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 2017

1. Dr.R.S.Geetha delivered technical talk on "HVDC Light" in a 5 day workshop on "VSC based HVDC transmission" at SSIT, Tumkur on 10/01/2017.

2. Mrs.Nethravathi.S & Mrs.Soniya Agrawal presented a paper titled: " A Case Study on 21st Century Teaching-Learning Methodologies" at Fourth International Conference on Transformations in Engineering Education at Manipal University Jaipur on 11th & 12th January, 2017.

3. An expert lecture by Sri. Anantha Prasanna, Chief Engineer, Fitchner Consulting Engineers, Mumbai was arranged in Electrical & Electronics Department on 19/01/2017 on the topic "Earthing and Lightning".

4. Prof. V. Champa, Prof. A.N. Nagashree, and Prof. R.S.Geetha were awarded PhD in the convocation held at VTU, Belguam on 21/1/2017.

5. Dept of EEE organised a two day workshop on "Voice controlled Robotic arm" on 28th and 29th Jan 2017 as an outreach activity in association with NITT and TI under the sponsorship of TEQIP.

Activities in the month of February 2017

1. Teqip – II Sponsored One Week Finishing School On Power Distribution Power System Protection Was Conducted For Ug Students Of VI Semester, Dept. Of Electrical And Electronics Engineering, From 30th January, 2017 To 4th February, 2017

2. Extension Lecture Series on "Recent Trends in Traction Systems" by Mr. Gangaraj.H.S, Deputy Chief Engineer (System Design), Bangalore Metro Rail Corporation Ltd., Bangalore on 28thFebruary 2017.

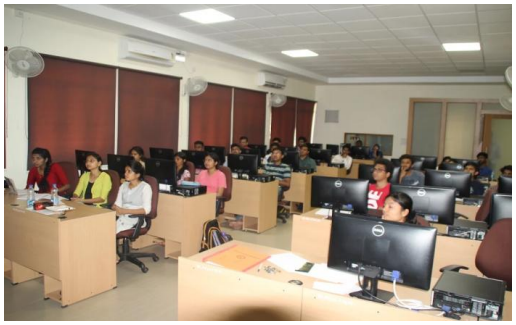
3. Prof.Umavathi presented a paper titled, MODELLING AND ANALYSIS OF HYBRID RENEWABLE ENERGY SYSTEM WITH LUO CONVERTER USING BLDC MOTOR at International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), organized by Pondicherry Engineering College, Pondicherry, INDIA from 24-25 February 2017.

Activities in the month of March 2017

1. Department of Electrical and Electronics is organized a TEQIP II sponsored One Week Finishing School On "Power Electronics And Drives – Design Challenges And Issues" from 27/02/2017 to 03/03/2017.

2. The department of Electrical & Electronics Engineering organized a one week workshop on "Recent Advancements in Materials & Technologies in Renewables" from 6th March 2017 to 11th March 2017 under Centre of Excellence in Advanced Materials Research (TEQIP 1.2.1)

3. The department of Electrical & Electronics Engineering organized TEQIP-II & COE sponsored 3 days hands on training on semiconductor materials, " IC design flow using semiconductor technology " from 28th Feb to 2nd March 2017.



4. Industrial visit to Robert Bosch was arranged for PG students on 31/3/17.

Activities in the month of April 2017

1. Dr. Usha. A co-authored the paper "Design and Simulation of Bridge-less PFC Buck Boost Converter Fed BLDC Motor Drive" in IEEE International Conference on Innovations in Power and Advanced Computing Technologies [i-PACT 2017] scheduled 21-23 April 2017 at VIT, Tamilnadu, India.

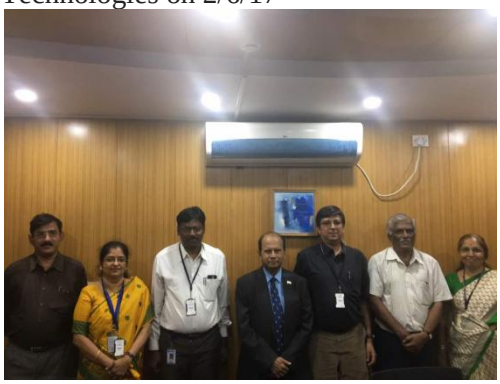
2. Meeting was held in Electrical Department with technical experts on innovation promotion with MSME by Deutsche Gesellschaft fur Internationale Zusammenarbelt(GIZ) Gmbh to finalise two projects on 20th april.

Activities in the month of June 2017

1. Article titled "Monitoring of PV panels based on Internet of things" which is a part of work done in UG project of 2015,guided by Dr. Padmavathi K.,EEE Dept. BMSCE is published in Power Today Magazine in JUNE 2017 edition under the section "Study" pp52-54.

2. Faculty team visited Centum Electronics Ltd on 1/6/17 to

3. Faculty team visited Alpha Design Technologies on 2/6/17



4. Dr.Chandasree Das delivered an Expert Lecture in the Faculty Development Program on "Techniques for Characterization of Materials TCM -2017" on “Thin Film Deposition & Characterization Techniques" at BMSIT, Bangalore on 22/6/17 organized by Department of Physics.

5. A meeting was convened on16th June 2017 at 11 AM in BMSCE to discuss about possible Research collaboration between SJCE and BMSCE in the area of area of pollution control (Application of High Voltage Engineering).

Activities in the month of July 2017

1. Department of Electrical & Electronics Engineering conducted a MHRD sponsored, Global Initiative for Academic networks (GIAN) Course on Electric Vehicles and System Design by Prof. Kaushik Rajashekara, University of Houston, Houstan between July 3rd to 13th, 2017.

2. Department of Electrical and Electronics organized Two Week ISTE STTP On “Electrical Power Systems" from 10th July to 15th July 2017.

3. Dr.R.S.Geetha delivered a lecture entitled "Modeling of Electrical systems" on 24/7/2017 in a Two-week Short Term Training Programme on 'Advances in Finite Element Methods and Applications' , organized by ISTE-BMSCE chapter.

4. Dr.P.Meena Prof. EEE was invited as panelist representing BMSCE for the discussion on, "Responsiveness of Academia towards Industrial Requirements & Alliances and Collaborations between Academia and Industry" at the workshop on Industry-Academic Institutions Collaboration for Innovations organized by CLIK (Consortium of Electronic Industries, Karnataka) and GIZ (Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) GmbH held on 26th July, at Le Meridien Bangalore.

Activities in the month of August 2017

1. Department of Electrical & Electronics Engineering conducted a One Day workshop On “MATLAB/Scilab/Octave.. What to take on? ” By Mr. Vikram, MATLAB Trainer, Bangalore on 8th August 2017.

2. Department of Electrical & Electronics Engineering organised a Lecture by Prof. Vasanth Honavar, our distinguished alumni on “Opportunities for Higher Studies in the

area of Machine Learning, Data Mining, and Big Data Analytics" on 08.08.2017

3. Dr. Usha A presented a paper titled "Design and implementation of ZigBee based Home-Automation system for smart lighting control using MeshBee JN5168 controller".
   at the International Conference on Smart Grids, Power and Advanced Control Engineering (ICSPACE 2017), held at the Global Academy of Technology, Bangalore, India from 17-19 August 2017.

4. Dr. Usha A presented a paper titled"Design and Implementation of Pulsed Output Interleaved Flyback converter with Lossless snubber and current mode control"at the International Conference on Smart Grids, Power and Advanced Control Engineering (ICSPACE 2017), held at the Global Academy of Technology, Bangalore, India from 17-19 August 2017. The paper also won best paper award.

5. Dr.P.Meena presented a paper titled "Performance Evaluation of a Novel Bifurcated Winding Induction Generator by Finite Element Model" at the International Conference on Smart Grids, Power and Advanced Control Engineering, ICSPACE 2017, held at the Global Academy of Technology, Bangalore, India from 17-19 August 2017.

6. Dr.P.Meena presented a paper titled, "Control Strategy for an Induction-Generator in TSCAOI Mode" at the International Conference on Smart Technologies for Smart Nation (SmartTechCon 2017), held at the REVA University, Bangalore, Karnataka, India from 17-19 August 2017.

Activities in the month of September 2017

1. Umavathi M, Presented a paper titled "studies on solar wind Energy system using zeta converter fed brushless DC motor"in the ICMR sponsored national conference on "ICT solutions for challenges and issues in e-health (NCCICTEH'17) , on 1st sept. 2017 at Puducherry Engineering College, Puducherry

2. A visit to High Voltage Engineering dept, IISc, Bengaluru on 14/9/17, by HOD, EEE and Dr.A.N.Nagashree along with VII sem students. A meeting with Dr.Rajnikanth, professor, High Voltage Engineering, IISc, bangalore was held to explore the possibility of research in the high voltage area and possibility of projects.

3. As a part of Phase Shift 2017, following events were conducted from the department:
   Events
   1. Mechathon (Sponsored by FluxGen Engineering Technologies)

2.Technical Discussion -Sponsored by Byju's
3.Circuit Challenge (Sponsored by Magnewin Energy Pvt. Ltd.)

Workshops
1. Image Processing by Mathworks
2. Industrial Automation & Control by VanJay Automation

4. Dr.P.Meena presented a paper titled "Comprehensive course in Power Electronics and its Impact on Learning Outcomes" at The International conference on collaborative learning ILC 2017 held between 27th to 29th September 2017 at Budapest, Hungary.

Activities in the month of October 2017

1. The 5th sem EEE students visited Shimsha hydel power plant and Shivanasamudra solar power plant on 10.10.2017.

Activities in the month of November 2017

1. The department of Electrical and Electronics Engineering, BMSCE organized a one-day Industrial Visit to BMRCL, Bangalore for the 7th semester, EEE students on 3rd November ,2017.

2. The department of Electrical and Electronics Engineering, BMSCE organized a one-day Industrial Visit to ISRO Satellite Centre(ISAC) for the third year, 5th semester, EEE students on 10th November ,2017.

3. The department of Electrical and Electronics Engineering, BMSCE organized TEQIP III and IEEE SSIT sponsored one-day Workshop on Research Methodology for the PG Students of all branches on 17th November, 2017.

4. The department of Electrical and Electronics Engineering, BMSCE organized a one-day Industrial Visit to JVS Electronics, Bidadi for the 7th semester, EEE students on 23rd November, 2017.

Activities in the month of December 2017

1. The department of Electrical and Electronics Engineering, organized alumni meet on 16/12/2017.

2. Dr.Padmavathi K. chaired a session in CCUBE-2017 , 2 nd International Conference held at RNSIT, Bangalore.

3. Dr.A.Usha participated in an outreach programme to educate blind students in the field of Science and Technology on 17th December 2017 at Vidya Vikas Trust, Rajaji Nagar, Bangalore.