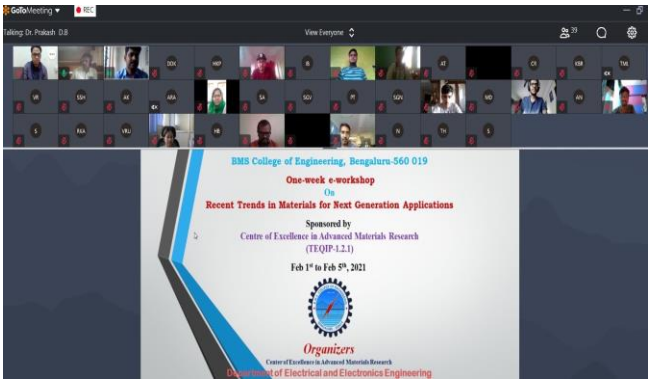
B.M.S COLLEGE OF ENGINEERING, BENGALURU-19
(Autonomous Institute, Affiliated To VTU)
Department of Electrical and Electronics Engineering

Activities in the month of January 2021

1. Dr.A.N.Nagashree and Dr.V.Champa faculty Department of Electrical and Electronics Engineering have submitted a research proposal titled **"An Alternate Vegetable Oil Based Dielectric Coolant and Investigations on its Dielectric Properties as a Composite Insulation for Use in Transformers''** under seed money (PG and UG projects)/ RPS / Industry Institute collaborative work: COE-TEQIP-III. They have been granted Financial assistance of Rs.1,62,800/- under COE-Advanced materials Research-TEQIP-III to carry out the research.

Activities in the month of February 2020

1. **February 1, 2021:** Dr. Chandasree Das, Associate Professor, EEE department with her research students ,Diptoshi Roy, &. B. Jagannatha, published research paper, titled "*Influence of Cu Doping in Si-Te-Based Chalcogenide Glasses and Thin Films: Electrical Switching, Morphological and Raman Studies"* **Journal: IEEE Transactions On Electron Devices**, Volume: 68 Year: Feb 2021 ,Pages: 1196 - 1201.
2. **February 1, 2021:-** Department of Electrical and Electronics Engineering, CoE in Advanced Materials Research in association with FET MJP, Rohilkhand University, Bareilly, U.P. has organized TEQIP-III Sponsored one week e-workshop on "**Recent Trends in Materials for Next Generation Applications**" During Feb 1st-5th, 2021.



3. **February 4, 2021:** Dr. Umavathi M,Assistant Professor, EEE department along with PG student, Suresh S Ekambe have Published a research paper tilted "**PLECS software for UPS Application Using isolated bi directional DC-DC converter**" in LINO Journal ,volume 11,Issue-2-2020-S No-7.
4. **February 8, 2021:** Department of Electrical and Electronics Engineering CoE in Advanced Materials Research in association with FET MJP, Rohilkhand University, Bareilly, U.P. have organized TEQIP-III Sponsored Two week e-FDP on **"Advanced and New Generation Materials in Electrical And Electronics Engineering"** From 8th Feb to 19th Feb 2021.

Activities in the month of March 2021

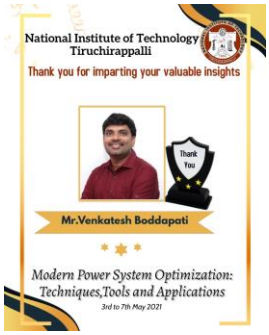
1. **March 1, 2021:** Department of Electrical and Electronics Engineering, CoE in Advanced Materials Research in association with FET MJP, Rohilkhand University, Bareilly, U.P. has organized TEQIP-III Sponsored one week e-workshop on **"Advanced Materials for Power Electronic Circuits"**During March 1st-5th, 2021.
2. **March 8, 2021:-**Department of Electrical and Electronics Engineering, CoE in Advanced Materials Research in association with FET MJP, Rohilkhand University, Bareilly, U.P. has organized TEQIP III Sponsored "**One-week e-FDP on Materials for Semiconductor Devices and PV Modules**" from March 8th to March 13th 2021.
3. **March 17, 2021:** Dr. Dipesh Kumar, Assistant Professor, Dept. of EEE, published research paper titled **"Disturbance rejection of the powersand DC-link voltage of a DFIG using state-space based LQI optimal control approach"** in International Transactions on Electrical Energy Systems, ISSN: 2050-7038, https://doi.org/10.1002/2050-7038.12865
4. **March 20, 2021:**Dr.Chandasree Das Associate Professor, Department of Electrical and Electronics Engineering has been received research Grant of Rs 26,92,800 /- (Twenty Six Lakhs Ninety Two Thousand Eight Hundred) for the duration of three years to carry out research project title **"Investigations on electronic and optoelectronic properties of transition metal doped chalcogenide materials suitable for phase change memory (PCM) applications "** form Science and Engineering Research Board(SERB), Department of Science & Technology, Government of India.
5. **March 22, 2021**: The faculty and students of the Department of EEE involved in the vlabs content development for Analog Electronics, Digital Electronics, Electric circuits analysis, Renewable energy, HVDC and FACTS controllers lab for Dassault systemes. The company acknowledged the contribution through certificate distribution on 22nd March 2021

Activities in the month of April 2021

1. **8th April 2021:** Dr. Prema V. co-authored a book titled 'Smart Grid-Fundamentals, Design, Technology, Applications, Communications and Security', published by Wiley India Pvt. Ltd. ISBN: 978-93-5425-321-9
2. **23rd April 2021:** Dr. Prema V., Dr. A.N. Nagashree and Dr.R.S. Geetha along with M.Tech student Ramachandra Rao C, published a paper titled 'Development of Virtual Lab Module for Wind and Solar Energy Systems using 3DEXPERIENCE Platform of Dassault Systemes' in the international conference iSMaRT 2021. The same paper has been accepted for the publication in Elsevier Materials Today Proceedings
3. **23rd April 2021:** Dr.R.S. Geetha, Dr. A.N. Nagashree and along with M.Tech students Shilpashree S, Chiranjeevi published a paper titled "Modelling and Simulation of HVDC and FACTS systems using 3DEXPERIENCE platform of Dassault Systems" in the international conference iSMaRT 2021.
4. **28th April 2021:-**IEEE Power and Energy Society BMSCE Student chapter on the occasion of **PES Day 2021** organized a webinar on 'India's Clean Energy Scenario and Opportunities in the Future' the Speaker of the was Mr. Deepak Krishnan, Associate Director at WRI, India.
5. **28th April 2021:-**IEEE Power and Energy Society BMSCE Student chapter on the occasion of **PES Day 2021** organized **the event:** Action 2 Auction & Design It – Poster Making Competition for the students.

Activities in the month of May 2021

1. **5th May 2021**:**Mr. B. Venkatesh**, Assistant Professor, Dept. of EEE Delivered a technical talk on "Designing of a hybrid energy based Micro-power system and its feasibility studies" in a five days STTP on "Modern Power System Optimization: Techniques, Tools, and Applications" at National Institute of Technology ,Tiruchirappalli.



2. **7th May 2021**:-**Mr. B. Venkatesh**, Assistant Professor, Dept. of EEE Delivered a technical talk on "Case studies using HOMER software (Hands-on)" in a five days STTP on

"Modern Power System Optimization: Techniques, Tools, and Applications" at National Institute of Technology ,Tiruchirappalli.

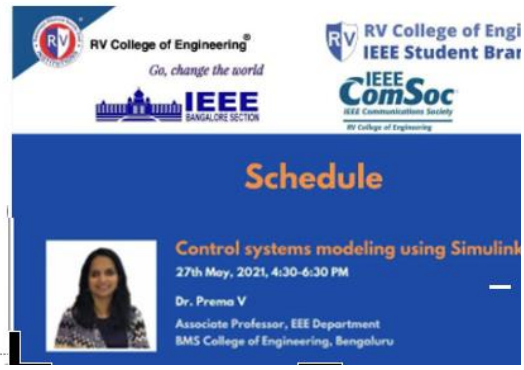
3. **12th May 2021**: **Dr. Prema V, Dr. A.N. Nagashree, Associate Professors and Dr. R.S. Geetha, Professor**, Dept. of EEE along with PG student, C. Ramachandra Rao, published paper titled 'Development of virtual lab module for wind and solar energy systems using 3DEXPERIENCE platform of Dassault Systemes' in **Elsevier Materials Today:** Proceedings, May 2021, ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2021.04.339. (https://www.sciencedirect.com/science/article/pii/S2214785321032594)
4. **17th May 2021**:-**Mr. B. Venkatesh, & Smt.Netravathi S**,Assistant Professors Dept. of EEE have been invited as resource person for three days Workshop on "Microgrid design and feasibility assessment based on HOMER and MATLAB" at St. Peter's Engineering College, Hyderabad from 17-05-21 to 19-05-21.

5. **24th May 2021:-Mr. B. Venkatesh**, Assistant Professor, Dept. of EEE Delivered a technical talk on "Designing of Microgrids and its feasibility studies " A webinar conducted by Cambridge Institute of Technology at CIT, Bangalore.

6. **26th May 2021**:-Department of EEE with IEEE SSIT ,PELS & IES Bangalore chapters organized a webinar on "Technologies that facilitate Electrical Engineer Employability" by **Dr. Hariram Satheesh**, R&D Team Manager,

ABB Global Industries and Services Pvt. Ltd. Bangalore.

7. **27th May 2021**: **Dr. Prema V,** Associate Professor , Dept. of EEE delivered a hands-on session on 'Fundamentals of Control Systems', for the workshop on 'Simulation and Modeling of Control Systems using MATLAB and Simulink' conducted by the Department of Electronicsand Instrumentation, RVCE in association with IEEE RVCE Communications Society.



Activities in the month of July 2021

1. **7th June 2021:-** B Venkatesh, Assistant Professor Department of Electrical Delivered an expert talk in the five days online short-term course on **"Sustainable Power System"** organized by Department of Electrical and Electronics NIT Tiruchirappalli in association with the HongKong polytechnic University. During 7th June to 11th June 2021.

2. **19th June 2021**:-BMSCE IEEE PES students chapter organized a Webinar on "Webinar on ML with Python" by mudassir Zain GM from Skill vertex..
3. **21st June 2021**: Dr. Prema V, Associate Professor, EEE, has been recommended as Course Expert for Electric Power Quality for VTU e-Shikshana Programme-05. She has been invited to prepare video lectures, ppt and e-notes for the course.
4. **21st June 2021:-**Department of Electrical and Electronics BMSCE in association with IEEE PELS, IES &SSIT bangalore chapters organiszed one week workshop on **"Scilab and its applications in Electrical and Electronic Fundamentals" from 21st to 25th**

June 2021.

5. 26th June 2021:-BMSCE IEEE PES students chapter organized Sudocode - Coding Competition on 26th and 27th June 2021.Totale 40 students have taken part in the event.

Activities in the month of July 2021

1. **July 5, 2021:** Dr. Usha, Faculty, Department of Electrical & Electronics Engineering, has been granted with a Patent titled "Biological Sensors Comprising Conducting Polymer and Systems Therefrom" by the Indian Patent Office, Patent Number: 379718

2. **7th July 2021:- Dr. Prema V., Associate Professor, Dept. of EEE,** co-authored and article titled "Solar PV network installation standards and cost estimation guidelines for smart cities" in **Alexandria Engineering Journal (Q1 Journal)**, July 2021, ISSN 1110-0168, https://doi.org/10.1016/j.aej.2021.06.098
3. **July 9, 2021:** The following Faculty of the Department of Electrical & Electronics Engineering presented the following papers in the International Conference on Electronics, Computing and Communication Technologies, IEEE CONECCT 2021 organized by IEEE Bangalore Chapter:
4. Dr. A N Nagashree, and research scholar A S Shilpa, presented a paper titled "Implementation of peak load reduction on a distribution feeder using Python-Opendss co-simulation"

5. Dr. V Champa, Dr. V Prema, and research scholar Manali Raman presented a paper titled **"State of Health Estimation of Lithium Ion Batteries using Recurrent Neural Network and its Variants".**
6. Dr. R S Geetha, and PG student V Chiranjeevi, presented a paper titled "**Optimized Switching Techniques for Multi-Level Inverter with reduced number of Switches**"
7. 9th July 2021:- Dr. Prakash D B, Assistant Professor, Dept. of EEE has chaired the session at the International Conference on Recent Trends in Science and Technology ICRTST-2021 organised by ATME College of Engineering, Mysuru.
8. **12th July 2021**: S.K.Santhosh Kumar, Naman M Naik, M.Vamshi Kiran and Beluraiah, students of 6th semester Electrical & Electronics Engineering presented paper titled "**Design and Simulation of Voice Controlled Robotic Car**" in the National Level Technical Symposium TRIGGER 2021, organised by Rajarajeswari College of Engineering, Bangalore under the guidance of Smt.S.Divya, Faculty of the Department. Their paper was awarded with First place.
9. **22nd July 2021**: The following students of Electrical & Electronics Engineering presented the following projects in the National Level project competition organized by the Department of EEE, ATME College of Engineering in Association with IEEE Student Branch, ATMECE, Mysuru

   8th Semester students Gurukiran Prabhu, Pradeep and Vinayak P.B, guided by Dr. V Champa, Faculty, Department of Electrical & Electronics Engineering, presented project titled "**Gamified Platform for introduction of EV drive" and bagged a consolation prize**

   6th Semester students Deekshith N.P, Manoj R.M, Prerana S, Tejashree, guided by Dr. Padmavathi K, Faculty, Department of Electrical & Electronics Engineering, presented project titled "**Transformer core construction using Dassault systemes 3D experience software**".

   6th Semester students B Sumedha Shenoy, Dhanya Udupa, Nida Naaz, Varsha M guided by Dr. R.S.Geetha, Faculty, Department of Electrical & Electronics Engineering, presented project titled "**Designing of DC-DC Quadratic boost converter prototype for Electric Vehicles"**

10. **27th July 2021** :- EEE Department, 8th semester UG students Mayur N Mallya, Manasa P, Sameeksh M Shetty, Shamu M, with Ms. Soniya Agrawal, Assistant Professor Dept. of EEE published research paper titled "**SOLAR CHARGE**

CONTROLLER FOR DOMESTIC APPLICATION" in International Journal of Engineering Applied Sciences and Technology, 2021 Vol. 6, Issue 1, ISSN No. 2455-2143, Pages 325-330.

11. **27th July 2021:** EEE Department, 6th semester UG students Santhosh M P, Jayanth H S, Kirankumar S Patil,Jagadeesh Kumar Chougala with Ms. Chaitanya.L, Assistant Professor Dept. of EEE published research paper titled **"2D AND 3D PLOTTER USING ARDUINO NANO" in International Journal of Engineering Applied Sciences and Technology, 2021 Vol. 6, Issue 1, ISSN No. 2455-2143, Pages 331-334.**

12. **29th July 2021:** K.R. Pushpa , research scholar and Dr. R.S. Geetha , EEE Dept, presented a paper titled "Mathematical model and analysis of PV Converter - Inverter System" at Global Conference on **"Recent developments in Computer and Communication Technologies (GC-RDCT 2021)" , Mangalore,** on 29th July 2021.

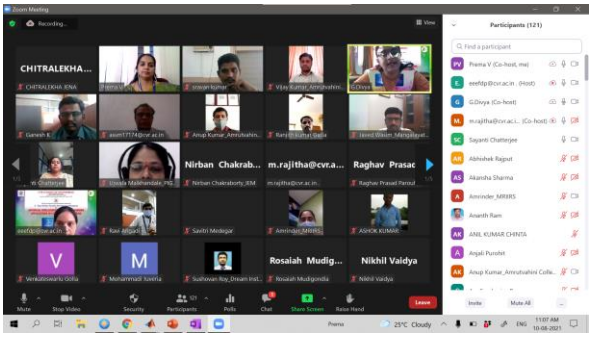
13. **July 29, 2021**: Dr.R.S. Geetha, Faculty, Department of Electrical & Electronics Engineering along with Smt.K.R.Pushpa, Research Scholar presented research paper titled "**Mathematical model and analysis of PV Converter - Inverter System**" in the Global Conference on Recent Developments in Computer and Communication Technologies (GC-RDCT 2021), organized by AJ Institute of Technology, Mangalore.

Activities in the month of August 2021

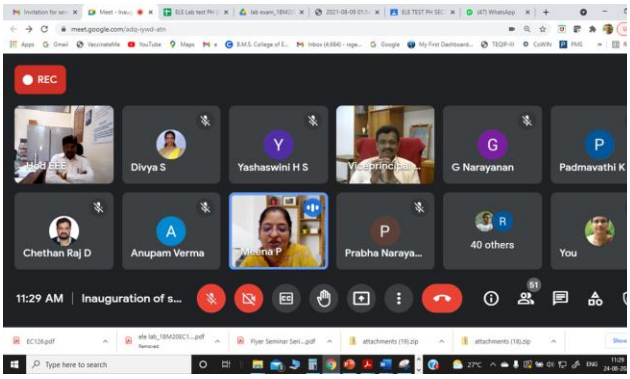
1. **August 5, 2021:** Dr. Prema V, Faculty, Department of Electrical & Electronics Engineering delivered a talk on "Application of AI for forecasting and MPPT of renewable energy" as a part of AICTE Sponsored Online STTP on "Application of Machine Learning and Artificial Intelligence Techniques for Control of Future Grid" organized by the Department of Electrical and Electronics Engineering, NMAM Institute of Technology, Nitte, Mangalore.
2. **August 5, 2021:** Prof.Venkatesh Boddapati, Faculty, Department of Electrical & Electronics Engineering, co-authored an article titled "Design and Feasibility Analysis of Hybrid Energy Based Electric Vehicle Charging Station" in Distributed generation and alternative energy Journal, ISSN:2156-3306.(**Indexed in Scopus).**
3. **August 10,2021:** Prof.Venkatesh Boddapati, Faculty, Department of Electrical & Electronics Engineering, received consultancy work on

Electric vehicles from **Mosaique India Pvt,limited.(**Amount received 1,28,915/-INR)

4. **August 10,2021:** Dr. Prema V, Faculty, Department of Electrical & Electronics Engineering delivered the following talks as a part of **ATAL sponsored 5-day Online FDP** on "Artificial Intelligence And Machine Learning Applications In Electrical Engineering", Organized by Department of EEE, CVR College of Engineering, Hyderabad
    - **August 10,2021:** Talk on "Introduction to Machine Learning & Applications in Power Systems"
    - **August 11, 2021:** Talk on "AI Based Forecasting techniques for wind and solar power generation"



5. **August 12, 2021:** Dr. Umavathi M., Faculty, Department of Electrical & Electronics Engineering along with K. Lavenya, PG student published research paper titled "Design and Analysis of Single-Phase Inverter for Avionics System" in the **3rd Springer International Conference on Inventive Computation and Information Technologies** (ICICIT - 2021) organized by RVS Technical Campus, Coimbatore, INDIA on 12-13, August 2021.
6. **August 12, 2021:** Dr. USHA. A, Department of Electrical & Electronics along with M. Tech student, VINUTHA. K published a research paper "Design & Development of Smart Charger for Automotive Application" in the **3rd Springer International Conference on Inventive Computation and Information Technologies** (ICICIT - 2021) organized by RVS Technical Campus, Coimbatore, INDIA on 12-13, August 2021.
7. **August 24, 2021:** Department of EEE, BMSCE conducted the inaugural function of the 4 week SEMINAR SERIES BY IISc PMRF STUDENTS on the topic, **"MAGNETIC FIELDS, MAGNETIC CIRCUITS AND ELECTRICAL MACHINES".** The seminar series will be held from 24th August to 21st September on every Tuesday and Thursday for UG students.



8. **August 26, 2021:** Dr. A. N. NAGASHREE Faculty, Department of Electrical & Electronics Engineering along with SUMAN V, PG student published research paper titled "Design and Implementation of Multiple Output Forward Converter with Input Voltage Feed Forward Control for Space Applications" **in Zeichen Journal (Scopus Indexed),** ISSN: 0932-4747

Activities in the month of September

1. **September 16, 2021:** Department of EEE organized Online Ph.D. pre-comprehensive Viva-Voce of research work titled " Smart demand side management for a photovoltaic microgrid" of the research student, Mrs. Shilpa Aralasurali Subramanya USN: 1BM19PEE05, under the guidance of Dr. A. N. NAGASHREE.
2. **September 25th, 2021:** Shilpashree S and Dr. R S Geetha presented a paper titled "Cell Balancing and State of Charge Estimation of Lithium-Ion Cells for Electric Vehicle Applications" at "Sustainable Energy and Technological Advancements (ISSETA 2021)" international symposium, organised by Department of Electrical Engineering, NIT Meghalaya, Shillong, India.
3. **September 25th, 2021:** Dr. Usha. A, Dept. of Electrical & Electronics Engineering and Dishashree. T.N, M. Tech Student presented a paper titled "**Design and Implementation of 165W Current fed push pull converter for military and space applications**" at "Sustainable Energy and Technological Advancements (ISSETA 2021)" International Symposium, organised by Department of Electrical Engineering, NIT Meghalaya, Shillong, India.

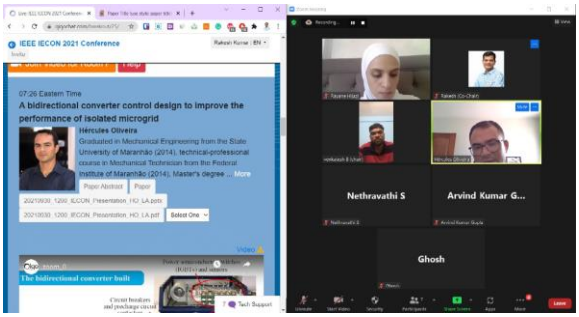
Activities in the month of October

1. **October 7th 2021: Dr. Venkatesh Boddapati,** Faculty, Department of Electrical & Electronics Engineering had an interview with HOMER energy director (USA) regarding Electric vehicle charging station design and it is published as a HOMER newsletter. https://microgridnews.com/design-and-feasibility-comparison-of-on-

and-off-grid-hybrid-ev-charging-stations-in-india/

2. **October 10th 2021**: **Dr.Usha A**, Faculty, Department of Electrical & Electronics Engineering along with Mr.Sharath K,PG student published a research paper titled "Design and implementation of servo-mechanism system for antenna positioning application " in Zeichen Journal (Scopus Indexed), Volume 7, Issue 10, ISSN: 0932-4747.
3. **October 11th 2021: Dr. Vijay Vittal, Regents Professor, Arizona State University,USA**, inaugurated the EEE association of the Department of Electrical and Electronics Engineering.

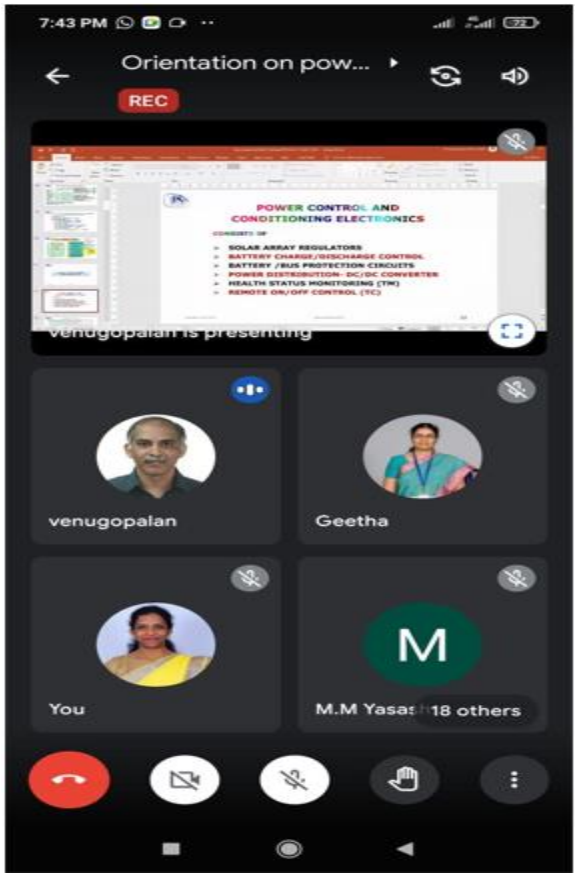
4. **October 14th, 2021: Dr. Venkatesh Boddapati,** Faculty, Department of Electrical & Electronics Engineering delivered a keynote talk in HOMER Microgrid and Hybrid Power 9th annual international conference in the USA(Online). https://microgridconference.com/speakers.
5. **October 16th, 2021: Dr. Venkatesh Boddapati,** Department of Electrical and Electronics Engineering organized a special session in IECON-2021,47th conference of Industrial electronics society (CANADA). He was also a chair for the Power Electronics for Energy access special session.



6. **October 20th 2021**: **Dr.Prema V**, Faculty, Department of Electrical & Electronics Engineering along with Mr.Ramachandra Rao C., PG student published a research paper titled "Design and Development of stand-alone PV/WIND Microgrid using 3DEXPERIENCE" in Zeichen Journal (Scopus Indexed), Volume 7, Issue 10, ISSN: 0932-4747
7. **October 24th 2021**: **Dr. Prema V**, Faculty, Department of Electrical & Electronics Engineering along with Ms. Rajalakshmy N.., PG student published a research paper titled

"MPPT in PV array under Partial Shading using GWO,PSO and P&O" in The International Journal of Analytical & Experimental Modal Analysis(Scopus Indexed), ISSN 0886-9367

8. **October 25, 2021: Dr. V.Champa**, Dept. of Electrical & Electronics Engineering and Darshan .G, M. Tech Student presented a paper titled "Radiated Emission Analysis of Switching Regulator used in Laptops" in IEEE MysuruCon 2021-The First Edition of the Flagship International Conference Series of IEEE Mysore Subsection in association with IEEE Bangalore Section held at NAVKIS College of Engineering, Hassan during 24th & 25th October 2021. and **received "BEST PAPER" Award**
9. **October 25, 2021: Dr. V.Champa**, Dept. of Electrical & Electronics Engineering and Kalkutakinahal Akhilesh Reddy , M. Tech Student presented a paper titled "Development of speed control for High Voltage BLDC ceiling fan using Regulator", in IEEE MysuruCon 2021-The First Edition of the Flagship International Conference Series of IEEE Mysore Subsection in association with IEEE Bangalore Section held at NAVKIS College of Engineering, Hassan during 24th & 25th October 2021.
10. **October 30, 2021:** An Orientation lecture on the power subsystem of cubesat / nanosat was scheduled on 30th October as a part of BMSCE UPAGRAHA activity. Mr. Venugopalan, the mentor for the sub system, delivered the lecture.

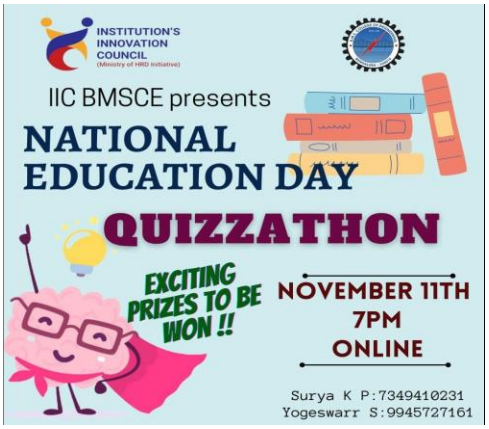


Activities in the month of November

1. **November,7th,2021**:**Dr.C.Lakshmi narayana,** Professor and HOD of the EEE Department ,Delivered a Expert talk on "**AI APPLICATION FOR PLACEMENT OF DG AND CAPACITOR IN RADIAL DISTRIBUTION SYSTEM"** at Guru Jambheshwar University of Science and Technology, Hisar, Haryana.

2. **November 11th 15 and 17 2021:** Dr. Chandasree Das, Associate Professor, and Dr. Venkata Madhava Ram Tatabhatla**,** Assistant Professor**,** along with other lab staff **a**ttended a training program from Schneider Electric to demonstrate Home Automation systems purchased by the EEE Dept.

3. **November 11, 2021:** Startup Cell and MHRD IIC BMSCE organized an online Quizathon on NEP to celebrate the National Education Day



4. **November 12, 2021**: Dr. C. Lakshminarayana, Professor & HOD and Dr. Dipesh Kumar, Assistant Professor organized an expert lecture by Mr. Pandian S.K, Program Manager, Electrical Safety Foundation, Bengaluru on the topic "Operation and Maintenance on Transformers" on 12th Novemebr 2021, Friday from 11:00 AM to 12:30 PM.

5. **November 19, 2021:** Dr. Prema V., Faculty, Department of EEE co-authored a paper titled **'Bi-Furcated Stator Winding Configuration in Three-Phase Induction Generators for Wind Power Generation' in IEEE Access (Q2 journal), vol. 9, pp. 153188-153198, 2021.**
6. **November 20-21 2021:** Dr. Chandasree Das coordinated the event **"World of Sensors**" with BMSCE IEEE PES and Sensor council Student Branch Chapter. The event includes three keynote

addresses, one panel discussion, one ideathon event, one workshop and one quiz. More than 100 participants have registered for each event.

7. **November 24, 2021: Prof. Divya S, Dr. R.S. Geetha** and students Peeyush Kumar, Ankith, Gurukiran and Kashyap Hegde presented a paper titled "Preliminary Design and Simulation of the Electrical Power System for a CubeSat" Using LTspice in the 7th international conference on "Space Science & Communication (IconSpace2021) organized by Space Science Centre (ANGKASA), Institute of Climate Change (IPI) University Kebangsaan Malaysia (UKM) on 23rd-24th November 2021.
8. **November 24, 2021:** Startup Cell and MHRD IIC BMSCE in collaboration with Department of ECE organized a motivational talk on Entrepreneurship by Mr. Anand Murali, Director and co-founder of Arsccom Resources and Management Services. 144 participants attended the event.
9. **November 28, 2021: Dr. Chethan Raj D**, Assistant Professor, Department of EEE, Presented paper in International Conference on International Congress on Renewable Energy(ICORE-2021)"Reverse Droop Control of Distributed Generation Inverters in Low Voltage Microgrid.
10. **November 26, 2021: A** Webinar on EV Revolution (Phase Shift 2021) was organized by BMSCE IEEE PES Student Branch Chapter. 165 participants registered for the event. Mr. Ravikiran Annaswamy, CEO and Co-founder, Numocity Technologies was the resource person for the event.
11. **November 27, 2021:** An event named Digital Vibes (Phase Shift 2021) has been organized by BMSCE IEEE PES Student Branch Chapter. A total of 145 participants registered for the event.
12. **November 30th, 2021:** Dr.Venkatesh Boddapati, Prof.Divya and Prof. Chaitanya L from Electrical and Electronics Engineering Department Organized a webinar on "Phasor Measurement Unit and Wide Area Monitoring System".

Activities in the month of December

1. **December 1st ,2021 :Dr.C. Lakshminarayana and Dr. Venkatesh Boddapati ,** faculty from the Electrical and Electronics Department completed consultancy work on Electrical vehicles and submitted reports to **MOSAIQUE PVT LTD. (India).**
2. **December 1, 2021: Dr. Chandasree Das** faculty from Electrical and Electronics Engineering has published a paper in the International Journal, Journal of Non-Crystalline

Solids **(SCI Indexed)** titled "**A composition-dependent thermal behavior of Si20Te80-xSnx glasses: Observation of Boolchand intermediate Phase"**.

3. **December 2nd 2021:** Dr. Venkatesh Boddapati and Dr. Prakash DB , Faculty form Department of Electrical and Electronics Engineering published a paper in Distributed generation and alternative energy journal **(Scopus Indexed)** title "**Design and feasibility analysis of a Solar PV and Biomass-based Electric Vehicle Charging Station for a Metropolitan cities (India).**
4. **December 2nd 2021** :A paper titled " Simulation study of FLC based MPPT for unshaded and partially shaded PV systems' ' authored by Deepika Jain, Harshitha N, **Dr.Padmavathi K, Supritha R.M. and Megha G** which is an outcome of UG project was presented in International conference ComPE-2021 organised by NEHU, Meghalaya in virtual mode.
5. **December 4th 2021**: BMSCE CIIE, Startup Cell and MHRD IIC BMSCE jointly organized a motivational talk (offline mode) on "Start Ups are Not Risky Anymore". Resource person was Mr.Suresh Narasimha, Co-Founder, CoCreate Ventures.
6. **December 6th, 2021:** Smt. Divya S, Assistant Professor, Dept. of EEE, Received the **NPTEL DISCIPLINE STAR** recognition in **Electrical Engineering**, during July – December 2021 from NPTEL.
7. **December 6th, 2021:Dr. Chandasree Das**, Associate Professor, Dept. of EEE, Received the **NPTEL DISCIPLINE STAR** recognition in **Electrical Engineering**, during July – December 2021 from NPTEL.
8. **December 8th 2021**: BMSCE CIIE and IIC BMSCE in association with the Department of Electrical & Electronics organized an online workshop on "Entrepreneurship Skill (Attitude and Behavior Development)". Resource person was Mr. Sheshnag Chitlur Sreenivasa, Co-Founder, Sunintown Renewables Pvt. Ltd.
9. **December 15th, 2021:** Smt. Divya S, Assistant Professor, Dept. of EEE, Received Certificate of Appreciation from Ministry of Education's INNOVATION CELL (Government of INDIA) and AICTE for exceptional contribution as **Primary Evaluator** in the Pre-Screening round of Toycathon 2021.
10. **December 16th 2021:** Department of Electrical and Electronics Engineering organized an Industrial visit to Nelamanagala substation for the students of 7th semester and the visit was coordinated by Dr. Chethan Raj D and Dr. Venkata Madhava Ram Tatabhatla.

11. **December 17th 2021:**Department of Electrical and Electronics Engineering organized an Industrial visit to Nelamanagala substation for the students of 5th semester and the visit was coordinated by **Dr .Venkatesh B , Prof. Chaitanya .L , Dr. Prakash.D.B and Dr. Dipesh Kumar**.

12. **December 20th 2021**: IIC BMSCE in association with the Department of Electrical & Electronics organized an offline talk on "Critical Thinking". Resource person was Mr. Dhiraj Rao, Freelance Corporate Trainer
13. **28th December 2021**: Dr. Prema V, Faculty, Department of Electrical & Electronics was invited as the judge for the poster design contest on Sustainable Energy organized by IEEE PES, IEEE IAS and Amrita School of Engineering, Bangalore
14. **30th December 2021**: Department of Electrical & Electronics Engineering organised an Industrial Visit to **Karnataka Solar Power Development Corporation Limited (KSPDCL)**, **Pavagada 2050 MW Solar Power Park**, Tumkur District for the 5th Semester students and the visit was coordinated by **Dr. Umavathi M**, **Dr. Prakash.D.B, Dr.Chethan Raj D, and Dr. Dipesh Kumar.**