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 2016

1. Dr.P.Meena and Dr. Jayagowri attended the International Conference on Enabling Make in India ICEMI 2016 at BVB Hubli between 7th and 9th Jan 2016.

2. Prof. Dr.-Ing. habil. Madhukar Pandit from Technical University Kaiserslautern, Germany visits the EEE Dept. on 9th Jan 2016.

3. Dr.A.Usha delivered a Technical talk on "Smart Sensors & Applications" at Vidya Vikas Trust, Bangalore on 10 th January 2016.

4. *Dr. P.Meena invited for a NBA Mock Inspection at SJCE, Mangalore on 11th Jan 2016 .*

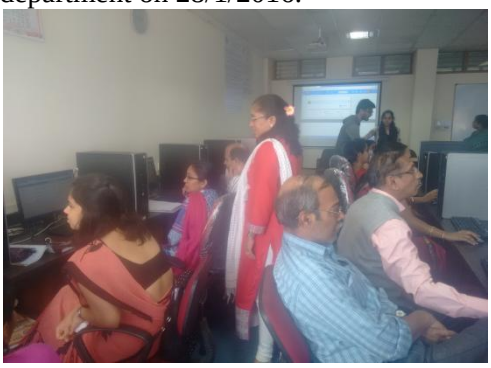
5. PRAKALPA : Regional Level "Project Competition based on UTLP z" was hosted by Department of EEE and TCE, BMSCE organized by WIPRO Technologies, Bangaloreon 18-01-2016.

6. Dr.S.Pradeepa delivered a technical talk on "Power Quality Issues Addressed using Power Electronic Devices" at BNMIT

7. Dr. P.Meena delivered a talk on Power Quality Detection and Mitigation-Application to an Integrated Grid 19th Jan 2016 BNMIT

8. On January 23rd and 24th 2016 a workshop on Internet of things and Home automation was organized by Electrical and Electronics Engineering Department, BMSCE in association with National Institute of Technology(NIT), Tiruchirappalli and Texas instruments

9. An orientation about usage of WIKSATE was arranged for faculties of EEE department on 28/1/2016.

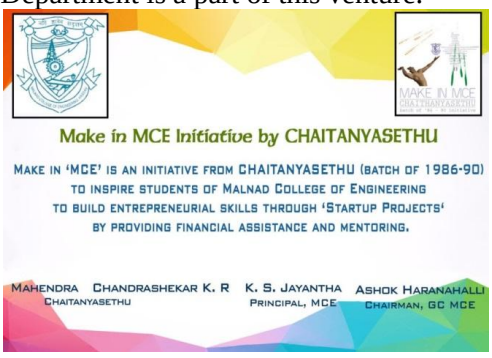


10. BMSCE IEEE students' branch has bagged Rs. 50,000/- support from Bangalore section for being second in the number of activities conducted during the year 2015 and sending the report promptly to Bangalore section.

Activities in the month of February 2016

1. Dr.A.Usha was honoured by PET Research centre, PES College of Engineering in Research Congregate 2016 falicitation function on 13.2.2016 at Mandya.

2. Make in MCE from 'Chaitanyasethu' (Batch of 1986-90) was initiated to inspire students of Malnad College of Engineering, Hassan, to build entrepreneurial skills through startup projects by providing financial assistance and mentoring. Dr.A.Usha of Electrical Department is a part of this venture.



3. The executive committee members of IEEE SSIT ES joint Bangalore chapter Dr. P.Meena, Smt. R.S. Geetha, Mr. B.Venkatesh from EEE department attended the AGM meeting held at Golden Jubilee Hall, ECE Dept, IISc on 25th Feb 2016. In the meeting, the nomination of Dr. P. Meena for the post of Vice Chair and Mr. B. Venkatesh for the post of Secretary, IEEE SSIT ES joint Bangalore Chapter, was approved.

4. Dr.P.Meena, handled a session on Active Learning Techniques in the OUTCOMES BASED EDUCATION WORKSHOP conducted between 15th-16 Feb at BMSCE.
5. Dr.P.Meena attended ABB-IITM Workshop on Microgrids – Challenges & Opportunities – 26 Feb 2016 at IIT-MADRAS, Chennai.
6. Dr.P.Meena along with Dr.Pradeepa submitted a proposal titled, 'Enabling Electrical workmanship using modern materials' to teqip under technology transfer component from BMSCE COE in materials .
7. Dr.P.Meena submitted a combined proposal from the electrical cluster for VTU-VGST seminar grant titled" sustainable solutions in engineering".
8. Dr.P.Meena co-ordinated submission of 5 proposals under the global initiative for academic networks-GIAN 2016 from EEE-01,ML-02,Chemical-01, R&D bmsce-01.with support from local institutional Co-ordinator GIAN , Dr.Ravishankr Deekshit, Hods And Co-

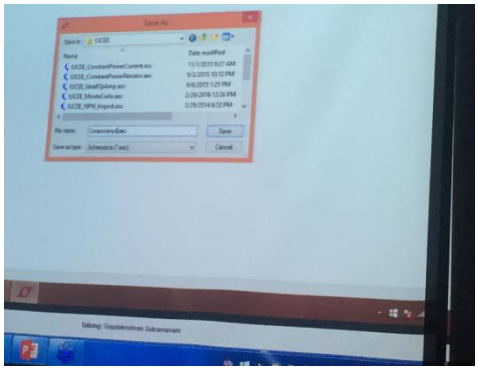
Ordinators, Dr. Guru Hegde, Dr.Chetan Nayak,Sri. Abhishek Appaji, Dr.Pmeena.

9. Dr.PMeena Co-Ordinated an Expert Lecture along With Dr. Devaraj and Smt. R.S.Geetha on 'High Performance Solar Based Systems' By Dr. Ramarathnam,Chairman, Basil Energetics Chennai as a part of Propel Lab 6 Activity On 11th Feb At BSNarayan Hall.

Activities in the month of March 2016

1. A talk on "Opportunities for an Industrial Engineer", by Shri. Sunil Krishnan, President, The Confident Group, was arranged by Dr. P.Meena EEE, for II sem H section students on 10th March 2016.

2. Dr.P.Meena and Dr.S.Pradeepa coordinated "LT Spice Training: FREE introduction session" organized by IUCEE on Fri March 11 from 9:30 am to 12 noon IST for the students of EEE.



3. Smt. R.S. Geetha and Mr. B. Venkatesh, Dept. of EEE arranged industrial visit to Kolar HVDC station on 11/3/2016 for II sem and IV sem PG students.

4. Depts. of EEE, ECE, CSE, Civil & BMSCE IEEE presented an event Smart College Sphere –Neighbour hood Innovation Eco system on 12th March 2016 at BMS Auditorium which had representation from Servelots, Namma Cycle, Venturesity, TOMTOM, Google, ShivNadar Univ, Freelance Innovator/writer & Alumni of BMSCE. The event was co-ordinated by Dr.P.Meena,Dr. Jayagowri,Dr. Umadevi & Smt. Prathima.

5. Excellent paper Award was received by Dr.S.Pradeepa for the paper titled: "Power Generation using Peizo-Electric System for street Light System" presented at IRF conference held at Bangalore on 13/3/16.
6. Dr.A.Usha presented a paper titled: " Design and Implementation of Quad-Output Flyback Converter for Space Applications" in IEEE 3rd International Conference on Electrical Energy System on March 17.
7. Dr.A.Usha presented a paper titled: " Design and Development of Configurable Solar Converter System" in IEEE 3rd International Conference on Electrical Energy System on March 17.
8. Dr.P.Meena delivered an expert lecture on the topic " Power Quality Issues and trends" in Vidya Vardaka College of Engineering, Mysore on 31.3.2016

Activities in the month of April 2016

1. Dr.A.Usha and Dr. L.Venkatesha visited CENTUM Electronics today to inspect projects and to extend internship and projects for the II semester PG Power Electronics students.

2. Extension lecture on " EMI/EMC issues in Hardware design" was organised by Dept. of EEE in association with Robert Bosch,Bangalore on 30/4/2016. The resource persons were Mr. Deepesh Rao, BOSCH and Mr. Praveen Rao from Fujitsu.

Activities in the month of May 2016

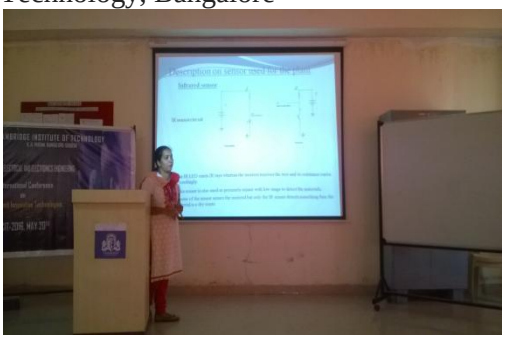
1. R.S.Geetha presented paper titled " **Transient behaviour of VSC-HVDC in an AC-DC interconnected system"** at NIT Calicut, RCPEPS national workshop and paper presentation - 2016, during 6th and 7th May 2016. Paper is coauthored by Dr. Ravishankar Deekshit and Dr. Ghamandi Lal. Received. Paper also received " **Best paper award".**

2. B.Venkatesh presented a paper titled: "**Variable voltage variable frequency control of induction motor**" in National conference convergence technology and management on 5/5/2016 at Dayananda sagar college of engineering Paper also received " **Best paper award".**

3. B.Venkatesh presented a paper titled: "**Three point MPPT technique for photo voltaic systems**" in International Conference on Trends and Innovations in Electrical, Electronics and Communication Engineering on 20/5/2016 at Cambridge Institute of Technology, Bangalore. Paper also received " **Best paper award".**

4. B.Venkatesh presented a paper titled: "**Design of buck converter**" in International Conference on Trends and Innovations in Electrical, Electronics and Communication Engineering on 20/5/2016 at Cambridge Institute of Technology, Bangalore

5. Soniya Agrawal presented a paper titled: "Role of Electrical Drives in an Automatic Waste Segregator Plant" in International Conference on Trends and Innovations in Electrical, Electronics and Communication Engineering on 20/5/2016 at Cambridge Institute of Technology, Bangalore



6. A value added course on UTLP (Unified Technology Learning Platform) through Project based learning was jointly organized by the department of Telecommunication and department of Electrical & Electronics from 17th may to 31st may 2016 at Telecom computer Lab. This value added course is an activity under PROPEL LAB-5.

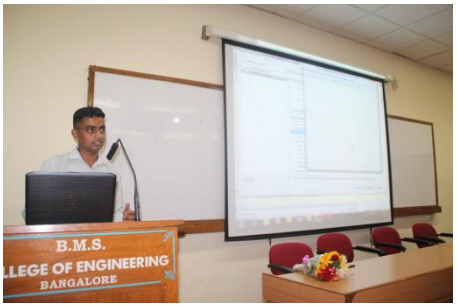
7. Dr.P.Meena published a paper titled: "Sub-metering Prototype Design for Low Power Distribution Systems- Part 1" in International Journal of Innovative Research in Science, Engineering and Technology (A High Impact Factor, Monthly Peer Reviewed Journal) IJIREST held on May 5th.

8. Dr.P.Meena published a paper titled: Power Harvesting Feasibility Analysis in International Journal of Innovative Research in Science, Engineering and Technology (A High Impact Factor, Monthly Peer Reviewed Journal) IJIREST held on May 5th.

9. Two Day Workshop on " Solar Photovoltaics and Microgrids" was conducted by Department of Electrical & Electronics as an activity under Propel Lab 6 on 30/5/2016 and 31/5/2016.

Activities in the month of June 2016

1. MATLAB training (for 2016a version) programme was organized by the department of EEE for faculty and technical staff of various departments of BMSCE on 2/6/2016 at B.S. Narayan hall.



2. Prof.V.Champa presented a paper titled: Breakdown Behaviour of New Bio-degradable Dielectric Coolants under 50Hz AC for Different Electrode Configurations in International Conference on Advanced Materials & Applications (ICAMA-2016) held at BMS College of Engineering, Bengaluru on 15-17 June 2016.

3. Prof.A.N.Nagashree presented a paper titled: High Frequency Dielectric Properties of Insulation Systems with New Natural Vegetable Seed Oils in International Conference on Advanced Materials & Applications (ICAMA-2016) held at BMS College of Engineering, Bengaluru on 15-17 June 2016.

4. Dr.Chandasree Das presented a paper titled: "Switching-Studies-on-Ge15In5Te56Ag24 - Thin-Films" in 18th International Conference on Glass Science and Technology held at New York, USA from 6-7 June 2016

Activities in the month of July 2016

1. Dr. Padmavathi K. delivered a lecture on "Grid connected Solar PV power plants-Issues in Grid integration and review of Technical regulations" in one week Faculty Development Programme on "INTEGRATION OF GREEN ENERGY TO SMART GRID- OPPORTUNITIES AND CHALLENGES" at BNM Institute of Technology, Bengaluru, on 11 th July 2016.

2. One week Faculty Development Program on "Materials in Engineering and Technology" from 11th July to 15th July, 2016 was organized by Center of Excellence in Advanced Materials Research (TEQIP-1.2.1) & Department of EEE.

3. Dr.Chandasree Das delivered a lecture on "Phase Change Memory Materials: Materials for next generation NVRAMs" in the One week Faculty Development Program on "Materials in Engineering and Technology" on 15/7/2016 at BMSCE.

4. Three Days Technology Transfer Program on "Enabling workmanship in electrical wiring using modern materials" was conducted for students OF Tenth Standard at Bylanjaneyaswamy High School, Byrashettahalli.Nelamangala Taluk by Faculty and technical staff of EEE BMSCE from 18th to 20th July 2016.

5. One week workshop on "Advances in Power Electronics & Drives" from 25th July to 29th July, 2016 was organized by Department of Electrical & Electronics Engineering.

6. Dr.S.Pradeepa delivered a lecture on "Advances In Power Electronics And Its Applications" in the one week workshop on Advances in Power Electronics & Drives on 25/7/2016 held at BMSCE.

7. Dr.S.Pradeepa delivered a lecture on "Research Issues and Challenges in Power System Operation: Distributed Generation, Micro grid and Renewable Integration" in Faculty Development Program held at SJBIT, Bangalore on 26/7/2016.

8. Dr.S.Pradeepa delivered a lecture on "Modelling and Simulation for Power Electronics circuits" in Faculty Development Program held at Global Institute of Technology, Bangalore on 28/7/2016.

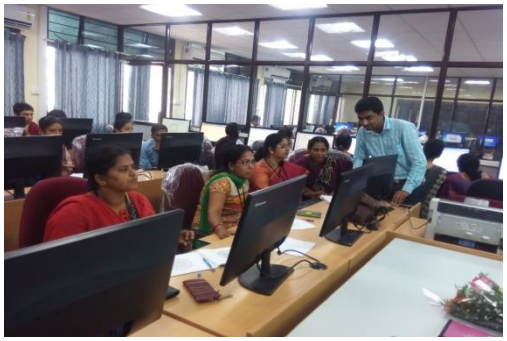
9. Dr.L.Venkatesha delivered a lecture on "Switched Reluctance Motors" in the one week workshop on Advances in Power Electronics & Drives on 26/7/2016 held at BMSCE.

10. Dr.P.Meena delivered a lecture on "Bifurcated Induction Motor generators and their operation" in the one week workshop on Advances in Power Electronics & Drives on 27/7/2016 held at BMSCE.

11. Dr.Chandasree Das delivered a lecture on "Challenges in Power System Operation: Scope of Research" in Faculty Development Program held at SJBIT, Bangalore on 28/7/2016.

Activities in the month of August 2016

1. Department of EEE conducted TEQIP-II sponsored training programme on "MATLAB for design and simulation", from 1st to 3rd Aug 2016 for the faculties of BMSCE.



2. Dr.S.Pradeepa delivered a talk with hands on session on "Simulation of Power Electronics Circuits" on 20/8/2016 for Electrical students of RVCE, Bangalore.

3. An expert lecture on the topic "**Power Engineering and Education"** by our distinguished alumnus Prof S.S Murthy, Former Professor, IIT Delhi was arranged by Department of EEE on 29/8/2016.

4. An expert lecture on "Internet of Things" by Mr. Syam Mandanapalli, lead at the Global IoT Delivery at Dell Services was arranged on 26/8/2016.

5. A visit to Schneider Electric Labs was conducted on 31/8/2016 for the students of Electrical Cluster.

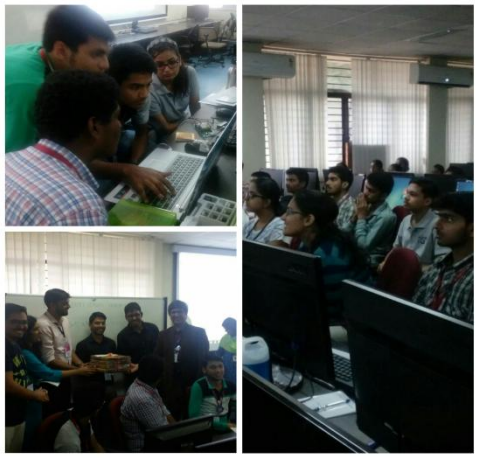
Activities in the month of September 2016

1. Dr.P.Meena and Dr.S.Pradeepa were core committee members for Phase Shift 2016. Dr.K.Padmavathi, B.Venkatesh and Vanishree.G were the department coordinators for Phase Shift 2016.

2. The event 'Circuit Challenge' was organized by the Department of Electrical & Electronics Engineering, in collaboration with Department of Telecommunication Engineering, on 23rd of September 2016 as a part of Phase shift – 2016. The event was coordinated by Nethravathi.S & Ambika.G.Dath

3. The workshop on 'Machine learning' was organized by the Department of Electrical & Electronics Engineering, in collaboration with Graycells Healthcare, LLC, India, on 23rd of September 2016 as a part of Phase shift – 2016. The event was coordinated by Mrs.Soniya Agrawal.

4. The hands on workshop on 'IOT with Intel Edison' was organized by the Department of Electrical & Electronics Engineering, in collaboration with Intel, on 24th of September 2016 as a part of Phase shift – 2016. The event was coordinated by Mrs. Pramada.



5. The event 'Make-A-Thon' was organized by the Department of Electrical & Electronics Engineering, in collaboration with ABB GISL, on 23rd of September 2016 as a part of Phase shift – 2016. The event was coordinated by Ms.Divya.

6. The event 'IOT in Renewable Energy' was organized by the Department of Electrical & Electronics Engineering, in collaboration with Fluxgen Technologies, on 24th of September 2016 as a part of

Phase shift – 2016. The event was coordinated by Ms. Chaitanya.

7. An Expert lecture on "Role of Power Electronics In Power Engineering" was arranged for students and faculty by Department of Electrical & Electronics Department on 27/09/2016. The lecture was delivered by Dr. Raghavan K, Associate Professor, Department Of EE, IIT Gandhinagar.

Activities in the month of October 2016

1. R.S.Geetha of EEE department defended her thesis for the award of PhD on 1/10/2016.
2. A.N.Nagashree of EEE department defended her thesis for the award of PhD on 17/10/2016.
3. A.N.Nagashree published a paper titled, "Uninterruptable Power Supply Design using float and boost technology" in International Research Journal of Engineering and Technology (IRJET) on 23/10/2016.
4. An Expert lecture on "HARMONICS AND THEIR MITIGATION" was arranged for students and faculty by Department of Electrical & Electronics Department on 26/10/2016. The lecture was delivered by Anantha Prasanna, Chief engineer, Fitchner consulting Engineers, Mumbai.

5. An Expert lecture on "Wind Energy In India & Challenges An Overview" by A.S.Karanth, Senior wind energy professional, Bangalore was arranged for students and faculty by Department of Electrical & Electronics Department on 26/10/2016.

Activities in the month of November 2016

1. A Parents-Teachers Meeting was held in the Department of EEE on12/11/2016.

2. A meeting of faculty members of the EEE department was held with Prof. S.S.Murthy on 16/11/2016 to discuss matters regarding up gradation of laboratories, syllabus contents and submission of research proposals in thrust areas under various schemes, identification of key projects etc.

3. A meeting was held with faculty of the EEE department and Mr.Suresh Gangadharan and Chitra of 4eC Nirnay

regarding development of an experiential primer course to help high school students make an effective career decision on 19/11/2016.

Activities in the month of December 2016

1. EEE Department arranged "open house" for Alumni between 10.30 am to 12.30 pm on 17.12.2016