



B.M.S. COLLEGE OF ENGINEERING, BENGALURU
Autonomous Institute, Affiliated to VTU

REPORT ON COLLEGE ACTIVITIES – APRIL 2020

April 1, 2020: Dr.C.S.Kaliprasad, Faculty, Department of Physics published research paper titled “Crystalline and optical properties of new synthesized chalcone compound (2E)-1-(4'-bromobiphenyl-4-yl)-3-(2,3-dichlorophenyl)prop-2-en-1-one” Int. J. Materials today, Vol. 15, No. 2, 2020,<https://doi.org/10.1016/j.matpr.2020.03.156> ISSN: 2214-7853 with Impact Factor = 1.09

April 1, 2020: Dr. Kalyan Raj, Professor and Head, Department of Chemistry published research paper titled “Kinetics and Mechanistic Model for Oxidation of Pregabalin by Chloramine - B In Acid Medium” in the Indian Research Journal of Pharmacy and Science, vol.24 (2020) Pg. no. 2063 – 2073, Journal Home Page: <https://www.irjps.in> DOI: 10.21276/irjps.2020.7.1.5

April 3, 2020: Protocol Club of the Department of Computer Science & Engineering organized online event “Capture the Flag: Protoflag 2020” from April 3-5, 2020. The event was conducted using Haker Rank platform. It was a free, individual event and was open for first & second year students of all the departments. Around 120 students signed up for this online event. Participation certificate were provided to all the contestants. Mr.R.Aravindh, Mr.Akshay Mittur and Mr.Sravan were the winners of Protoflag 2020

April 10, 2020: Dr.M.S.Dharmaprakash, Professor and Dr..S.Manjunatha, Faculty, Department of Chemistry published research paper titled “Structural, Morphological and Photoluminescence Studies of Pure ZrO₂ and ZrO₂: Eu⁺³ Nanophosphors Synthesised by Microwave-Assisted Hydrothermal Technique ” Published by Springer Nature

April 23, 2020: Dr.M.V.Murugendrappa, Head, Department of Physics published the following research papers:

- Paper titled “Synthesis and characterization of advanced functional dysprosium doped Sr₂MgSi₂O₇ nanopowders for white LED application K” in Physica B: Physics of Condensed Matter Materials today communications: Elsevier Publication, Volume 590, 1 August 2020, 412195, <https://doi.org/10.1016/j.physb.2020.412195> ISSN: 2352-4928 with Impact Factor = 1.859.
- Paper titled “Structural, thermal and electrical properties of polypyrrole filled with ternary oxide cerium aluminate” in the International Journal Microstructure and Materials Properties, Vol. 15, No. 2, 2020,pp.141–155 Doi:10.1504 / IJMMP 2020.106924ISSN online 1741-8429, ISSN print 1741-8410

April 23, 2020: Dr.B.Mallikarjuna, Faculty, Department of Mathematics published the following research papers:

- Paper titled “Hydrodynamic flow between rotating stretchable disks in an orthotropic porous medium” in the International Journal Songklanakarin Journal of Science Technology, 42(2), pp: 391-397, ISSN No. 0125-3395, April 2020 (UGC approved and SCOPUS journal).
- Paper titled “Computational Study on two-phase MHD buoyancy driven flow in an asymmetric diverging channel in the International Journal Songklanakarin Journal of Science Technology, 42(2), pp: 415-423, ISSN No. 0125-3395, DOI: 10.14456/sjst-psu.2020.54, April 2020 (UGC approved and SCOPUS journal)



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April 24, 2020: Pentagram-The Mathematical Society of BMSCE conducted the following online programmes:

- Puzzle Week was a free puzzle event conducted during the lockdown with a purpose to bring in some joy with interesting puzzles. It was conducted on the social media platform (Instagram) for a duration of one week from April 24-30, 2020.
- ‘Hourglass’ in collaboration with BMSCE IEEE PES - portal: <https://bmscepentagram.wixsite.com/mysite>.