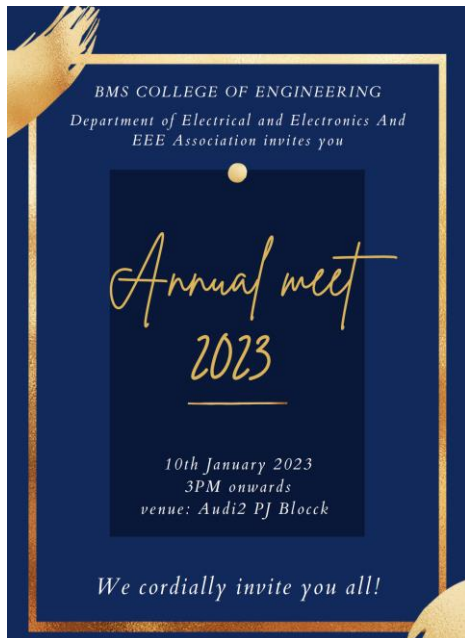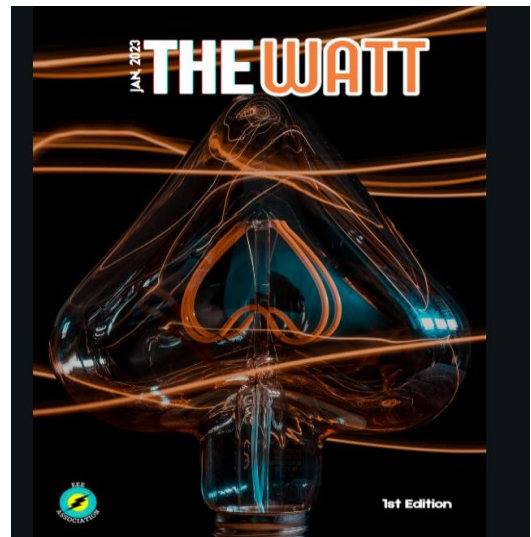## Activities in the month of January 2023

3rd January 2023: Dr. R S Geetha, Associate Professor , Prof. Divya S, Assistant Professor in the Department of Electrical & Electronics and UG students Ms. Varsha and Mr. Stephen published a book chapter titled "Design and Development of an Electrical Power System for a 3U Cubesat" pp 127–146 in the Smart Small Satellites: Design, Modelling and Development, Part of the Lecture Notes in Electrical Engineering book series (LNEE,volume 963), Proceedings of the International Conference on Small Satellites, ICSS 2022.

10th January 2023: Department of Electrical and Electronics And EEE Association conducted a EEE Association, Annual Meet 2023

The event witnessed the Magazine **"The Watt"** launch and introduction of the new team of office bearers for the year 2023.
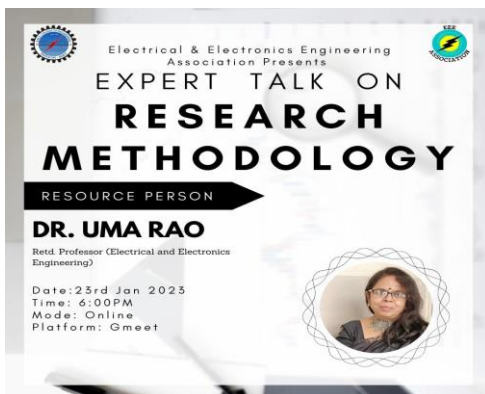

13th January 2023: Dr. Chandasree Das has delivered an invited talk on

"Chalcogenide Glasses: Materials for Next Generation Memory Technology" in the Faculty Development Program on Advanced Materials and Manufacturing Techniques (AMMT-2023) jointly organized by BMS Evening College of Engineering and Department of IEM BMSCE from 9-14 January 2023.

23rd January 2023: Department of Electrical and Electronics And EEE Association conducted an Expert Talk on "Research Methodology" by Dr. Uma Rao, Retd. Professor (Department of EEE) on 23rd January 2023 at 6 PM in online mode.

23rd January 2023: Dr. Prema V, Associate Professor, Department of Electrical & Electronics was invited as a resource person for a three day workshop on 'Control Systems fundamentals using MATLAB' conducted by RV College of Engineering during 23-25th January 2023.

25th January 2023: Jagannatha K.B., research scholar of **Dr. Chandasree Das** has defended his PhD thesis at Sir M.V. Hall, BMSCE with thesis titled as "Electrical Switching & Set-Reset Studies of Amorphous Chalcogenides for Phase Change Memory Application".

Activities in the month of February 2023

11th February 2023: The student branch chapter of IEEE PELS & IES joining SBC of BMSCE received outstanding student branch

chapter award for their dedicated and outstanding performance throughout the year 2022.

11th February 2023: Dr. Prema V, Associate Professor, Dept. of Electrical & Electronics Engineering, received outstanding Ex-Officio award from IEEE-PELS Bangalore chapter for dedicated voluntary contribution to the PELS chapter throughout the year 2022.

11th February 2023: Prof..Chaitanya L, Assistant Professor, Dept. of Electrical & Electronics Engineering, received outstanding Ex-Officio award from IEEE-IES Bangalore chapter for dedicated voluntary contribution to the IES chapter throughout the year 2022

11th February 2023: Shravan S Rao, EEE UG student, Dept. of Electrical & Electronics Engineering, received outstanding volunteer award from IEEE-PELS Bangalore chapter for dedicated voluntary contribution to the PELS chapter throughout the year 2022

11th February 2023: Shrinivas B Mural, EEE UG student, Dept. of Electrical & Electronics Engineering, received outstanding volunteer award from IEEE-IES Bangalore chapter for dedicated voluntary contribution to the IES chapter throughout the year 2022

25th February 2023: A felicitation function was arranged by the Department of Electrical and Electronics Engineering and EEE Association for Sri.Shantaram, Associate Professor, Dept. of EEE and Sri.Narayana, Senior Driver, Dept. of EEE, for attaining the age of superannuation.

27th February 2023: Dept of EEE and Dept of EIE in collaboration with EEE Association, ISA BMSCE Student Section organized a One week Training Program for non-teaching staff on "Computer Proficiency and Skill Development" from 27th February to 3rd March 2023.

27th February 2023 :**Dr. UMAVATHI M**., Assistant Professor, Dept. of EEE, B.M.S. C.E delivered a session "Training on Solar PV Simulator" in One week Training Program for non-teaching staff on "Computer Proficiency and Skill Development" organized by Dept of EEE and Dept of EIE in collaboration with EEE Association, ISA BMSCE Student Section during 27th February to 3rd March 2023.

Activities in the month of March 2023

3rd March 2023: The valedictory function for the One week Training Program for non-teaching staff on "Computer Proficiency and

Skill Development" organized by Dept of EEE and Dept of EIE in collaboration with EEE Association, ISA BMSCE Student Section during 27th February to 3rd March 2023 was held on 3rd March 2023.

14th March 2023: Department of EEE organized a Value Added Course "Semiconductor Devices, Applications to Renewable Energy and EVs" from 14th March 2023 to 20th March 2023 for 5th semester students. The inaugural function was held on 14th March 2023.

21st March 2023: Merit cum means scholarship was given away - by element14 company. From EEE dept the following students received the scholarship Rudresh, Shravan S Rao, Srinivas B mural, Anul Suvarna and Akshaya M V (branch change to AI ML).

27th March 2023: Department of EEE organized a Faculty Development Program on "Recent Trends in Power Electronics Applications to Renewable Energy, Smart Grids and Electric Vehicles. " from 27th March 2023 to 31st March 2023.

27th March 2023: Department of EEE organized a Value added course on "Industrial Process and Automation" from 27th March 2023 to 31st March 2023 for 5th semester students. The inaugural function of the VAC on 27th March 2023 at 10am in BSN Hall.

29th March 2023 : Dr. Venkatesh Boddapati delivered an expert talk on Electrical safety at Workplace at Biotechnology department ,B.M.S College of Engineering,Bangalore.

31st March 2023 : Dr. Prema V, Associate Professor, dept. of EEE delivered an expert talk on 'Introduction and Applications of Fuzzy Logic Controllers' at The Oxford College of Engineering, Bangalore.

Activities in the month of April 2023

1st April 2023: The AGM of BMSCE IEEE SSIT Student Branch was held on 1st April 2023 under the guidance of Dr. C. Lakshminarayana, IEEE SSIT BMSCE SB chapter faculty advisor.

5th - 10th April 2023 : Dr.Umavathi M, Assistant Professor in the Department of EEE has secured second place in Throwball-women Intramural-23, and also Smt. Lakshmi P, SDA, has secured First place in Chess-Women and Throw ball First place,organized by the department of physical Education and sports science, B.M.S College of Engineering .

12th - 13th April 2023 : Dr.Umavathi M, Assistant Professor in the Department of EEE has secured second place in Throwball-women Milanotsava-23, and Mr. Venkatesh

S, has secured First place in the Cricket Tournament Organized by the department of physical Education and sports science, B.M.S College of Engineering .

18th April 2023: Dr. Chandasree Das and Prof. Ravulakari Kalyan has organized a One Day Skill Development Program on Multisim and HOMER Software used for Circuit Analysis and Optimization Projects for 3rd semester UG students. 23 students attended the program. Dr. Chethan Raj D, Assistant Professor, Department of EEE was the resource person for the program.

19th April 2023: The inauguration of "Power Semiconductor Devices Lab" supported by Mitsubishi Electric India Pvt. Ltd. was held at Dept. of EEE on 19th April 2023. A MoU was signed between B.M.S.C.E. and MEI. The event was initiated and coordinated by Dr. R.S. Geetha and Dr. Prema V.

29th April 2023: Dr. UMAVATHI M. & Dr. Padmavathi K. from the EEE Department, coordinated an Extension Lecture series on **"Intellectual Property Rights"** that was conducted for 8th Semester EEE students.

Activities in the month of May 2023

5th May 2023: Dr. Prema V, Associate Professor, Dept. of EEE was invited as a session chair for the International Conference on, "Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles & Practices" (ICGCP-2023) to be held from 5th to 7th May 2023 at Sapthagiri College of Engineering, Bangalore.

12 May 2023: Dept. of EEE organised a skill development programme on **"*Mitsubishi's DIPIPM Solution for Power electronics applications*"** by Mr. Priyesh sah, Asst Manager Field Application Engineering, MEI Pvt. Ltd. Faculty Coordinators: Dr.R.S.Geetha & Nethravathi.S

PLACEMENTPALOOZA-Mock Placement Drive 2023- was conducted for 6th Semester EEE students from 19.5.2023 to 25.5.2023 by Electrical and Electronics Engineering Association (EEEA) Dr.K.Padmavathi-President, Dr.V.Champa-Secretary,Prof.Chaitanya-Treasurer, Prof.ChethanRaj -faculty coordinator of the Department.
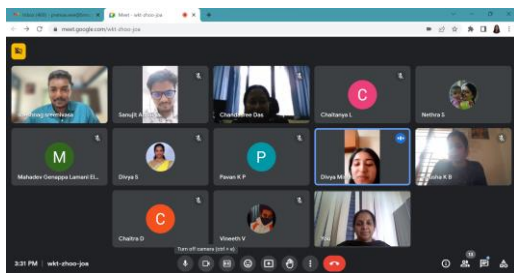

15th May 2023: Department of EEE in association with EEE association organized ISTE sponsored 5 days Faculty Development Program on '**Modelling and Design of Power Converters-Hands-on**' during 15th to 19th May 2023. Coordinators: Dr. R.S. Geetha, Dr. Chandasree Das and Dr. Prema V

29 May 2023: Dr. Chandasree Das and Dr. Prema V have organized an Entrepreneurship Development talk in collaboration with IIC, BMSCE on "Exploring Entrepreneurship as a Career" by Sheshnag Chitlur Sreenivasa, Co-Founder Sunintown Technologies Pvt. Ltd. from 2 - 3.30 PM on online mode.
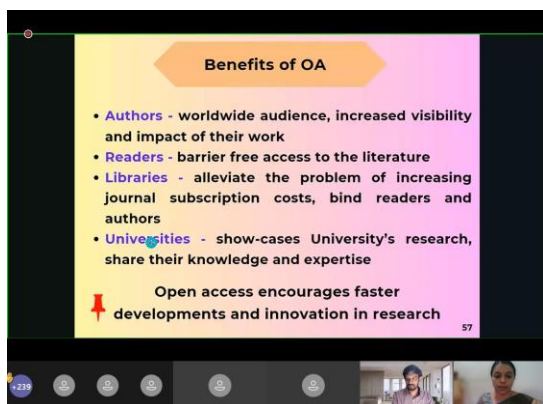
22nd May 2023: Nethravathi.S successfully completed NPTEL online certification for the course "The Joy of Computing using Python" with an elite grade.

Activities in the month of June 2023

1st June 2023: Prof. Nethravathi.S delivered a lecture on "Research metrics +Academic Identity" on 1/6/2023 during One week Scientific Communication E workshop for researchers at BMSCE.

2nd June 2023: Dr. Chandasree Das from EEE Department, along with Dr. Latha Kumari from Physics, Dr. K.L. Nagashree and Dr. Srinidhi Raghavan from Chemistry Department of BMSCE has signed an MoU with Centre for Nano-Science and Engineering (CeNSE), Indian Institute of Science (IISc), Bangalore to collaborate and carry out deep R & D activities between two Institutes under INUP– i2i Program initiated by Ministry of Electronics and Information Technology (MeitY), Govt. of India.

10th June 2023: Expert Lecture on BASICS OF POWER MANAGEMENT by Mr. Kiran M R (Distinguished Alumni, Dept of EEE) was arranged by the Department of Electrical and Electronics Engineering in association with EEE Association.

9th and 16th June 2023: Expert Lecture on ELECTRICAL SAFETY MANAGEMENT by Prof. Veerabhadrappa Kalappanavar (Asst. Professor, IIISM, Founder and Director of Twok) was arranged by the Department of Electrical and Electronics Engineering in association with EEE Association.

10th June 2023: Prof. Nethravathi.S was resource person for Skill lab on "Introduction to Python Programming" organized by Dept of EEE, Cambridge Institute of Technology, Bangalore on 12/6/2023 and 13/6/2023.

16th June 2023 : Dr. A.N.Nagashree, Associate Professor & HoD, Dr. A. Usha, Associate Professor & Dr. Umavathi M. Assistant Professor from the EEE department visited Centum Electronics to inspect M.Tech Power Electronics students Project Work.

24th June 2023: Dr. UMAVATHI M. Assistant Professor in the Department of EEE, received an appreciation certificate for reviewing papers in 9th International Conference IEEE Connect (July 14-16,2023), Organized by IEEE Bangalore Section,at MSRIT, Bangalore.

Activities in the month of July 2023

The Department of EEE organized the project exhibition, ANVESH-2023, on 8th July 2023 showcasing the outcome of the projects carried out as a part of curriculum in the final year.

15th July 2023: Dr. Prema V, Associate Professor, Department of EEE served as track chair and session chair for the track 'CPS Approach to Power Electronics' for the IEEE conference CONNECT 2023 held at Ramaiah Institute of Technology, Bangalore
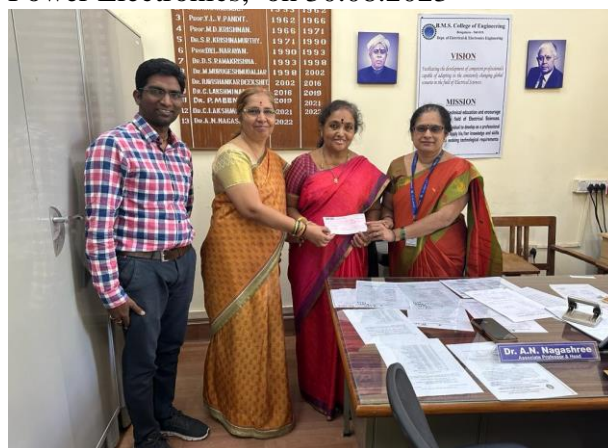
Activities in the month of August2023

18th Aug 2023:Dr.Umavathi M. Assistant Professor in the department of EEE along with PG student presented a paper titled "Design and Implementation Of 30W Single Output Forward Converter for Space Application" International Conference on Mechanical Engineering and Electrical Systems (Icmees-2023) Organised by Industrial Electrical and Electronics Engineers Forum (In association with PE Trust) on 18.08.2023.

21st Aug 2023 : Dr.UMAVATHI.M., Assistant Professor In The Department Of EEE along With Dr. Ravikumar.R.N., Associate Professor, In the Department of Mechanical Engineering signed an MoU for 5 Years with Innovmon Technologies Pvt. Ltd. to Collaborate on Paid Internship, Project Work, Product Development and also to set up a small Incubation Center in future for both UG & PG Students of B.M.SCE on 21.08.2023.

30th Aug 2023 :Dr.P.Geethavani, Professor, Department of Mathemetics has constituted, Dr.PGV merit award for topper for the applied Mathematics course , 1st semester M.Tech Power Electronics, on 30.08.2023
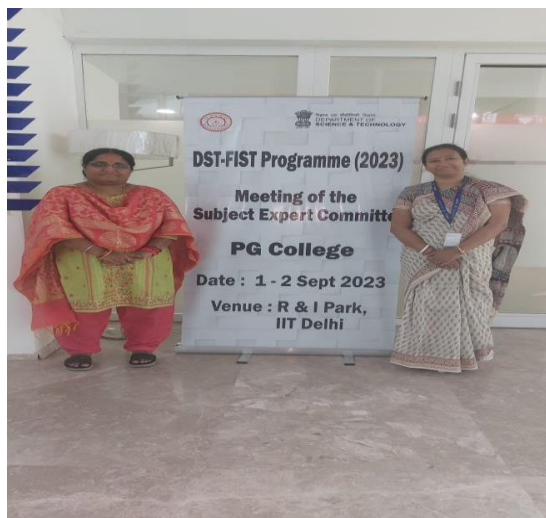

30th Aug 2023: Dr C Lakshminarayana presented a paper titled " Empowering Students through the Flipped Classroom: A Catalyst for Learning" at the 2nd International Conference on Exploring Colossal Technological Advances of the 21st Century in Social Science, Education, Engineering and Technology (ICECTASET-2023) organized by Iloilo State University of Fisheries Science and Technology, Philippines and Institute For Engineering Research and

Publication (IFERP) - Philippines Society on 30.08.2023.

Activities in the month of September 2023

1st September 2023: Dr. Chandasree Das has given a presentation at IIT Delhi, in the Meeting of the Subject Expert Committee for PG College Under DST-FIST Program on 1st September 2023 along with Vice Principal (Academic) Dr. K. R. Suresh and Dr. Latha Kumari from the Department of Physics.

9th September 2023: Dr. Chandasree Das has delivered an Invited Talk on "R & D Funding Opportunities" in Young Researchers Meet (YRM) - 2023, jointly organized by IEEE PES Bangalore Section and GSSSIETW, Mysore on 9th September 2023.

14th September 2023 : **Dr. PGV Merit Award** Constituted by Dr.Potluri Geeta vani ,Professor (Retd) of Department of Mathematics was presented to **Ms. Madhura G O** studying in second semester , M-Tech PG Power Electronics for securing highest marks in Applied Mathematics subject .

21st September 2023: Dr. Chandasree Das has attended the Review Meeting of SERB POWER Scheme on 21st September 2023 organized at Delhi Technological University (DTU), Delhi.
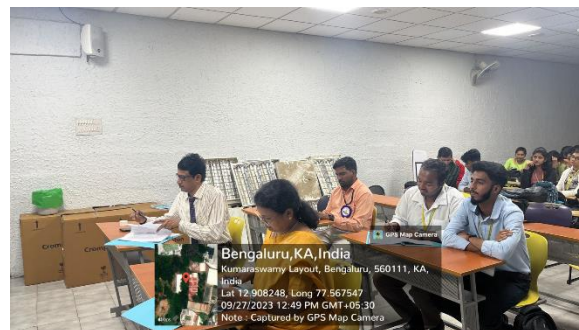
21st September 2023: Prof. Chaitanya.L along with UG student Niharika joshi presented a paper in IEEE WINTECHCON 2023, Women in Technology conference held at Leela palace, Bengaluru

27th September 2023: Dr.Umavathi.M invited as a session Chair for technical sessions in the "1st International Conference on Intelligent and Sustainable Power and Energy Systems (ICISPES-2023)" held on 26th and 27th September 2023 at Dayananda Sagar College of Engineering, Kumaraswamy layout, Bengaluru.

16th October 2023: Department of EEE, in association with IEEE SSIT Bangalore chapter organized an invited lecture on "PATHWAY TO PROFESSIONAL EXCELLENCE" Mr. Anilkumar Dinker Pandit, Senior Consulting Engineer,GE(Rtd.) , at BSN Hall.

28th October 2023: Dr. Prema V, Associate Professor, Dept. of EEE, along with PG student Divya Y.V., published a paper titled "Bi-Directional Converter for Hybrid Energy storage system" in IEEE sponsored 7th International conference CERA-2023 at IIT Roorkee.

31st October 2023: Dr. Chandasree Das, Associate Professor, Department of EEE, as PI received approval order of Rs 95 Lakhs from DST under DST FIST Grant in collaboration with Dr. Latha Kumari from the Physics Department, Dr. K. L. Nagashree and Dr. Srinidhi Raghavan from the Chemistry Department.

Activities in the month of November 2023

6th November 2023: Dr. Prema V, Associate Professor, Department of EEE co-authored a paper titled "A Power Aware Long Short-

Term Memory with Deep Brief Network Based Microgrid Framework to Maintain Sustainable Energy Management and Load Balancing" in Distributed Generation & Alternative Energy Journal (Scopus Indexed), Vol 39, Iss 1, pp 1-26, doi: 10.13052/dgaej2156-3306.3911, November 2023

7th November 2023: Department of EEE through Electrical and Electronics Engineering Association (EEEA) had organised a talk on "RESIDENTIAL DEMAND RESPONSE MANAGEMENT-A CASE STUDY "by Dr. Nethravathi S. , Assistant Professor, Department of EEE on 7-11-2023 at 2.00PM for students and faculty of the department.

7th November 2023: Department of EEE through Electrical and Electronics Engineering Association (EEEA) had organised an orientation talk on "An overview of Altium Software for PCB design " by ANAND H J, (1BM20EE007) a student of VII semester EEE for Faculty and students of the department on 7-11-2023 at 3.30PM.

10th November 2023: IEEE SSIT BANGALORE CHAPTER in association with EEEA & Department of EEE ,B.M.S.C.E conducted a session on "Multidisciplinary Approach to Electric Vehicles", by Dr.Sanjeev K Nayak, EDU Manager Lighting systems APAC, ALSTOM.

17th November 2023: Department of EEE through Electrical and Electronics Engineering Association (EEEA) had organised talk on "INTERNSHIP OPPORTUNITIES AT IISc., BENGALURU" by Prof. Akshay Naik, Associate Professor, Centre for Nano Science and Engineering, IISc, Bangalore on 17-11-2023 at 2.45PM for Final year and pre Final year students and Research Scholars of BMSCE.

24th November 2023: Dr. Chandasree Das has Chaired a session in the Two days International Conference on "Advanced Materials & Fluid Mechanics(ICAMFM-2023)" organized by BNM Institute of Technology, Bangalore, between 23rd and 24th of November 2023.

Activities in the month of December 2023

1. Department of EEE organized an Industrial visit to Bloom Energy (India) Pvt. Ltd on 20 December 2023.

2. Dr.UMAVATHI M., Assistant Professor in the Department of EEE Invited as a session chair for 3rd International Conference on "Innovative Mechanisms for Industry Applications (ICIMIA-2023)" held on December 21-23, 2023, organised by circuit clusters, Dayananda Sagar College of Engineering (DSCE), Bengaluru, India.

3. Department of EEE organized following events as a part of Phase Shift 2023 on 14-15 December 2023.
   a. Bob The Circuit Builder
   b. Big Daddy
   c. Electra Buzz
   d. AI Application in MATLAB
   e. Talk on VLSI
   f. Talk on Future Electric Power Grids