

**BMS COLLEGE OF ENGINEERING, B'lore -19**  
[Autonomous Institute, Affiliated to VTU]

**DEPARTMENT OF ELECTRONICS & COMMUNICATION  
ENGINEERING**

**ANNUAL ACTIVITY REPORT**

**APR 2019 – JUN 2020**





## APRIL – 2019

**08/04/2019:** An Extension Lecture was organized by Dr. Rajath Vasudevamurthy, Asst. Prof., titled “**LOCK and ROLL** -- An Introduction to Crystal Oscillators and Phase Lock Loops” delivered by Śrī Narayan Prasad. The lecture was targeted at UG 6<sup>th</sup> semester students of ECE department and also open for interested PG students and faculties. Smt. Sanjana T, Smt. Harshitha B attended the lecture.

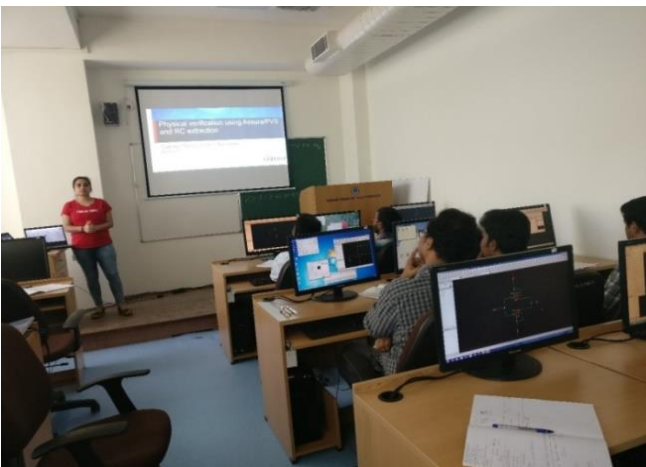


**13/04/2019:** Sriramanavami Pooja performed at the communication lab.

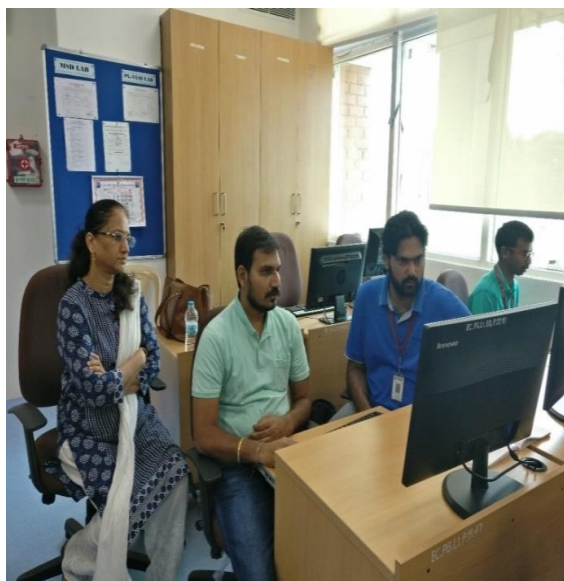


**14/04/2019:** Dr. Sudhindra K R, Assoc Prof., delivered training to ten different countries engineers at UTL technologies, Bangalore on “4G and 5G mobile technologies”.

**08/04/2019-09/04/2019:** Dr. Vasundhara Patel K S, Professor, organised a hands on session titled “**PG BUNDLE TOOL FLOW**”. Invited Resource person was Mr. Manish & Ms. Priyanshi delivered talk on “Analog flow” and Ms. Namrata, Ms. Shubhangi and Ms. Priya on “Digital flow”. Target audience were the students of II SEMESTER, M.Tech-VLSI at the venue VLSI Lab.



**14/04/2019:** Dr.Vasundhara Patel K S, Professor, organised a guest lecture and hands on session titled “PLL DESIGN IN 180nm CMOS TECHNOLOGY”. The resource person was Mr. Krishna Reddy M V, Senior Analog Design Manager TEXAS INSTRUMENTS. Target audience were the students of II SEMESTER, M.Tech-VLSI at the venue VLSI Lab.



**14/04/2019:**Dr.Vasundhara Patel K S, Dr. Veena M B, Professor, organized an industrial visit to Indian Institute of Science (IISc), Bangalore for the students of II Semester M.Tech - VLSI Design and Embedded systems and M. Tech - Electronics.



**24/04/2019:** Dr. Arathi.R.Shankar, Dr. Jayanthi K Murthy, Dr. S. Akhila, Prof., organized an industrial visit to Doordarshan Kendra, Bengaluru for the second semester students of M.Tech –DC.

**26/04/2019:** Dr. M. Anantha Sunil, Dr. Rajath Vasudevamurthy, Asst.Prof., organized an industrial visit to Doordarshan Kendra, Bengaluru for the sixth semester UG students. Mr. Ram Mohan, department engineer, the one who walked with everyone effortlessly through the production process.



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## MAY 2019

**10/05/2019:** A guest lecture on “Algorithms and computation theory” was organized for the students of EC department. Dr. Zvigalil, John.P.Imlay Jr. Chair and Dean, The Georgia Institute of technology College of computing was the invited speaker along with Dr. S SIyengar, Director, FIU. Dr.Poornima.G, AssocProf., organized the guest lecture.



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## JUNE 2019

07/06/2019: Dr Seshachalam D, Prof., invited as session chair –National Conference on “Recent trends in science, engineering and management” at Dr.Ambedkar institute of technology, Bangalore.

08/06/2019: Dr. Sudheendra K R, Assoc. Prof, invited as session chair –National Conference on “Recent trends in science, engineering and management” at Dr. Ambedkar institute of technology, Bangalore.



10/06/2019 -11/06/2019: Dr. Sudheendra K R, Assoc. Prof, invited to deliver talk on “ICT in engineering education” in a two week FDP on “outcome based education at Velammal Institute of technology, Madhurai.



10/06/2019-29/06/2019: Dr.Meera. A and Vasundhara Patel. K S, Prof. and Prof Pushpa K organised four weeks internship for fourth semester students on "Python Scripting". A total of 66 students attended. The invited resource was Mr. RaghuramShivaram, adjunct faculty of BMSCE and the CEO of Pushkala technologies pvt. Ltd., Bangalore.



10/06/2019 -11/06/2019: Dr Seshachalam D, Prof., invited to deliver talk on “In-depth of program Outcomes” at AICTE sponsored FDP – “Outcome based Education” organized by Department of Computer science Engineering conducted by Velammal college of Engineering, Madhurai, Tamilnadu.



**15/06/2019:** Dr. M. Anantha Sunil, Asst.prof., Department of Electronics and Communication Engineering, BMSCE has been appointed as Board of Studies member and subject expert for Department of Electronics and Instrumentation Engineering at Lakireddy Bali reddy College of Engineering, Mylavaram, Andhra Pradesh.



**24/06/2019:** Dr. G Poornima, Dr. Kiran Bailey, Prof Sujatha K and Prof Narayan T Deshpande, AssocProf., Dr. Maligi Anantha Sunil and Dr. Rajath Vasudevamurthy, Asst. prof., organized a two week FDP on “IOT and its Applications”. Speakers Mr. Adithya ,Mr. Supreeth, Ms. Apoorva from Tequed Labs Pvt. Ltd., were invited. A total of 25 faculties from other colleges and in-house faculties attended.



**17/06/2019-21/06/2019:** Dr. Suma M.N, Assoc. Prof.organised a one week FDP on "Wireless networks-a smart city perspective". Resource persons from various industries interacted with the faculties and delivered talk on different topics related to wireless networks. A total of 25 faculties from other colleges and in-house faculties participated in the FDP.As part of the FDP, industry visit was organized to M/s. NOKIA Networks, Bangalore.



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## JULY 2019

05.07.2019: A one month internship on “IoT Software Development” was organized in association with ESSCI, Manjrasoft Pvt.Ltd., and Pushkala Technologies for the UG as well PG students. Mentors associated were Dr. Ravishankar B V, Principal- BMSCE, Dr. Mohan Babu GN, Principal - BMSIT, Dr. Vasundhara Patel, Prof, Dr. Siddappaji, Assoc Prof, Mr. Raghuram Shivaram, Pushkala Technologies, Smt. Soumya Sunkara, Asst. Prof.



A research paper authored by Dr. Vasundhara Patel K S, Prof. and Lavita Floria Vas, titled “CAN Based Data Acquisition and Data Logging System for Vehicular Communication” got published in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 06 Issue: 07 | p-ISSN: 2395-0072.

29.07.2019: Dr. Akhila S Prof., Dr. Jayanthi K. Murthy Assoc Prof., Smt. K Vijaya and Smt. Sowmya Sunkara, Dr. M Ananta Sunil, Dr. Rajath V Murthy, Asst. Prof, Dr. Manish Rai, Dr. H K Tomar FET MJP Rohilkhand University organized a five day faculty development program on “State of the Art in RF and Wireless Communication Design”. Faculties from various Colleges and Research scholars benefited from this program as hands-on sessions were also included.

11.07.19 & 12.07.2019: Dr. Seshachalam D, Prof, invited as a Jury for Smart India Hackathon (SIHH-2019), a National level event conducted by AICTE at INDORE, Madhya Pradesh.

16.07.2019: Dr. Seshachalam D, Prof, invited as a Chief guest for inauguration of workshop as well delivered a Keynote address on OBE and NBA accreditation processes at SJBIT, Bangalore.



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## AUGUST 2019

03/08/2019: A four week Internship for the sixth sem students was organized in association with Verikwest systems Inc. and the valedictory program was held. Dr. B.V. Ravishankar, Principal BMSCE, Dr. Loganath Ramachandran, CEO and Mr. Mahesh From Verikwest Systems Inc. distributed the Internship completion certificate for the attended interns and the technical staff supported for the internship.



27/08/2019: Dr. K P Lakshmi and Dr. M N Suma, Professors were invited as resource persons for the one day “Hands on workshop on Python Programming” at Government Polytechnic, Channapatna.



07/08/2019: A team of three faculty namely Mrs. Radha R C, Mrs. Archana H R and Mr. Surendra H H were invited as resource persons for “Hands on Workshop on LEGO Robotics” at Dept of CSE, School of Computer Science and Engineering, JAIN Deemed To Be university, JGI Global Campus, Bangalore.



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**07/09/2019:** Screening of – “**The Landing of Chandrayaan II**”. Considering the turn of events at ISRO, ISTRAC Bengaluru, we modified and added an address by faculty members of ECE - Dr. Jayanthi K Murthy, Dr. BS Nagabhushana and Dr. Prerana Gupta Poddar to discuss the modalities and intricacies of such a mission.

**15/09/2019:** Dr. Sudhindra K R, Assoc. Prof. has been invited to deliver a talk on “**Standards of mobile communication**” at UPES, Dehradun.



**16/09/2019:** Dr. Sudhindra K R, Assoc. Prof. has been awarded with “**Sir M.V. Award**” from Mandya district Cultural organization & Brahmana sabha during “**Engineers day**” celebration for outstanding contribution in the field of Science and Technology.

**20/09/2019:** Dr. Suma M N, Professor delivered keynote on “**Trends and developments in Digital Image Processing and Signal processing**” in workshop on image processing at IEEE COMSOC branch CMRIT, Bangalore.



**20/09/2019&21/09/2019:** Dr. R. Jayagowri, Assoc. Prof., coordinated in organizing an “**IEEE-TTTC VLSI Test seminar**”. Speakers are Domain Experts from various industries like AMD, Rambus, Qualcomm, Tessolve semiconductors, Cypress semiconductors.



17/09/2019: Mr. Muralidhara, Instructor and Mr. Prakash R, Instructor and Ms. Gayetri, Research Scholar attended “**Keysight world-2019**” at Leela Palace, Bangalore. They participated in the quiz competition after each session and bagged first prize.



30/09/2019: Dr. Suma M N, Dr. Lakshmi K P, Professors-ECE and Dr. Jayarekha P, Dr. Shambhavi, Professors-ISE, co-ordinated in organizing AI, ML, DL workshop(Three weeks) for third year students of BMSCE. This workshop sessions are handled by Mr. VivekSinghal,CEO,CELLSTART.



25/09/2019 -27/09/2019:

Dr. Kiran Bailey, Assistant Professor deputed for the AICTE approved and TEQIP-III sponsored 3 Day National workshop on "Mentoring the Mentors of Universal Human Values for Student Induction Programme" organized at Institute of Engineering & Technology, Alwar, Rajasthan.



## The theme of Phase Shift 2019 held on 14/9/2019 & 15/9/2019 was 'Energy and Sustainability'.

Under the banner of **Phase Shift 2019**, the Department of Electronics and Communication Engineering contributed the following:

- Conducted five competitive events,
- Organized two workshops,
- Managed to get three companies to set up their stalls at Phase Shift,
- The department itself set up a stall to display the best projects carried out in the past year, and got sponsorship from nine companies.

### 1. Fury Road V5:

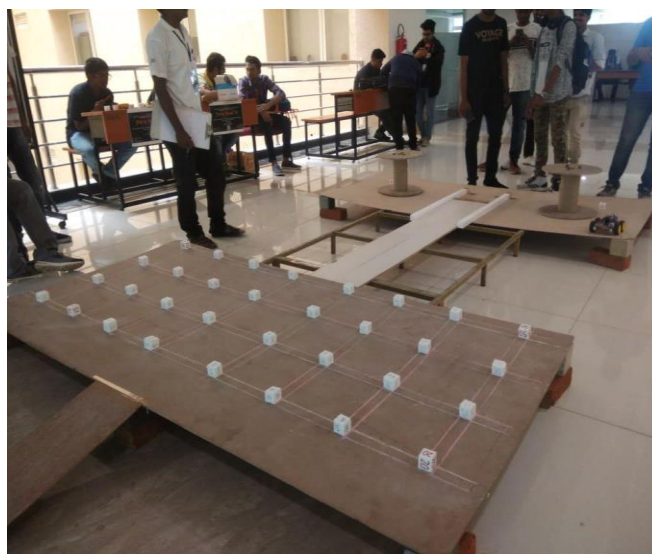
The scintillating flagship event of the EC department is the Fury Road. The participants are required to build an RC (remote controlled) car on their own. The car will be tested against other team's cars until the last one standing is worthy of being the winner. The winner received a cash prize of 8,000 rupees and the runner up received 5,000 rupees. This event tests the team's RC car on design, speed, durability, power and additional features. There will be three different rounds wherein only the top teams with best performance will be qualified for further rounds. The event was conducted on 14<sup>th</sup> and 15<sup>th</sup> of September. **50 teams** participated in the event.

The industry collaboration was with Silverline Electronics, who provided 15 MAGPIE Magazines worth 9,000 and a total sponsorship of 24,000 rupees. The event coordinators were Akash Jawahar S, Varun Kumar TP and Yashas HS. The faculty coordinator was Śrī J. Dinesh Reddy.

**Round 1:** This round was conducted on 14th September. Teams were required to complete a given maze and collect a maximum number of coins within a given time period, without being caught by the chaser bot. The teams scoring the highest points were qualified for the next round.

**Round 2:** This round was conducted on 15th September. This round is a 1 VS 1 knockout match. Teams had to accumulate maximum number of cubic points against each other in their respective goals.

**Round 3:** This round was conducted on 15<sup>th</sup> September. In this final round, the top qualifying teams raced with each other, head on, to win the competition.



**AI Challenge** was held on 15<sup>th</sup> of September 2019 in collaboration with Streamoid Technologies Pvt. Ltd. The faculty coordinator was professor Dr. K. P. Lakshmi and the event coordinators were Chetana K, G S Shreyas and Nikita R. The participants were required to build a machine learning model for the given problem statement and the image dataset. The problem statement given was to classify the set of images into organic and recyclable waste and further classify them as apple, orange

or banana under organic and as plastic, tin or cardboard under recyclable. The datasets provided included two folders containing recyclable and organic images. The main aim was to get the models of the participants to recognize an image that contained any combination of the recyclable and organic wastes. The participating teams also presented their algorithm and the models used to the panel of judges from Streamoid Technologies this was followed by a questionnaire. The two teams that presented had two very different approaches to the problem statement but at the same time gave the judges satisfactory results.



**3. Circuit Sculpture: The Battle of Bidding:** The event was conducted on 14<sup>th</sup> September 2019, Saturday; with 9 teams participating in the event. The event coordinators were Sai Lahari S, Ranjith and Yuktha C. The faculty coordinator was Dr. Jayanthi K Murthy.

**Round 1:** A series of questions were given to the participants who earn points for correct answers. Using the points earned in this round the participants got to bid for the components in the bidding round.

**Round 2:** Circuits were assigned to each team through a puzzle

**Round 3:** The qualified teams bid for components required to complete the circuit assigned to them. This round tested their basic knowledge of electronic circuits.

**Round 4:** In this round, participants designed their respective circuits using components they bid and tested their circuit with various test cases.

The top two winning teams walked away with prize money Rs. 2,000/- and Rs. 1,500/- respectively.



**4. The Decryptor:** The event was conducted on 15<sup>th</sup> September, Sunday; consisting of 3 rounds. The first round was general quiz about energy and sustainability through which participants were to solve quiz and a word was to be coined(eg:sustainability). Ten teams were selected to the second round. Before the beginning of next round the circuit to be built was shown and explained to the participants to remember it till the last round. The second round was treasure hunt, where the participants were required to gather circuit components to be used in the last round. The components were placed around the campus of BMSCE and 6 teams were finalized for the third round. The last round had 2 sub-rounds: building circuit based on memory and last round was to build the same circuit with jumbled and extra components. With the competition conducted in a fair manner, top two teams were declared as winners.

The coordinators conducted by 3 event coordinators - JagritDuseja, Mahalaxmi and SethashtaPathre P Kumar. The faculty coordinator was Dr. R. Jayagowri.



**5. Make-a-mark:** Make-a-mark was a non technical event which tested the aptitude, convincing and presentation skills of students. The judges for this event were Rahul Kolle and Sarthak Goyal, alumni of BMSCE, who are very famous for their public speaking skills. The first round of make-a-mark needed students to decrypt ciphers in order to get a keyword as a result. When they got the keyword they gave it to us. We presented them a problem statement for that particular keyword. They had to use that to make a presentation in order to provide a solution and explain their whole project. The judges wanted the participating teams to prepare a presentation which focused on all these aspects:

- Complete corporate plan
- Complete financial plan
- Investment plan
- Main focus on the idea they have

**Round 1:** Decryption Round: the teams start with a total of 20 points. They would lose 5 points if they asked for a hint or another question.

**Round 2:** Consisted of a total of 60 points (each judge having a separate scoresheet). The second round was based completely on the judges. The aggregate score was taken and the winner and runners up were decided.

**Proceedings:** There were a total of six teams participating. Four teams made through to the second round. All the teams decrypted in about twenty minutes. Before the second round, participants were given an hour of preparation time before they presented their ideas. The judges offered a bonus of 10 points for the team which would come forward first. The event went smoothly and even from the audience we received responses and questions to the teams. Rahul and Sarthak made sure they judged everything. They made sure the participants were very detailed about their ideas and presentations. Professor Dr. B. S. Nagabushana, who was the faculty coordinator for this event added his valuable insights to the event even before and after the event. The event concluded with a valuable note from Professor Dr. B. S. Nagabushana and the jury, Rahul and Sarthak.





## Workshop 1: IoT and its Applications

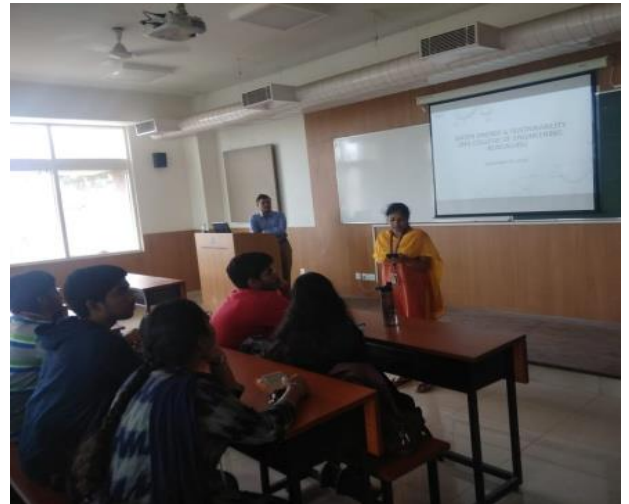
The workshop was conducted on 14<sup>th</sup> September, Saturday by two resource persons from Tequed Labs, one of the sponsors for Phase Shift from the Department of ECE. The workshop saw 60 students participants from different colleges and various branches of engineering. The event coordinators were AbhinavBijapur and Amar Khumasu with the faculty coordinator being Dr. Prerana Gupta Poddar.



## Workshop 2: Solar power harvesting

The workshop on solar power harvesting was conducted on 15<sup>th</sup> September, Sunday. The workshop was followed by a competitive event.

The first session was conducted between 10:30 AM and 1:00 PM, during which the resource person SriShyam Prasad addressed the participants about the theme of Phase Shift, specially emphasizing on sustainability. He stressed on the importance of water resource management, touching upon various aspects of it such as – energy spent in transporting water, sanitation, sewerage treatment etc. The problem of floods and draught occurring at the same place separated by a few months as we are seeing in front of our eyes, depleting ground water resources were also highlighted.



## OCTOBER – 2019

7/10/19-10/10/2019: The ELSOC club of BMSCE in association with FURY ROAD V5, the flagship event of ECE department for Phase-Shift-2019, conducted a series of three workshops on 'how to build a remote controlled car' on 07/09/2019, 08/09/2019 and 10/09/2019. The workshop for 7th October was held in CR-306, ECE block and the other two workshops were conducted in BSN Hall, PG block, BMSCE.



18/10/2019: Mr. Uday Kumar, Mr. Dandapani, Mr. Sambashiva Rao were the invited Resource persons and introduced about Alpha Design Technologies Ltd. The event was organized by department of Electronics and communication by the students of Telemetry tracking and command (TT&C) system of student satellite program, BMSCE. The faculty coordinator for the event was Dr. Jayanthi K. Murthy and the student coordinators were Chaya Hegde and Rashmi Pai K. The event took place at auditorium 2 of BMSCE a total strength of 89 students attended the guest lecture.



12/10/2019: An Extension Lecture was organized by Dr. Rajath Vasudevamurthy, Assistant professor titled "Overview of Near-Field Communication (NFC) with Applications in RFID System Design" delivered by Śrī Satya Sai Evani. The lecture was open for interested UG & PG students, research scholars and faculty.



25/10/2019: Mr. Harish. V. Mekali, Assistant Professor, invited as resource person to deliver a guest lecture on "ARM Processors", at BIT, Bangalore.



15/10/2019: Mrs. Archana. H R, Assistant Professor, Published a paper titled-Effective Analysis of an Iterative Median Filter-Hardware and Software Perspective in International Journal of Recent Technology and Engineering (IJRTE)  
ISSN: 2277-3878, Volume-8 Issue-3, September 2019.

22/10/2019: Ms. Rakshitha of EC Department secured second place in 21Kms Half Marathon event in VTUS inter collegiate Athletic Meet-19 held at Bidar.

30/10/2019 -06/11/2019: Dr. Suma M N and Dr. Lakshmi K P, professors organized a value added course(Hands on training) in **Machine Learning** for the students of **M. Tech –VLSI, EC, ES,ML.**



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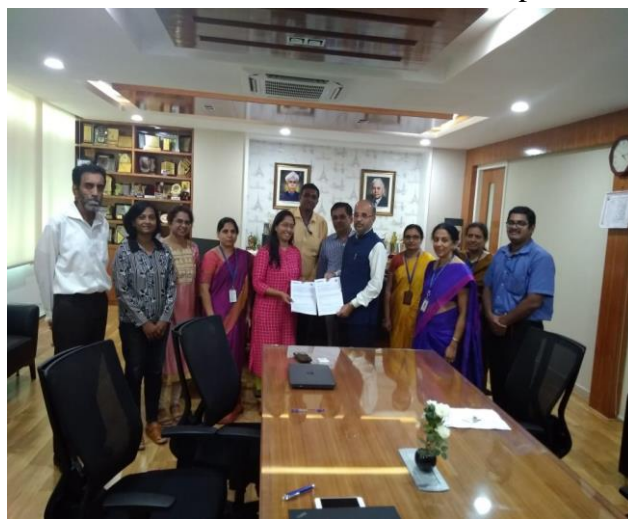
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## NOVEMBER 2019

02/11/2019: Centre for Leadership Development, Venus International Foundation, Chennai conferred the award of “Excellence in Higher Education” to Dr. Poornima. G, Assoc. Prof.



22/11/2019: MoU signed between Nokia Networks and BMSCE in the presence of Industry Experts from Nokia R&D Centre Mrs.Ponni, Mrs. KavithaPai, Mrs. Suma and subject experts from EC department.



06/11/2019: Dr.Sudhindra K R, Assoc.Prof, Delivered a talk on “Drafting Reaserach Paper”at SJGIT,Chikkaballapura. A total of 450 students were the target audience.



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## JANUARY 2020

**20/01/2020 - 23/01/2020:** Dr. Maligi Anantha Sunil, Assistant Professor, invited as a resource person to deliver a talk on “Fabrication of AgInS<sub>2</sub>/ZnS Heterojunction solar cells using Physical and Chemical Methods”, in National workshop on Advanced Analytical Techniques in Materials Science at the University of Calicut, Kerala.



**28/01/2020:** Dr. Seshachalam.D, Professor, was invited as session resource person in the VTU-TEQIP1.3 sponsored training program on “OBE and NBA Accreditation” at DON BOSCO Institute of Technology, Kumbalagodu, B'lore.



**21/01/2020 – 25/01/2020:** Dept. ECE and Dept. of CSE jointly organized one week Faculty Development Program on “Recent Trends in Deep Learning and its Applications”.

**Dr Geetishree Mishra, Assistant Professor** handled sessions on “Deep learning and Neural network concepts on 21<sup>st</sup> January 2020, Training a Neural network (Single/Multilayer Perceptron, Gradient Descent, Backward Propagation, vanishing gradient, optimization & Activation functions), Building regression and classification models with keras. Image Classifier with Tensorflow – Keras Hands on session on 22<sup>nd</sup> and 23<sup>rd</sup> of January 2020. **Prof Sanjana T & Prof Bhavana H T** handled a session on “Comparison of different tools, Frameworks and Libraries available for Deep learning” on 21<sup>st</sup> of January 2020.



**27/01/2020 - 28/01/2020:** Fourth Semester and Sixth semester students were addressed by the course instructors and an induction program was organized. Mr Shyam Sundar,CEO, Paajaka Consultancy Services delivered a talk on “Entrepreneurship and Skill Development” and “Personality Development” and Mr. Shyam Prakash, delivered a talk on “The relevance of Ancient wisdom on Technology by 2025”.

**29/01/2020:** Dr. Seshachalam.D, Professor, was invited as resource person in the faculty development program on “OBE” at Department of Mechanical Engineering, BMSCE, B’lore.



**31/01/2020:**Dr. Sudhindra K.R, Associate Professor, was invited to deliver a talk on Trends in Mobile Technology”, at FET MJP Rohailkhand University, Bareilly, U.P.



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# FEBRUARY - 2020

**23/02/2020:** Ms.Vijaya Patil, Student from department of ECE, Secured first place in State level essay competition held by Samartha Bharata and Mythic Society, Bengaluru.

## ರಾಜ್ಯ ಮಟ್ಟದ ಪ್ರಥಮ ಸ್ಥಾನ ಪಡೆದ ವಿಜಯಾ ಪ್ರಥಮ

ರಾಜ್ಯ ಮಟ್ಟದ ಪ್ರಥಮ ಸ್ಥಾನ ಪಡೆದ ವಿಜಯಾ ಪ್ರಥಮ. ಈ ಸಂದರ್ಭದಲ್ಲಿ ವಿಜಯಾ ಪ್ರಥಮ ಅವರು 'BE GOOD DO GOOD' ಎಂಬ ವಿಷಯದ ಮೇಲೆ ಉತ್ತಮ ಉಪಲಬ್ಧಿ ತೋರಿಸಿದ್ದಾರೆ. ಈ ಸಂದರ್ಭದಲ್ಲಿ ವಿಜಯಾ ಪ್ರಥಮ ಅವರು 'BE GOOD DO GOOD' ಎಂಬ ವಿಷಯದ ಮೇಲೆ ಉತ್ತಮ ಉಪಲಬ್ಧಿ ತೋರಿಸಿದ್ದಾರೆ. ಈ ಸಂದರ್ಭದಲ್ಲಿ ವಿಜಯಾ ಪ್ರಥಮ ಅವರು 'BE GOOD DO GOOD' ಎಂಬ ವಿಷಯದ ಮೇಲೆ ಉತ್ತಮ ಉಪಲಬ್ಧಿ ತೋರಿಸಿದ್ದಾರೆ.



**29/02/2020:** Dr. Vasundhara Patel. K S, Professor, Abhilash, P, PG scholar and Shruthi G, Research scholar authored a paper titled "Beyond Binary, Beyond CMOS Implementation of TCAM Array" and got published in "Web of science Journal".

**29/02/2020:** Dr. Rajath Vasudevamurthy, Assistant Professor was invited by the IEEE Cloud Computing in Emerging Markets (CEEM) Organizing committee to be a mentor at the Pre-Conference at the Oterra Hotel, Electronic City, Bengaluru, to review short-listed student project proposals and provide constructive feedback.

He also guided two student teams from BMSCE - ECE department to submit project proposals to the said workshop. Sree Vaishnavi, Supreetha M. A., Shweta R. Joshi and Soumya S. Metri of 4th semester, Vineeth Krishna and Deepak R of 6th semester attended the workshop, presented their project ideas to an expert team and obtained valuable feedback to progress further.

**27/02/2020:** Mr. Surendra. H. H, Asst Professor, presented a research Paper in International Conference on Automation, Signal Processing, Instrumentation and Control (i'CASIC 2020), titled "Evaluating Model fit for a time series Solar Irradiance and DC power data to forecast accuracy measures", at Vellore institute of technology, Vellore.

**27/02/2020:** Dr.Akhila. S, Professor and Dr.Veena M.B, Assoc.Professor, attended 2 day workshop on 'TheConceive –Design –Implement-Operate' (CDIO), BMSCE.

**29/02/2020:** Students Mr. Krishanji Kulkarni and Shashikumar bagged first place in VTU Kho-kho Tournament.



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## MARCH – 2020

03/03/2020: Dr. Suma M N and Dr. K P Lakshmi, Professors, organized guest lecture on “EMI/EMC – opportunities from industry”. Speakers were Mr. Arvind Kamath, Principal Consultant, Robert Bosch Engineering and Business Solutions and Mr. Girish, Director and partner Predipower Solution. Mr. Girish spoke about opportunities for EC engineers in various domain for EMI and EMC such as automotive, IOT, healthcare products. Mr. Arvind spoke on relevance of EMI and EMC in electronic product design. He gave insights with case study on braking system. He also explored internship and job opportunities. Number of students participated are 100 from fourth and sixth semester and 8 faculty members.



05/03/2020: Around 45 students were accompanied by Dr. Suma M N, Dr. K P Lakshmi, Dr. K R Sudhindra, Dr. Geetishree Mishra to Indian Telephone Industries, Bangalore (ITI) and visited to IOT lab, 3D printing and injection moulding. PCB Fabrication Lab, EMI/EMC Test Facility, Mechanical Shop floor.



05/03/2020: Dr. Vasundhara Patel K S and Dr. Veena M B organized a visit to Indian Institute of Science, Bangalore for the students of M.Tech VLSI, Electronics & Technical staff (Mr. Muralidhara M.R, Foreman & Mrs. Radha B, Technical assistant)



11/3/2020: Dr. Geetishree Mishra, Assistant Professor delivered a Technical talk on “ARM Cortex M3 hands-on LPC1768” between 6.00 p.m-8.00 p.m for UG 6th Semester EC students of B.M.S Evening College of Engg. The event was organized by Mrs. Shrisha M.R, Assistant Professor Dept. of ECE.



20/03/2020 & 27/03/2020: Dr. Rajath Vasudevamurthy, Assistant professor had organized an online extension lecture on the topic "Lock and Roll: Introduction to Crystal Oscillators and Phase Lock Loops" delivered by Śrī Narayan Prasad on 20/03/2020 between 11:30AM and 12:30PM and on 27/03/2020 between 4:00 and 5:30PM. Around 100 students of UG 6th semester and a couple of faculty attended the sessions.




## JUNE - 2020

**05/06/2020:** Mr. Thimmaiah. M.B, worked as Helper in the department of ECE , was felicitated on super-annuation, by the teaching faculties & technical staff.



**07/06/2020:** Dr. Geetishree Mishra, Assistant Professor, delivered a talk on “ARM Cortex SoC for Embedded Applications” under IEEE-SSIT, Bangalore Section between 6.00pm-8.00pm for UG-6th Semester EC students & 4th semester CS students of B.M.S Evening College of Engg. The event was organized by Priyadarshini Jainapur, Assistant Professor, Dept. of ECE, B.M.S Evening College of Engg. Around 80 students and faculties attended the session.




**BMS EVENING COLLEGE OF ENGINEERING,**  
BENGALURU-19

Department Of Electronics and Communication Engineering  
Organizing Online Technical Seminar on

**“ARM CORTEX SoC FOR EMBEDDED APPLICATIONS”**  
JUNE 7<sup>th</sup>, 2020 AT 6 – 8PM

**WE CORDIALLY INVITE**

<p><b>CHIEF GUEST</b> Dr. LAKSHMI NARAYANA Chair IEEE SSIT BS Bangalore Section, Professor, Department of ECE, BMS College of Engineering, Bangalore</p>	<p><b>DIGNITARIES</b> Dr. BHEEMSHA ARYA, Principal, BMSCE Dr. K VENKAT RAO, Vice Principal, BMSCE</p>
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**(RESOURCE PERSON)**  
Dr. GEETISHREE MISHRA,  
Assistant Professor, Dept. of ECE, BMSCE

**ORGANISER:**  
PRIYADARSHINI JAINAPUR,  
Assistant Professor, Dept. of ECE,  
BMSCE. 9782797689

**05/06/2020-07/06/2020:** "Beat the Pandemic" - (Building effective solution to win battle against COVID-19) held from 5-7 June, 2020 Student group: Sahana Arekal (1BM17EC089), Prathima K(1BM17EC077), Rakshith G. Kanchan(1BM17EC085),Rakshith P (1BM17EC086), Uma Maheshwar Reddy N (1BM17EC117) - "AUTONOMOUS SCREENING SYSTEM "Won first place in BMSCE Hackathon - "Post COVID19 redevelopment /rehabilitation". This student group was mentored By Mrs. Sanjana T, Assistant Professor

**11/06/2020:** Under the supervision of Dr. Veena M.B, Associate Professor, EC-Research center student Mrs. Azra Zeelan defended her Ph.D thesis Online, titled “Optimized Noise filtering Algorithm for underwater imaging applications”.

**WINNERS – BMSCE HACKATHON**



**24/06/2020-25/06/2020:** Start-up cell and MHRD- IIC - BMSCE coordinated by Dr. Suma M N, Professor, organised two days webinar on “ENHANCEMENT OF CURRICULUM THROUGH CDIO”. Resource persons were Dr.Samitha Maitra, Dean Academics, Dr. K. Vijayalakshmi, HOD,ML, Dr.KP Lakshmi, Professor, ECE, Dr.Abishek M Appaji, ICRD, Asst Professor, ML, Dr.Veena N Hegde, HOD E&I, Dr. P Meena, HOD, EEE.

**30/06/2020:** Dr. Nagabhushana B S, & Dr. Akhila. S, Professor and a team of 5 students has won the 'Certificate of Excellence' for their work-let under Samsung PRISM. The team has won prize money of \$900.

**30/06/2020:** Dr. M. Anantha Sunil, Assist Professor, Published a paper Titled “Effect of copper concentration on CTS thin films for solar cell absorber layer and photocatalysis applications” in the Journal “ Superlattices & Microstructures”, Volume 145, (2020) 106589.

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