



BMS COLLEGE OF ENGINEERING, BENGALURU-19

Autonomous Institute, Affiliated to VTU

DEPARTMENT OF MATHEMATICS

Activities in the month of July 2020

1. Dr T. N. Vishalakshi , Professor, Department of Mathematics attended Online FDP on E-Content Development for Blended Learning organised by New Horizon College of Engineering, Bengaluru from 25/07/2020.
2. The following faculty members of the Department have attended Seven Weeks Online non-credit Course on Programming for Everybody (Getting Started with Python) organised by University of Michigan offered through **Coursera** on 29/07/2020.

i.	Dr Gayathri M.S.
ii.	Dr Gomathi P.
iii.	Dr Chandrashekara G.

3. Dr P. Gomathi., Assistant Professor, Department of Mathematics published a research paper titled: Laceability Properties in Edge Tolerant Corona Product Graphs in the TWMS Journal of Applied and Engineering Mathematics, Vol.10, No.3, pp: 734-740, July 2020.
4. Mr Anthony Christy Melson, Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Online workshop on How to Choose Right Journal? organised by BMS College of Engineering, Bengaluru on 14/07/2020.
 - ii. Online FDP on E-Content Development for Blended Learning organised by New Horizon College of Engineering, Bengaluru from 25/07/2020.
5. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Online One week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation organised by Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra from 01/07/2020 to 06/07/2020.
 - ii. Online Webinar on Basic Spectral Graph Theory organised by KLS Gogte Institute of Technology, Belagavi from 03/07/2020 to 04/07/2020.
 - iii. Online Six day National Webinar series on Applications of Mathematics organised KPR Institute of Engineering and Technology, Coimbatore from 06/07/2020 to 11/07/2020.
 - iv. Online Two Days Webinar on Number Theory and its Application to Cryptography organised by The National Institute of Engineering, Mysuru from 10/07/2020 to 11/07/2020.
 - v. Online workshop on How to Choose Right Journal? organised by BMS College of Engineering, Bengaluru on 14/07/2020.
 - vi. One Week Online STTP on Application of Mathematical Sciences organised by KDK College of Engineering, Nagpur from 13/07/2020 to 18/07/2020.
 - vii. Five day Online FDP on Mathematical Concepts By Using Free Open Source Softwares (FOSS) organised by BMSIT, Bengaluru from 21/07/2020 to 25/07/2020.



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6. Dr Sujatha N. , Assistant Professor, Department of Mathematics published the following research papers titled:
 - i. Mathematical Modeling of Action potential of Purkinje Fiber Cells and Primary ION Channels Role-A Review in the Journal of Critical Reviews, Vol. 7, Issue:14, pp: 1153-1159, ISSN: 2394-5125, July 2020.
 - ii. Mathematical Modeling of Action Potential of Human Ventricular Myocytes-A Review in the Journal of Critical Reviews, Vol. 7, Issue:14, pp: 1160-1167, ISSN: 2394-5125, July 2020.
7. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics Invited as a Resource person to deliver a talks in the following programmes in online mode:
 - i. 5 Day Webinar on Mathematical Perspectives on Computational Science and Engineering at Ramaiah Institute of Technology, Bangalore from 06/07/2020 to 10/07/2020.
 - ii. One week virtual workshop with the theme “MATLAB for Engineers” at EASYSOLVE Private Limited, Bangalore from 27/07/2020 to 01/08/2020.
 - iii. Attended Online National Webinar on Numerical and Scientific Computing organised by School of Basic Science, Manipal University, Jaipur on 01/07/2020.
8. Dr Chaitra V., Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Two Day Online FDP on Application of Mathematics in Engineering organised by Mahatma Gandhi Institute of Technology (MGIT), Hyderabad from 03/07/2020 to 04/07/2020.
 - ii. eQuiz on Elementary Graph Theory organised by Dr. P. Dayananda Pai-P. Sathisha Pai Govt. First Grade College, Mangalore on 03/07/2020.
 - iii. Online Webinar on Basic Spectral Graph Theory organised by KLS Gogte Institute of Technology, Belagavi from 03/07/2020 to 04/07/2020.
 - iv. Online Two day National Webinar on Applications of Mathematics in Engineering and Physics organised by A.G & S.G. Siddhartha Degree College of Arts and Science, Vuyyuru, AP from 10/07/2020 to 11/07/2020.
 - v. Five Days National Level Online FDP on Finite Element Analysis Practice and MATLAB organised by Tontadarya College of Engineering, Gadag from 13/07/2020 to 17/07/2020.
 - vi. One Week Online STTP on Application of Mathematical Sciences organised by KDK College of Engineering, Nagpur from 13/07/2020 to 18/07/2020.
 - vii. Five day Online FDP on Mathematical Concepts By Using Free Open Source Softwares (FOSS) organised by BMSIT, Bengaluru from 21/07/2020 to 25/07/2020.
9. Dr Deepthee M.R., Assistant Professor, Department of Mathematics:
 - i. published the following research papers titled: Near field acoustical holography – a Wigner function approach in the Journal of Sound and Vibration, [Volume 486](#), 115593, PP: 01-13, July 2020. <https://doi.org/10.1016/j.jsv.2020.115593>
 - ii. Attended One Week Online STTP on Application of Mathematical Sciences organised by KDK College of Engineering, Nagpur from 13/07/2020 to 18/07/2020.
 - iii. Attended Five day Online FDP on Mathematical Concepts By Using Free Open Source Softwares (FOSS) organised by BMSIT, Bengaluru from 21/07/2020 to 25/07/2020.



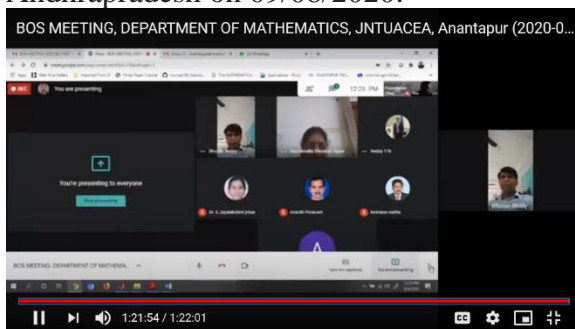
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Activities in the month of August 2020

1. Dr Gayathri M.S., Assistant Professor, Dr Gomathi P., Assistant Professor, Mr Rahul R., Assistant Professor, and Dr Chandra Shekara G., Assistant Professor, Department of Mathematics were attended AICTE Sponsored Online Short term Training Program on Mathematical Foundations of Machine Learning (Linear Algebra & Probability Basis) organised by NMAM Institute of Technology, Nitte from 07/08/2020 to 13/08/2020.
2. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended the BOS meeting as External Member at JNTUA College of Engineering, Anantapur, Andhrapradesh on 09/08/2020.



3. Dr T. N. Vishalakshi, Professor, Department of Mathematics participated in the One Week Online National Level FDP on The Role of Discrete Mathematics, Combinatorics & Graph Theory in Science and Technology organised by JNN College of Engineering, Shivamogga form 10/08/2020 to 14/08/2020.
4. Dr Chaitra V., Assistant Professor, Department of Mathematics attended the following courses:
 - a. Online non-credit course on Python Basics organised by University of Michigan offered through Coursera from 10/08/2020 to 03/09/2020.
 - b. Four Weeks online non-credit course on Programming for Everybody (Getting Started with Python) organised by University of Michigan offered through Coursera on 13/08/2020.
5. Dr. S. Jayanthi, Professor, Department of Mathematics published a research paper entitled “Numerical Study of Darcy Forchheimer Unsteady Mixed Convection Flow of Nanofluid With an Exponentially Decreasing Free-Stream Velocity Distribution” in the Computational Thermal Sciences: An International Journal, Vol. 12. No. 4, PP: 289-303, ISSN: 1940-2503(P) 1940-2554 (O), August 2020.
6. Dr Vanishree B.N., Assistant Professor, Department of Mathematics participated in the International Conference on The Pandemic and The Future of Capitalism organised by St Aloysius College, Mangaluru on 13/08/2020.
7. Mr Harsha S.V., USN: 1BM17PGA02, research scholar from Department of Mathematics completed his online Pre-Ph.D. Comprehensive Viva-Voce Examination from VTU, Belagavi under the Guidance of Dr Chandrashekara G., Assistant Professor, Department of Mathematics, BMSCE on 13/08/2020.



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8. Dr Gayathri M.S., Assistant Professor, Dr Gomathi P., Assistant Professor, Mr Rahul R., Assistant Professor, and Dr Chandra Shekara G., Assistant Professor, Department of Mathematics were attended AICTE Sponsored Online Short term Training Program on Mathematical Foundations of Machine Learning (Statistics and Neural Basis) organised by NMAM Institute of Technology, Nitte from 14/08/2020 to 21/08/2020.
9. Mr Anthony Christy Melson, Assistant Professor, and Ms Shazia P.S., Assistant Professor, Department of Mathematics were attended the online webinar An Introductory Course on Fluid Dynamics organised by Christ (Deemed to be University), Bangalore from 17/08/2020 to 20/08/2020 and 24/08/2020 to 28/08/2020.
10. Ms Sheeba N., Assistant Professor, Department of Mathematics and Humanities attended the Ten-Day online workshop on Effective Teaching, Learning & Research in Law: Covid-19 Challenges organised by Osmania University, Hyderabad from 17/08/2020 to 27/08/2020.
11. Ms Bhavya N.P., USN: 1BM15PGJ06, research scholar from Department of Mathematics completed her online Pre-Ph.D. Comprehensive Viva-Voce Examination from VTU, Belagavi under the Guidance of Dr M.S. Gayathri, Assistant Professor, Department of Mathematics, BMSCE on 20/08/2020.
12. Ms Sheeba N., Assistant Professor, Department of Mathematics and Humanities participated the Online National Webinar Series on The Consumer Protection Act 2019, Rule & Regulations Organised by National Law School of India University, Bangalore from 21/08/2020 to 26/08/2020.
13. The Department of Mathematics organised Online One week Faculty / Student Development Programme on **Python Programming**, in association with spoken tutorials, IIT Bombay from 24/08/2020 to 29/08/2020. Total 64 Participants completed the said program.



One week Faculty Development Programme on Python Programming

About Python Program
Python is one of the most popular programming languages today. It is a general purpose, high-level, multi-paradigm programming language that is easy to learn and use. It is a high-level, multi-paradigm programming language that is easy to learn and use. It is a high-level, multi-paradigm programming language that is easy to learn and use.

Topics to be covered
Introduction to Python
Data types and operators
Control flow statements
Functions
Modules and Packages
File handling
Exception handling
Regular expressions
Database connectivity
Networking
Web programming

ORGANISING COMMITTEE

Chief Patron
Dr. P. Deshpande Pillai, Chairman, BMSCE

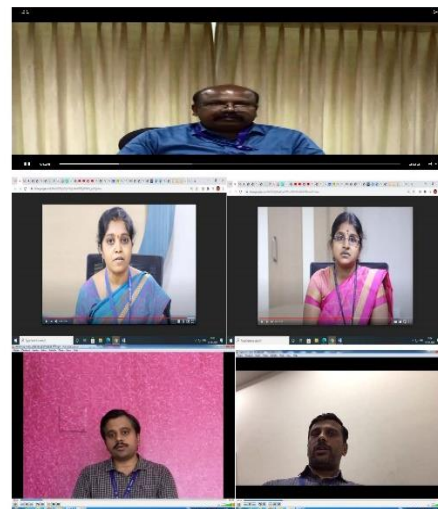
Patron
Dr. R.S. Raghini Narayanan, Dean, BMSCE

Convener
Dr. R. Y. Ramakrishna, Vice-Chancellor, BMSCE

Organising Secretaries
Dr. Gayathri M.S.,
Dr. Chandra Shekara G.,
Dr. Chaitra Jitesh Gowda,

Executive Members
Dr. Gomathi P., Assistant Professor
Mr. Rahul R., Assistant Professor
Dr. Chandra Shekara G., Assistant Professor

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The Event was coordinated by Dr M.S. Gayathri, Dr P. Gomathi, Mr Rahul R. and Dr Chandrashekara G. and the following faculty members of the Department have attended the said programme.

Dr Veena Jawali
Dr H. Y. Shrivalli
Dr T. N. Vishalakshi
Dr P.M. Shivaswamy
Mr Anthony Christy Melson
Ms Shazia P.A.
Ms Silvia Leera Sequeira
Dr B. Mallikarjuna
Dr Chaitra V.
Dr Deepthee M.R.

14. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended the online non-credit course on Classical Cryptosystems and Core Concepts organised by University of Colorado offered through Coursera on 25/08/2020.
15. Dr. Chaitra V., Assistant Professor, Department of Mathematics published a research paper entitled "Restricted Minus Domination Number of A Graph" in the South East Asian Journal of Mathematics and Mathematical Sciences, Vol. 16. No. 2, PP: 289-296, ISSN: 2582-0850(P) 0972-7752 (O), 30/08/2020.
16. Dr. Chandrashekara G., Assistant Professor, Department of Mathematics completed the Online Program on Daily Study Group: Calculus organised by Wolfram U, Bangalore, August 2020.

Activities in the month of September 2020

1. Ms Sheeba N., Assistant Professor, Department of Mathematics and Humanities attended the online non-credit course on Chemerinsky on Constitutional Law – The Structure of Government organised by University of California, Irvine offered through Coursera on 01/09/2020.
2. Dr Gayathri M.S., Assistant Professor, Department of Mathematics attended Online non-credit course of Fundamentals of Graphic Design organised by CALARTS California Institute of the Arts offered through Coursera on 03/09/2020.
3. Mr Anthony Christy Melson, Assistant Professor, Department of Mathematics attended Basic Series of the Web of Science Training & Certification Program 2020 organised by Clarivate, Web of Science on 07/09/2020.
4. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics participated online Short term course on Differential Equations: Solution Techniques and Applications organised by IIT, Guwahati sponsored by AICTE/MHRD, GOI from 07/09/2020 to 12/09/2020.
5. Dr Gayathri M.S., Dr Gomathi P. and, Mr Anthony Christy Melson, Assistant Professor's, Department of Mathematics attended Online Webinar on Fourier Series, Fourier Transforms & Wavelets organised by Dr. AIT, Bengaluru on 09/09/2020.



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6. Dr H.Y. Shrivalli, Professor, and Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended Online National Level Mathematics Webinar Series organised by Mangalore University, Mangalore from 09/09/2020 to 12/09/2020.
7. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics was invited as a Resource person to deliver a talk in the Online Webinar on Glimpses of Shooting Technique for Boundary Value Problems organised by REVA University, Bengaluru on 14/09/2020.



8. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended Online National Webinar on Discrete Math and Computing: The aesthetic interplay organised by Dr. AIT, Bengaluru on 15/09/2020.
9. Dr Chaitra V., Assistant Professor, Department of Mathematics attended AICTE Training and Learning Academy Online FDP on Stress-management organised by Gauhati University Institute of Science and Technology, Gauhati from 21/09/2020 to 25/09/2020.
10. Mr Anthony Christy Melson and Dr Chandrashekara G., Assistant Professor's, Department of Mathematics attended One week online workshop on ODEs, PDEs and Integral Equations: Their Engineering Context (OPIE-2020)organised by National Institute of Technology, Uttarakhand from 21/09/2020 to 26/09/2020.
11. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended Online National Webinar on Recent trends and Applications of Graph Theory organised by Government Degree College, Andhra Pradesh on 27/09/2020.
12. Dr Chaitra V., Assistant Professor, Department of Mathematics attended AICTE Training and Learning Academy Online FDP on Data Sciences organised by IFET College of Engineering 28/09/2020 to 02/10/2020.



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Activities in the month of October 2020

1. Ms Sheeba N., Assistant Professor, Department of Mathematics and Humanities attended the Three days online Faculty Development Programme: Outcome Based Education organized by Subharti University, Meerut in association with Inpods from 08/10/2020 to 10/10/2020.
2. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended the Online International Conference on Advances in Differential Equations and Numerical analysis (ADENA-2020) and presented a paper titled: Comparison of Shooting Technique for Boundary Value Problem using Different Renge-Kutta Methods at IIT, Guwahati from 12/10/2020 to 15/10/2020.
3. Dr. Chandrashekara G., Assistant Professor, Department of Mathematics completed the Online Program on Daily Study Group: Linear Algebra organized by Wolfram U, Bangalore on October 2020.
4. Dr Sujatha N., Assistant Professor, Department of Mathematics attended Online two days International Conference on Number Theory (ICNT-2020) on the occasion of Superannuation of Prof. M.S. Mahadeva Naika organized Bengaluru City University, Bengaluru on 28/10/2020 & 29/10/2020.

Activities in the month of November 2020

1. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended the online non-credit course on Programming for Everybody (Getting Started with Python) organized by University of Michigan offered through Coursera on 13/11/2020.
2. Dr Gayathri M.S., Assistant Professor, Department of Mathematics attended the Online Five-Day Faculty Development Programme (Virtual) On Recent Trends in Fluid Dynamics organized by Sapthagiri College of Engineering, Bengaluru in association with CMTI, Bengaluru from 17/11/2020 to 21/11/2020.
3. Dr. Veena Jawali, Professor, Department of Mathematics published a research paper entitled "The Effect of Magnetic Field on Oberbeck Double Diffusive Convection in an Inclined Rectangular Cavity" in the International Journal of Analytical and Experimental Modal Analysis, Vol. XII, Issue: XI, PP: 859-881, ISSN: 0886-9367, November 2020.
4. Dr Chandra Shekara G., Assistant Professor, Department of Mathematics and Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics were attended the TEQIP – III sponsored Online e-training Faculty Development Programme on Mathematics with MATLAB and Mathematica organized by IIT, Indore from 23/11/2020 to 28/11/2020.



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5. Dr Chandra Shekara G., Assistant Professor, Department of Mathematics and Mr Harsha S.V., Research Scholar, Department of Mathematics were presented a paper titled: Effect of magnetic field on Stability of power law fluid flow through vertical porous channel in the Online National Conference – Jnana Chilume organized by FET, Jain Deemed-to-be-University, Ramanagaram District on 25/11/2020.
6. Department of Mathematics organized the felicitation function to the following employees retired from the service on 30/11/2020 on attaining the age of superannuation:
 1. Dr. G.N. Sekhar, Professor, Department of Mathematics.
 2. Dr. K. Guruprasad, Professor, Department of Mechanical Engineering
 3. Smt. G. Prapulla, Associate Professor, Department of Electronics & Communication Engineering.
 4. Sri K.N. Radhakrishna, Foreman, Department of Civil Engineering
 5. Sri. T.N. Gurumurthy, First Division Assistant, Building Section



7. Dr Sujatha N, Assistant Professor, Department of Mathematics attended online International Webinar on Basics of Image Processing and its Mathematical Insights organized by GJAECMSMA, St. Joseph University, Nagaland, India on 30/11/2020.
8. Mr Anthony Christy Melson, Assistant Professor, Department of Mathematics attended online NPTEL-AICTE FDP on Matrix Analysis with Applications organized by IIT, Roorkee from September 2020 to November 2020.

Activities in the month of December 2020

1. Ms Silvia L.S., Assistant Professor, Department of Mathematics completed her Ph.D. defense on 05/12/2020 under the guidance of Dr B. Sooryanarayana, Professor, Dr. AIT, Bengaluru.
Title of the Thesis: On Certain Alliances in Graphs.
2. Dr Veena Jawali, Professor, Department of Mathematics attended International Conference (Virtual) on Applications of Artificial Intelligence and computational Mathematics (AAICM – 2020) organized by Dayananda Sagar College of Engineering, Bangalore from 07/12/2020 to 09/12/2020.



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3. Dr Chandra Shekara G., Assistant Professor, Department of Mathematics and Mr Harsha S.V., Research Scholar, Department of Mathematics were presented a paper titled: Double diffusive and magnetic field effect on Stability of power law fluid in the Online International Conference on Applications of Artificial Intelligence and Computational Mathematics (AAIACM) organized by Dayananda Sagar College of Engineering, Bengaluru on 07/12/2020.
4. D.R. Sasi Rekha, USN: 1BM13PGN02, Research Scholar, Department of Mathematics completed (Online mode) open seminar-1 on her work on The study of Convective Flows and Heat and/or Mass transfer in a Vertical Slot with combined Driving Forces under the Guidance of Dr Veena Jawali, Professor, Department of Mathematics. BMSCE, Bengaluru on 10/12/2020.
5. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended AICTE Training and Learning Academy Online FDP on Leadership & Excellence organized by BMSCE, Bengaluru from 07/12/2020 to 11/12/2020.
6. Dr Gayathri M.S. and Ms Silvia Leera Sequeira, Assistant Professor's, Department of Mathematics attended MHRD sponsored TEQIP assisted course on Open Source Tools for Online Teaching organized by IIT, Roorkee from 12/12/2020 to 16/12/2020.
7. Mr Rahul R., Assistant Professor, Department of Mathematics presented a paper titled: An Analytical Study of Drug Dynamics with Effect of non Dimensional Parameters in Arterial Drug-Eluting Stent in the Online Two Days International Conference on Mathematical Sciences and Computational Intelligence organised by Shri Mata Vaishno Devi University Katra, J & K, India, In Collaboration with the Advance Research Educational Society on 21/12/2020 and 22/12/2020.
8. Dr Gayathri M.S., Ms Silvia Leera Sequeira and B. Mallikarjuna, Assistant Professor's, Department of Mathematics attended MHRD sponsored TEQIP assisted course on Advanced Digital Pedagogy and ICT Tools: Challenges and Opportunities in Online Teaching organized by IIT, Roorkee from 21/12/2020 to 25/12/2020.
9. Dr Sujatha N., Assistant Professor, Department of Mathematics attended Online 3 day Webinar on Srinivasa Ramanujan – Life, Achievements and Impact on Modern World of Science and Technology organized by Sir M. Visvesvaraya Institute of Technology, Bengaluru from 22/12/2020 to 24/12/2020.
10. Dr Chandra Shekara G., Assistant Professor, Department of Mathematics was invited as a Resource person to deliver a talk on the Topic: Solution of Linear and Nonlinear Differential Equations by using Spectral Collocation Method with MATLAB programming in the Online Three week Workshop on MATLAB in Interdisciplinary Engineering Research organised by BMSCE, Bengaluru in Association with Vimal Jyothi Engineering College, Kannur, Kerala on 23/12/2020.



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11. Mr Rahul R., Assistant Professor, Department of Mathematics attended online NPTEL-AICTE FDP on Linear Algebra organized by IIT, Kanpur from September 2020 to December 2020.
12. Dr Chaitra V., Assistant Professor, Department of Mathematics attended online NPTEL-AICTE FDP on Scientific Computing Using Matlab organized by IIT, Madras from September 2020 to December 2020.
13. Ms Sheeba N., Assistant Professor, Department of Mathematics and Humanities attended online NPTEL-AICTE FDP on Constitutional Studies organized by IIT, Madras from September 2020 to December 2020.
14. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics published a research paper entitled: Multiple Slip and Inspiration Effects on Hydromagnetic Casson Fluid in a Channel with Stretchable Walls in the International Journal of Heat and Technology, Vol. 38, No.4, pp: 817-826, ISSN: 0392-8764, Scopus and Web of Science journal, December 2020.

Activities in the month of January 2021

1. Dr S. Jayanthi, Professor, Department of Mathematics delivered a lecturer on MATLAB-an overview to the First Year B.E students during the induction programme, BMSCE, Bengaluru on 01/01/2021.
2. Dr T.N. Vishalakshi, Professor and Dr Chandra Shekara G., Assistant Professor, Department of Mathematics published a research paper entitled: Effect of an Applied Magnetic Field and Gravity Modulation on the Time Dependent Hydro-Magnetic Instability in Advances in Mathematics: Scientific Journal, Vol.10, No.1, pp: 391-401, ISSN: 1857-8365 (P); 1857- 8438 (Electronic), <https://doi.org/10.37418/amsj.10.1.39>., January 2021.
3. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics published a research paper entitled: Entropy Generation to Predict Irreversibilities in Poroelastic film with Multiple Forces: Spectral Study in the Indian Journal of Physics, pp: 1-14 <https://doi.org/10.1007/s12648-020-01922-0>., 02/01/2021.

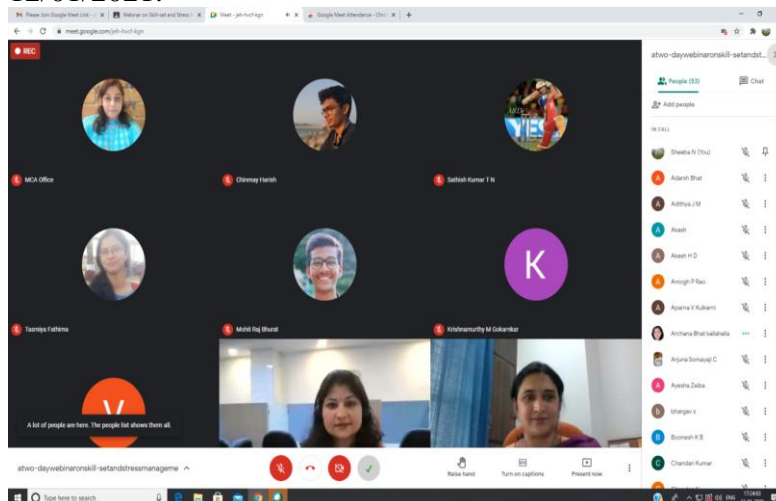


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- A Two-day Webinar on Skillset and Stress Management” organized by the Department of Mathematics and Humanities offered a novel and enriching experience for all the 95 participants of BMSCE. On day one, **Mr. Dheeraj Shetty**, an accomplished General Manager-HR, JBF Petrochemical Ltd., Mangalore, dealt with various methods of communication and importance of communication etiquettes. He comprehensively explained the need to develop skills such as Adaptability, Collaborative Skills and Organisational Skills. He skilfully explained that a goal must be designed based on a **Specific Measurable Realistic Timely Ethical Reasonable (SMARTER)** objective. In conclusion he motivated all the attendees not to get bogged down by failure and make a beeline towards their goal with perseverance. On the second day, **Dr. Archana Bhat Kallahalla**, the Head of the Department, Post Graduate Department of Psychology, Surana College, established the commonality of stress in people's lives and explained how one can manage their stress levels to optimize their performance. She explained the meaning of terms such as Stress, Anxiety, Obsessive Compulsive Disorder and Post Traumatic Stress Disorder. This was followed by an elucidation of various methods to handle, manage and possibly overcome the ill-effects of stress. In the conclusion, the speaker addressed many questions and doubts present in the minds of the students and suggested effective solutions to overcome their stress and anxiety, on 11/01/2021 and 12/01/2021.



- Mr Anthony Christy Melson, Assistant Professor and Dr G. N. Sekhar, Former Professor, Department of Mathematics published a research paper entitled: Nonlinear Analysis of the effect of viscoelasticity on ferroconvection in Heat Transfer, (Wiley), <https://doi.org/10.1002/htj.22055>, 12/01/2021.



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6. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended AICTE Training and Learning Academy Online FDP on Data Sciences organized by Global Academy of Technology, Bengaluru from 19/01/2021 to 23/01/2021.
7. Dr Sujatha N., Assistant Professor, Department of Mathematics attended TEQIP-III sponsored online two week International Winter school on Fluid Dynamics, Heat Transfer and Applications organized by NIT, Uttarakhand from 18/01/2021 to 29/01/2021.
8. Dr Chaitra V., Assistant Professor, Department of Mathematics attended AICTE Training and Learning Academy Online FDP on Mathematics for Machine learning organized by Jayachamarajendra College of Engineering, JSS Science and Technology University 18/01/2021 to 22/01/2021.
9. Dr Sujatha N., Assistant Professor, Department of Mathematics presented a paper entitled: Non-Linear Oberbeck Electroconvection in a Chiral Fluid Flowing in a Vertical Channel with Permeable in the 4th International Virtual Conference on Recent Advancements in Engineering and Technology (ICRAET-2021) Institute for Engineering Research and Publication (IFERP), Delhi on 29/01/2021 and 30/01/2021.

Activities in the month of February 2021

1. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics published a research paper entitled: Impacts of Chemical Reaction, Diffusion-Thermo and Radiation on Unsteady Natural Convective Flow past an Inclined Vertical Plate under Aligned Magnetic Field in Biointerface Research in Applied Chemistry, Platinum Open Access Journal, Volume 11, Issue 5, pp: 13252 – 13267, ISSN: 2069-5837 Scopus Journal. <https://doi.org/10.33263/BRIAC115.1325213267>, February 2021.
2. Ms Wilma Laveena D'Souza., USN: 1BM18PMA01, research scholar from Department of Mathematics completed her online Pre-Ph.D. Comprehensive Viva-Voce Examination from VTU, Belagavi under the Guidance of Dr Chaitra V., Assistant Professor, Department of Mathematics, BMSCE on 06/02/2021.
3. Dr H.Y. Shrivalli and Dr T.N. Vishalakshi, Professor's, Dr Sujatha N., and Dr Chaitra V., Assistant Professor's, Department of Mathematics attended Online One Week FDP on Functional Materials for Engineering Applications organized by BMSCE, Bengaluru in association with MJP Rohilkhand University, Bareilly from 15/02/2021 to 19/02/2021.
4. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics invited as a Resource person to deliver a talk on the Topic: Research Methodology organised by AMC Engineering College, Bengaluru on 24/02/2021.



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INVITED TALK



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RESEARCH METHODOLOGY

Dr. Bandaru Mallikarjuna
Associate Professor
Dept. of Mathematics
BMS College of Engineering, Bengaluru

Dr. C. Manjula Host - Dept. of Maths AMCEC	Dr. G. S. Prasad Coordinator Dept. of Maths, AMCEC	Dr. R. Gangadhar Reddy HoD - Dept. of Maths AMCEC	Dr. A.G. Nataraj Principal AMCEC
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24th Feb 2021
3 P.M

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