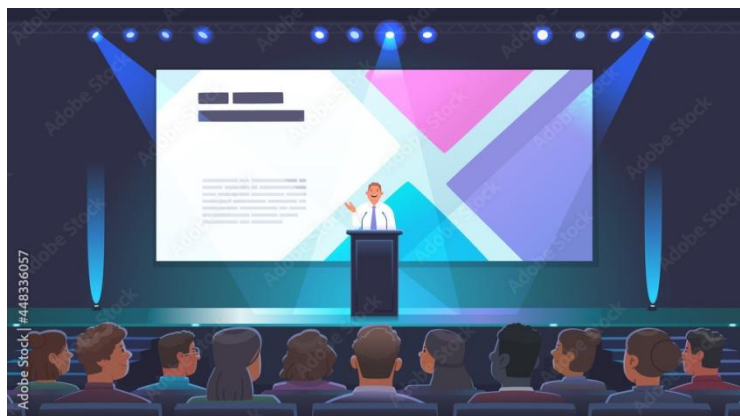
### “Radio Talk”



- **Dr. Basavaraj Hoogar** has given Radio Talk in SDM Radio Engineering ‘Swalpa Kelri’, Title of the AIR talk is “Importance of Mathematics in Engineering Studies” broadcasted on 10-12-2021.
- **Dr. D.P.Basti** also given \_Radio talk in SDM Radio Engineering ‘Swalpa Kelri’, Title of the AIR talk is “Ganita Lokada Mahaa Medhavi Shrinivas Ramanujan” broadcasted on 22-12-2021.



## Faculty Corner:



★ **Dr. Basavaraj Hoogar** has attended National Mathematics Day as a **Chief Guest and delivered a talk on “Importance of Mathematics in Daily Life”** on 22-12-2021 at Dr. R. B. Patil Mahesh PU College , Priyadarshini Colony, Gokul Road, Hubballi.

★ **Dr. D.P. Basti:** Submitted VGST Project proposal Karnataka Fund for Infrastructure Strengthening in Science & Technology (K-FIST Level – I, Amount Rs. 12, 99,189/-), on 20-02-2021. The above Project proposal shortlisted by proposal’s selection committee for VGST and invited for an online presentation on 23<sup>rd</sup> July, 2021.

★ **Dr. S.S. Shirkol**, participated in 24<sup>th</sup> virtual webinar on role of Mathematics in Science & Technology held on the 25<sup>th</sup> of June 2021 at Reva University Bangalore, India.

★ **Prof. Preeti Jinagounda** , participated in the Five days National FDP titled “Innovative Teaching and Research in Science: Exploring The New Harizons” organized by Forum in Association with IQAC, Government First Grade College , Vijayanagar, Karnataka Held from 10<sup>th</sup> to 15<sup>th</sup> June 2021.

★ **Prof. Preeti Jinagounda**, participated and Presented paper entitled “On Domination Number and Eccentric Connectivity Index of Transformation Graphs” in the Virtual International Conference on Discrete Mathematics & Combinatorics 2021 (ICDMC 2021), organized by Department of Mathematics, Poornaprajna College & Postgraduate Centre, Udupi held during 22-23 July , 2021.

★ **Prof. Preeti Jinagouda**, presented a paper entitled "Applications of Domination Parameters in QSPR Studies" in the virtual National Conference on New Trends in Applied Mathematics (NCNTAM) 2021 organized by Department of Mathematics, University Institute of Engineering & Technology (U.I.E.T.), Chhatrapati Shahu Ji Maharaj University Kanpur , during October 11 - 12 , 2021.

★ **Mr. Basavaraj Hoogar** has completed Ph.D. Viva-Voce on 29<sup>th</sup> September 2021 under the guidance of Prof. S.C. Shiralashetti, Professor, Department of Mathematics, Karnatak University, Dharwad, Karnataka. He is awarded with the Ph.D. Degree by Karnatak University, Dharwad .

★ **Prof. Varsha Joshi & Dr. Jenifer Karnel** published Paper on “Regular generalized fuzzy b-separation axioms in fuzzy topology” in International Journal Ratio Mathematica Volume 40, June 2021, PP 151-162, ISSN 195-7415.

★ **Dr. Jenifer Karnel** published Paper on “Some studies on generalized #rg-open sets and generalized #rg-operators” in Mathematical Sciences international Research Journal Volume 10, July 2021, issue 2, ISSN 2278-8697.

★ **Prof. Preeti Jinagounda** Participated in the one week online National level FDP titled “Role of Mathematics in Latest Engineering Trends” organized by Department of Mathematics under department Science Humanities, Lords Institute of Engineering and Technology, Hyderabad from 4<sup>th</sup> June to 10<sup>th</sup> June 2021.

★ **Prof. Basavaraj Hoogar** has participated in Two Days National level Webinar on "Advances in Mathematical Sciences and its Applications in Engineering and Research (AMSAER) - 2021" organised by Department of Mathematics, BIET, Davangere on 11th and 12th of August 2021.

★ **Dr. Basavaraj Hoogar** has participated in an International workshop on “Wavelets and Its Applications: Image Processing, Data Science and PDE’s” organized by the department of Mathematics, Manav Rachna University, Faridabad, India in collaboration with Department of Mathematics IIT, Indore, India from 06<sup>th</sup> – 10<sup>th</sup> December 2021.

★ **Prof. Varsha Joshi** participated in the 5 days online FDP on MATHEMATICAL DEVELOPMENTS IN CRYPTOGRAPHY AND DATA SCIENCE organized by department of mathematics, Ramaiah Institute of Technology, Bangalore held during Aug 9-13, 2021

★ **Dr. Basavaraj Hoogar** has participated in an International workshop on “Wavelets and Its Applications: Image Processing, Data Science and PDE’s” organized by the department of Mathematics, Manav Rachna University, Faridabad, India in collaboration with Department of Mathematics IIT, Indore, India from 06<sup>th</sup> – 10<sup>th</sup> December 2021.

★ **Prof. Shreekant Kanguri**, participate and Presented a paper entitled “Surface Roughness and Micropolar Fluid Have a Combined Effect on Squeeze Film Characteristics between a Curved Circular Plate and a Rough Porous Flat Plate” in the Second International Conference on Recent Trends in Applied and Computational Mathematics (ICRTACM-2021) organized by the School of Applied Sciences, Department of Mathematics, held on 8<sup>th</sup> and 9<sup>th</sup> of October 2021.

★ **Dr. D.P.Basti & Shreekant Kanguri**, participated in International Webinar on “Introduction to Differential Equations and its Approximate solutions”, organized by Department Basic Science, Sri Venkateshwara College of Engineering, Bengaluru held on 12-08-2021.

★ **Dr. Basavaraj Hoogar** has participated in the three Days National Level Virtual FDP on Graph Theory” held from 21<sup>st</sup> – 23<sup>rd</sup> December 2021 by the Department of Mathematics (CA), Vellalar College for women, Coimbatore – 46, Tamil Nadu.



## Gallery

