



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Department of Electronics and Communication Engineering

WAVES

Volume-6, Issue-2

Newsletter Date: 15th August 2020

Period: February 2020 to July 2020

DEPARTMENT VISION

Provide quality education in Electronics, Communication and allied Engineering fields to serve as valuable resource for industry and Society

DEPARTMENT MISSION

- Impart sound theoretical concepts & practical skills
- Promote inter-disciplinary research
- Inculcate professional ethics

PROGRAMME EDUCATIONAL OBJECTIVES

- Work as Professionals in the area of electronics and communication and allied engineering fields
- Pursue higher studies and involve in interdisciplinary research work
- Exhibit ethics, Professional skill and leadership qualities in their profession



BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT



Message from Head of the Department

The Department of Electronics and Communication Engineering is showing consistent improvement in its academic, research and placement performance. It offers a range of innovatively designed programs like open courses and value added courses whose curricula are constantly updated to meet the changing requirement of the industry and to meet the needs of major stakeholders.

We believe that our students have been well accepted in their job profiles and have consistently exceeded expectations of the corporate world.

The department of Electronics and Communication Engineering brings out its bi-annual newsletter "WAVES" every semester. The Department is releasing its Volume-6, Issue-2, covering faculty and Students' achievements for the period of February 2020-July 2020.

I Hope this will give motivation and encouragement for both students and faculty to excel further in their respective fields.

I also congratulate the editor team members for their efforts, hard work and precise coverage of the information. I wish them all the best.

Happy reading!

Dr. Ambika R
Professor & Head
Department of ECE, BMSIT&M

Student Awards

1. SPANDANA S (1BY15EC087) secured University level 6th rank with CGPA of 9.27.
2. Y MADHAVI G SHENOY (1BY15EC098) secured University level 7th rank with CGPA of 9.26
3. Two students Adityan A (1BY19EC008) and Akin Anto (1BY19EC010) from the ECE Department participated in a National Level Technical Fest UDAAN 2020 held at Nitte Meenakshi Institute of Technology, Bangalore on 24th and 25th February 2020. They bagged the first prize and a cash prize of Rupees 600 in Aviation Quiz. They also bagged the Second Prize in Quadcopter Competition and a cash prize of Rupees 4000.



4. Project titled “Rescue system for Road accidents” is selected for KSCST, 43rd Series of Student Project Programme: 2019-20. The team will get the financial assistance of Rs 4000.
Guide: Prof. Mamatha K R
Student group: 1BY16EC006 ADITYA N RAO, 1BY16EC011 ANANTH S BHAT, 1BY16EC014 ANUBHAV
5. Project titled “Application of Deep neural networks for Real time detection of Arrhythmia using wearable ECG signal analysis” is selected under AVISHKAR project competition, VTU. The team will get the financial assistance of Rs. 5000.
Guide: Prof. Saneesch C T
Student group: 1BY16EC084 SUHAS TG, 1BY16EC085 SURABHI B SESHADRI, 1BY16EC087 V SASHANK REDDY, 1BY16EC104 SANKESH BOTHRA G.

Faculty Awards

1. Dr. Anil Kumar D, Assistant Professor, ECE Department awarded with Ph.D. degree during VTU 19th annual convocation held on 8th February 2020.
2. Dr. Surekha Gondkar, Associate Professor, ECE Department awarded with Ph.D. degree during VTU 19th annual convocation held on 8th February 2020.
3. Dr. Dankan Gowda V, Assistant Professor, ECE Department awarded with Ph.D. degree during VTU 19th annual convocation held on 8th February 2020. Title of the research is “Modeling and Performance Analysis of Antilock Braking System using Nonlinear controller” carried out under the guidance of Dr. Ramachandra A C Prof. & Head Department of ECE, NMIT.

4. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has been awarded with Certificate of Appreciation for performing in COVID-19 General Awareness Quiz conducted by Davangere University on 26th April 2020 and by Ramaiah Institute of Technology on 24th April 2020.



Memorable Moments and Best practices

1. INDUCTION PROGRAMME

The 7- day long induction program for the UG students entering the 2nd semester was conducted from 10th Feb 2020-18th Feb 2020.

Following are the activities under the induction program.

Creative Arts, Universal Human Values, Visits to Local Area, Literary, Club activities and Performance by the Students.





2. Dr. C S Mala, Professor & Dean (Student Welfare) organized a expert talk titled “Sustainable Development for Climate solutions” for students and Faculty members of the Institute on 19th February 2020. The resource person was Padmashree awardee Dr. Janak Palta, Director, Barli Development Institute for rural Women, Indore, Madya Pradesh.





3. Hubli Meghana student of 6th semester ECE Department performed a group dance in Bangalore International Film Festival (BIFFES) during inauguration ceremony. The 12th edition of this event was held between 26th Feb & 4th March in Bangalore. She took the guidance from Smt. Anuradha Vikrant.

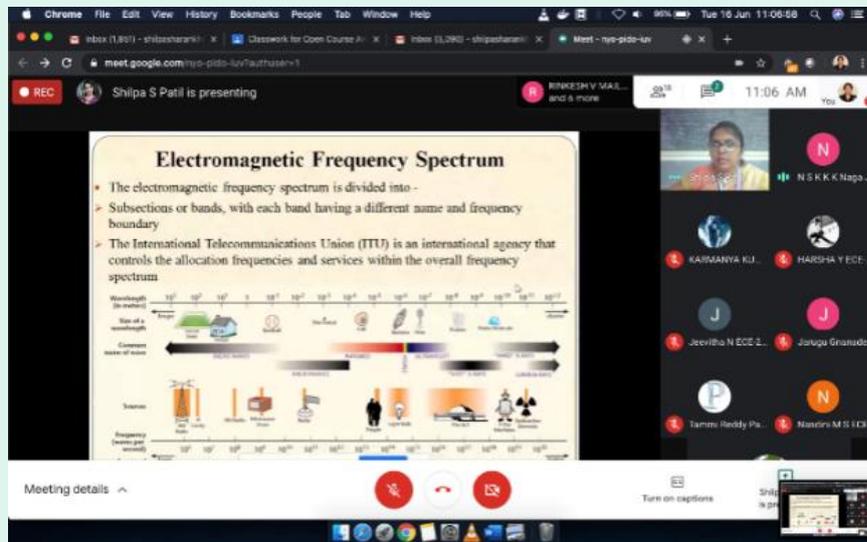


4. Department of ECE conducted Parents Teachers Meeting for II, IV, VI and VIII semesters on 20th, 22nd and 24th of April 2020 through online using Google meet platform. Agendas of the meeting are online classes, revaluation, conduction of laboratory, reopening of college, conduction of internal assessment. Parents from across the semesters attended the meeting and shared their opinions.
5. Department of ECE conducted town hall meeting for 8th semester students on 29th April 2020. Following points such as addressing students with shortage of attendance, outcome of Parent Teacher Meeting, online assessments and monitoring online classes by head of the department henceforth, have been discussed.
6. Department of ECE has undergone an online LIC visit on 25.06.2020 for the purpose of extension of affiliation wherein an expert committee has verified department progress, infrastructure, academic documents, student admission etc.

7. Department of ECE has organized 5-days online open courses/value added programs for 4th and 6th semester students from 16.06.2020 to 20.06.2020.

Following table gives the details about title of the courses, faculty coordinators and number of registration for each course.

Title of the course	Image Processing with MATLAB/PYTHON and its Applications	Pattern Recognition	Data Structure Using C and Python	5G technology and antenna design	Intelligent multimedia communication
Faculty Members as resource persons	Surekha R Gondkar	Dr.Vijayalakshmi G V Chandraprabha R Dr. Dankan Gowda V	RavindraAsundi Suryakanth B Shivarudraiah B Robin Singla	Rashmi N Dr. Ambika R	Shilpa Hiremath Mamatha K R Dr. Shanti Chandra
Total registration	71	52	38	71	26



Industrial Visits

1. Students of ECE Department visited to IISc, Bangalore during Open Day on 29th February 2020.



2. An industrial visit was arranged by the Department of ECE for 6th semester at Mahatma Gandhi Institute of Rural Energy & Development (MGIRED), Bangalore on 9th March 2020. Dr.Dankan Gowda V and Asha G Hagargund accompanied 58 students.



3. An industrial visit was arranged by the Department of ECE for 4th semester at ALS Electronics Ltd, Bangalore on 7th March 2020. Dr. Ambika R and Prof. Ravindra V Asundi accompanied 35 students.



Session Chair

1. Dr. Mala. C. S, Professor, ECE Department was key note speaker for Two days' workshop on "8051 Microcontroller & its applications" at M S Engineering College on 11th March 2020.
2. Dr. Mala. C. S, Professor, ECE Department delivered an expert talk on "Gender equality and critical role of women in society" at Happy Childhood Preschool, Sahakaranagar, Bangalore on 10th March 2020.

Reviewer for Journal / Conference

1. Dr.Vijayalakshmi G V, Associate Professor, ECE Department was a reviewer for Journal of Experimental & Theoretical Artificial Intelligence (SCI indexed) Taylor & Francis and reviewed the manuscript, entitled "Real-Time Bird's Eye Surround View System: An Embedded Perspective".
2. Dr.Shanti Chandra, Assistant Professor, Department of ECE was a reviewer for International Journal of Systems Science (Taylor & Francis).
3. Dr.Shanti Chandra, Assistant Professor, Department of ECE was a reviewer for International journal of biomedical and clinical Engineering (IJBCE), IGI Global Publication.
4. Robin Singla, Assistant Professor, Department of ECE was a reviewer for Carbon an Elsevier publication.

Faculty as Resource Person

1. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has extended her support as Resource person in Two week online refresher course / FDP on Recent trends on “Information , Computing, Communication and Teaching methodology competency” organized by the departments of CSE, ECE and IT of Sri Sairam Engineering College from 4th to 17th May 2020.
2. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Online Webinar on “Google LMS Tools for Online Teaching”, from 18th to 19th May 2020 at Department of Computer Science and Engineering, East West Institute of Technology Bangalore.
3. Dr.Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Online Webinar on “IoT Simulation using TinkerCAD”, on 9th May 2020 at Department of ISE, Sri Krishna Institute of Technology, Bangalore.
4. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Two Day’s Workshop on “IoT Simulation using TinkerCAD” held on 28th and 29th May 2020 at Department of Electronics and Communication Engineering, Yenepoya Institute of Technology, Moodbidri, Mangalore, Karnataka.
5. Dr.Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for Online Webinar on “LMS Tools for Online Teaching” held on 08.06.2020 at Department of Electronics and Communication Engineering Cambridge Institute of Technology (North Campus) Bangalore.
6. Dr.Dankan Gowda V, Assistant Professor, Department of ECE has extended his support as Resource person for One Day Workshop on “IoT Simulation using TinkerCAD” held on 09.06.2020 at Department of Electronics and Communication Engineering Cambridge Institute of Technology (North Campus) Bangalore.

Board of Examiners

1. Dr.JayadevaG S, Professor, Department of ECE attended a BOS meeting (online)for ECE department, MSRIT, Bangalore on 06.06.2020.
2. Dr.Jayadeva G S, Professor, Department of ECE attended a VTU -LIC online visit as a committee member on 11.06.2020 and 12.06.2020.

Faculty Internship

1. Jayadeva G S, Professor, ECE Department has undergone industry internship at ADVITYATANTRAGNAN RESEARCH AND DEVELOPMENT LABS PVT LTD from 26th Dec 2019 to 4thJan 2020.
2. Thyagaraj T, Assistant Professor, ECE Department has undergone industry internship at G H GLOBAL COMPUTERS PVT LTD from 26th Dec 2019 to 4th Jan 2020.
3. Laxmisagar H S, Assistant Professor, ECE Department has undergone industry internship at G H GLOBAL COMPUTERS PVT LTD from 26th Dec 2019 to 4th Jan 2020.
4. Vijayalakshmi G V, Associate Professor, ECE Department has undergone industry internship at EIDER ELEVATORS AND ESCALATORSfrom 8thJan 2020 to 18thJan 2020.
5. Vinutha B, Assistant Professor, ECE Department has undergone industry internship at NABARLEY from 16th Dec 2019 to 2nd Jan 2020.
6. Dr.Ambika R, Professor and Head, ECE Department has undergone online industry internship at I-Quad Technologies, from 25.07.2020 to 31.07.2020.
7. Prof. Shashikala J, Assistant Professor, ECE Department has undergone online industry internship at I- Quad Technologies, from 20.07.2020 to 31.07.2020.
8. Ravindra V Asundi, Assistant Professor, ECE Department has undergone online industry internship at Inventuriz Labs private Ltd, from 10.07.2020 to 25.07.2020.
9. Shivarudraiah B, Assistant Professor, ECE Department has undergone online industry internship at Inventuriz Labs private Ltd, from 10.07.2020 to 25.07.2020.
10. Suryakanth B, Assistant Professor, ECE Department has undergone online industry internship at Inventuriz Labs private Ltd, from 10.07.2020 to 25.07.2020.

FDP/Training organized

1. Department of ECE, BMSIT&M organized a 5 days FDP on “Engineering Statistics and Linear Algebra” from 31st Dec. 2019 to 4th Jan 2020. 22 participants from various colleges have undergone the FDP. The resource persons for the FDP are as follows.

Dr.Srinivas Murthy, Professor, UVCE Bangalore.

Dr. Narayana Iyer, Retd. Professor, NIT Durgapur.

Dr. Ravishankar, Professor, RVCE Bangalore.



2. PathPartner Technologies in Collaboration with BMSIT&M is conducting a 20 Hours industry attached course for selected students from ECE and ETE 6th semester, started on 14th February 2020. The course they are offering is on applications of DSP for the processing of voice, image, video and radar. The course is conducted every Saturday/Friday at BMSIT&M, ECE department by trainers from Pathpartner. The course is designed for 3-4 Hours/Week and for one month. Mr. Saneesh Cleatus T (ECE), and Tejaswini S(ETE), is coordinating this course. At the end of successful completion of this course, students will receive a course completion certificate from PathPartner Technologies and selected students will get an opportunity to do internship.



International Journal Publications

1. Rashmi N, "Self-improved grey wolf optimization for estimating carrier frequency offset in SCM-OFDM systems" International Journal of Pervasive Computing and Communications, ISSN: 1742-7371, volume: 1 Issue: 1, January 2020.
2. Shanti Chandra, "A Comparative Analysis of Performance of Several Wavelet Based ECG Data Compression Methodologies", IRBM, Elsevier, SSN: 1959-0318, May 2020. Indexing: Elsevier BIOBASE, Hinari, LiSSa - Littérature Scientifique en Santé, Embase, Pascal Francis, Scopus, Science Citation Index Expanded Doi: <https://doi.org/10.1016/j.irbm.2020.05.004>

3. Dankan Gowda V, Sridhar S B, Ramesh Naidu P, Naveen Pai G, Vinay Kumar B C, "Implementation of Automatic Air Traffic Control System: An Overview" , GIS Science Journal , Volume-7, Issue-6, June 2020 (Scopus).
4. Dr.Anilkumar D, Dr.Ambika R, "Drone Integrated Weather Sensors for Agriculture Purpose", International Journal of Electrical Engineering and Technology, ISSN: 0976- 6553, Volume-11, Issue-5, July 2020, pp: 83-90 (Scopus).
5. Raghunandan G H, Dr. A.Shobha Rani, "Design and Implementation of Efficient Routing Algorithm for Wireless Sensor Networks", International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol. 29, No. 3, July 2020.
6. Ravindra V Asundi, Suryakanth B, Shivarudraiah B "Alive Human Detection and Navigation of Unmanned ground Vehicle in Natural disasters and Air crash" International Journal of Electrical and Electronics Engineering, ISSN: 2278-9944, July 2020 (Scopus).

International Conference Publications

1. Rashmi N, Hamsavahini R, et.al, "Efforts to overcome the existing impairments in implementing Helicopter Satellite Communication System (HSCS)" presented in third International conference on emerging trends in science & technologies for engineering systems, ICETSE-2020, SJCIT,19.7.2020.
2. Rashmi N, Gaurav Sethia, et,al, "Automated computer vision based weed removal bot", 6th International conference on electronics computing and communication technologies, IIIT, Bangalore, July 2020.

Sports activities

1. Suryakanth B, Assistant Professor won first prize in BMSIT&M faculty Chess competition under below 40 years category.
2. Suryakanth B, Assistant Professor won third prize in BMSIT&M faculty Carom competition under below 40 years category.
3. Thyagaraj T, Assistant Professor won second prize in BMSIT&M faculty Badminton competition under below 40 years category.
4. Hamsavahini R, Assistant Professor won first prize in BMSIT&M faculty Badminton competition under below 40 years category.

OBE activity

1. Shivarudraiah B Assistant Professor, ECE Department, conducted an on line quiz activity in the course VLSI Design on 23/03/2020 for 6th semester C section students.
2. Shivarudraiah B, Assistant Professor, ECE Department, conducted an on line quiz activity in the course VLSI Design on 17/04/2020 for 6thsemester C section students.

3. Suryakanth B, Assistant Professor, ECE Department, conducted an online quiz activity in the course ARM & Embedded system on 27/05/2020 for 6th semester A and B section students.
4. Robin Singla, Assistant Professor, ECE Department, conducted an online quiz activity in the course Microcontroller lab on 08/05/2020 for 4thsemesterA section students.
5. Robin Singla, Assistant Professor, ECE Department, conducted online quizzes in the course Wireless LTE on 08/05/2020 and 23/05/2020 for 8thsemesterA section students.
6. Mamatha K R Assistant Professor, ECE Department, conducted a flip class activity in the course CCN on 26/02/2020 for 6th semester A and B sec. An animated video on OSI layers was shown and students were asked to answer 8 questions and also feedback was taken.



Department Project and Seminar presentations

Project presentation			
No: of Batches	Date	No: of Students	Description (Brief topics of Projects)
18	20/05/2020 21/05/2020 22/05/2020	104	Applications using Robots, biomedical signal processing using CNN, Machine learning applications, IoT and embedded systems application, Biometrics, precision agriculture, smart home

Seminar presentation			
No: of Batches	Date	No: of Students	Description (Brief topics of Seminars)
13	18-4-2020	49	IOT, AI, Satellite Communication
8	20-4-2020	30	IOT, AI, ML, Data science
7	21-4-2020	25	IOT, AI, ML, Semiconductor

Placement Activities

1. Department of ECE in association with placement cell, conducted a 3-days online placement training for 6th semester students on 23.06.2020, 24.06.2020 and 26.06.2020. Concepts such as fundamentals of mathematics, programming skills were taught and activities like Group Discussion, Mock Interview and Interview skills were conducted.

Book Chapter

1. Prof. Ravindra V Asundi and Prof. Suryakanth B authored a book chapter titled “Effect of Mobile app on e-commerce” and accepted by Utkal publishers for publication.

FDP /Workshops/STTP attended

1. Dr. Ambika R, Professor and Head, Dr. Shobharani, Associate Professor, Hamsavahini R, Rashmi N, Chandarprabha, Vinutha B, Asha G H, Deepa N Reddy, Assistant Professors attended one week Workshop on “5G communication networks and its future perspective” from 6th to 11th January 2020 organized by department of ECE and ETE, MSRIT, Bangalore.
2. Shivarudraiah B, Assistant Professor, Department of ECE attended online FDP on “Data Science & career Enrichment” from 20th April 2020 to 24th April 2020, organized by AICTE through ATAL scheme in collaboration with Ministry of MSME Meerut.
3. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended online workshop on " AI and Embedded systems in Space science", organized by AIROBOTICA Services Pvt. Ltd on 23rd and 24th May, 2020.
4. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended online FDP on MOODLE Learning Management System , from 4th May to 9th May 2020 at Tagore Institute of Engineering and Technology, Attur in association with Spoken Tutorial IIT Bombay Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
5. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has attended online FDP on MOODLE Learning Management System , from 4th May to 9th May 2020 at Tagore Institute of Engineering and Technology, Attur in association with Spoken Tutorial IIT Bombay Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching(PMMMNMTT), MHRD, Govt. of India.
6. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has attended online FDP on Managing Online Classes and Co-Creating MOOCS, from April 20th to 6th May 2020 at Ramajuna College Delhi University, in association with Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching(PMMMNMTT), MHRD, Govt. of India.

7. Chandraprabha, Assistant Professor, Department of ECE has attended FDP on MOODLE Learning Management System , from 4th May to 9th May 2020 at Tagore Institute of Engineering and Technology, Attur in association with Spoken Tutorial IIT Bombay Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India.
8. Chandraprabha, Assistant Professor, Department of ECE participated and completed FDP on “National Cyber Safety and Security Standards” from 28th May to 30th May 2020 organized by Department of MCA, SMVIT.
9. Chandraprabha, Assistant Professor, Department of ECE participated and completed FDP on Digital Technologies held on 15th & 16th May 2020 using Digital Platform organized by TCS.
10. Shilpa Hiremath, Assistant Professor, Department of ECE attended online FDP on “Digital Technologies” from 15th to 16th May 2020 organized by ISE Dept., BIET in association with TCS, Davangere.
11. Shilpa Hiremath, Assistant Professor, Department of ECE attended online FDP on “Ethical hacking & penetration testing” from 28th to 30th May 2020 organized by MCA dept., Sir MVIT in association with National Cyber Safety & Security Standards, Bangalore.
12. Dr. Shanti Chandra, Assistant Professor, Department of ECE attended online FDP on “Digital Technologies” from 15th to 16th May 2020 organized by ISE Dept., BIET in association with TCS, Davangere.
13. Dr. Shanti Chandra, Assistant Professor, Department of ECE attended online FDP on “Ethical hacking & penetration testing” from 28th to 30th May 2020 organized by MCA dept., Sir MVIT in association with National Cyber Safety & Security Standards, Bangalore.
14. Dr. Shanti Chandra, Assistant Professor, Department of ECE attended online FDP on “Artificial Intelligence” from 22nd to 26th May 2020.
15. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has participated in virtual FDP on " NEURAL NETWORKS AND DEEP LEARNING USING PYTHON", held from 01.06.2020 to 05.06.2020 organized by School of computing and Information Technology, REVA University, Bangalore.
16. Suryakanth B, Assistant Professor, Department of ECE has participated in virtual FDP on "NEURAL NETWORKS AND DEEP LEARNING USING PYTHON", held from 01.06.2020 to 05.06.2020 organized by School of computing and Information Technology, REVA University, Bangalore.
17. Dr. Dankan Gowda V, Assistant Professor, Department of ECE participated in the Faculty Development Program on “EMERGING TRENDS IN CYBER SECURITY” from 15.06.2020 to 20.06.2020, organized by Department of Computer Science & Engineering, CMR Institute of Technology, Bengaluru

18. Dr. Dankan Gowda V, Assistant Professor, Department of ECE participated in AICTE Sponsored One week online Faculty Development Program on “NBA and NAAC Accreditation Process” from 04.06.2020 to 08.06.2020, organized by Internal Quality Assurance Cell (IQAC) M S Ramaiah Institute of Technology, Bengaluru.
19. Mamatha K R, Assistant Professor, Department of ECE has participated in online FDP on "Universal Human Values" from 20.06.2020 to 24.06.2020 organized by AICTE.
20. Dr. G S Jayadeva, Professor, ECE department attended online FDP on “Recent Advances in Smart materials for sensors and Energy Applications”, from 06.07.2020 to 10.07.2020 at department of Physics, BMSIT&M.
21. Dr. G S Jayadeva, Professor, ECE department attended online FDP on “Machine Learning using Python”, from 09.07.2020 to 11.07.2020 at STTP-NITK in association with Pantech e-learning.
22. Shashikala J, Assistant Professor, ECE department attended online FDP on “Recent Advances in Smart materials for sensors and Energy Applications”, from 06.07.2020 to 10.07.2020 at department of Physics, BMSIT&M.
23. Dr. Surekha R. Gondkar, Associate Professor, ECE Department attended 5-days online FDP on “Mathematical Concepts by using free open source softwares(FOSS)” from 21.07.2020 to 25.07.2020 organized by Dept. of Mathematics, BMSIT&M.
24. Dr. Surekha R. Gondkar, Associate Professor, ECE Department attended One Week(6 Days) online FDP on “ GREEN ENERGY” from 29.06.2020 to 04.07.2020 conducted by Department of Civil Engineering, BMSCE, Bengaluru.
25. Dr. Vijayalakshmi G V, Associate Professor, ECE Department participated in Five days online workshop on “Women in Cyber Security and Privacy in 2020” from 06.07.2020 to 10.07.2020 organised by departments of Computer Science and Engineering and Information Technology in association with CYBERPSY, St. Martin's engineering College, Secunderabad.
26. Suryakanth B, Assistant Professor, ECE Department attended two Weeks online FDP on “ Applied data science” from 06.07.2020 to 17.07.2020 conducted by Department of ECE, BMSCE, Bengaluru in association with IETE.
27. Rashmi N, Assistant Professor, ECE Department attended two Weeks online FDP on “ Applied data science” from 06.07.2020 to 17.07.2020 conducted by Department of ECE, BMSCE, Bengaluru in association with IETE.
28. Shivarudraiah B, Assistant Professor, ECE Department attended 4-days online FDP on “ Python Programming” from 15.07.2020 to 18.07.2020 organized by Department of CSE, KL Deemed to be University, Hyderabad in association with IIT Bombay spoken tutorials, funded by National Mission on Education, MHRD.

29. Hamsavahini R, Assistant Professor, ECE Department attended 5-days online FDP on “Mathematical Concepts by using free open source softwares (FOSS)” from 21.07.2020 to 25.07.2020 organized by Dept. of Mathematics, BMSIT&M.
30. Hamsavahini R, Assistant Professor, ECE Department attended 5-days online FDP on “Nano Science and Technology” from 29.6.2020 to 7.07.2020 organized by the Sathyabhama Institute of Science and Technology, Chennai.
31. Dr. A. Shobha Rani, Associate Professor, ECE Department, attended online FDP on “Contemporary Research Trends in Electronics & Communications and Computer Science” from 06.07.2020 to 10.07.2020 at VTU, Centre for PG Studies, Kalaburagi.
32. Dr. A. Shobha Rani, Associate Professor, ECE Department, attended online FDP on “Mathematical Concepts by Using Free Open Source Softwares (Foss)” from 21.07.2020 to 25.07.2020 at BMSIT&M, Bangalore.
33. Dr. Deepa N Reddy, Assistant Professor, ECE Department, attended online FDP on “Contemporary Research Trends in Electronics & Communications and Computer Science” from 06.07.2020 to 10.07.2020 at VTU, Centre for PG Studies, Kalaburagi.
34. Dr. Deepa N Reddy, Assistant Professor, ECE Department, attended online FDP on “Mathematical Concepts by Using Free Open Source Softwares (Foss)” from 21.07.2020 to 25.07.2020 at BMSIT&M, Bangalore.
35. Vinutha B, Assistant Professor, ECE Department, attended online FDP on “Contemporary Research Trends in Electronics & Communications and Computer Science” from 06.07.2020 to 10.07.2020 at VTU, Centre for PG Studies, Kalaburagi.
36. Vinutha B, Assistant Professor, ECE Department, attended online FDP on “Mathematical Concepts by Using Free Open Source Softwares (Foss)” from 21.07.2020 to 25.07.2020 at BMSIT&M, Bangalore.
37. Ravindra V Asundi, Assistant Professor, ECE Department, attended two weeks online FDP on “Python programming” from 21.07.2020 to 25.07.2020 organized by JSSAT, Noida in association with IIT Bombay.
38. Robin Singla, Assistant Professor, ECE Department attended FDP on “Recent Advances in Smart Materials for Sensors and Energy Applications” from 06.07.2020 to 10.07.2020 organized by Dept. of Physics, BMSIT&M.
39. Mamatha K R, Assistant Professor, ECE Department attended online FDP on “Recent trends in Engineering: Industry perspective” from 26.07.2020 to 30.07.2020 organized by Dr. AIT, Bengaluru.

Webinars Attended by Faculty

1. Dr.Vijayalakshmi G V, Associate Professor, Department of ECE has attended webinar entitled “Remote Learning for Academic Excellence”, on 15th May 2020 organized by Department of Computer Science and Engineering, ACSCE, Bangalore.
2. Dr.Vijayalakshmi G V, Associate Professor, Department of ECE has attended webinar entitled “Trending Technologies in Industries and Career Guidance” on 6th May 2020 organized by Department of Information Science and Engineering of Sri Krishna Institute of Technology, Bengaluru.
3. Dr.Vijayalakshmi G V, Associate Professor, Department of ECE has attended International webinar entitled “Intellectual Property Rights (IPR)” on 15th May 2020 organized by the Albertian Centre for Human Resource Development and Research, St..Albert’s College.
4. Dr.Vijayalakshmi G V, Associate Professor, Department of ECE attended webinar entitled “5G usecases and development of 3GPP 5G radio system and space antenna system”, organized by IEEE BIT in association with IEEE Bangalore section on 22nd and 23rd May 2020.
5. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Attended a webinar on “5G use cases and development of 3GPP 5G new radio system and space antenna system” organized by IEEE BIT in association with IEEE Bangalore Section on 22nd and 23rd May 2020
6. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Attended online Webinar on “SAP Analysis Cloud (SAC)” organised by the Department of Computer Engineering, Sandip Institute of Engineering and Management on 12th May 2020.
7. Dr. Dankan Gowda V, Assistant Professor, Department of ECE participated in a webinar on “Managing Competencies in Building Career” on 22nd May 2020, organized by Department of ISE, SKIT Bangalore.
8. Dr.Dankan Gowda V, Assistant Professor, Department of ECE Participated in the International Webinar on “Intellectual Property Rights (IPR)” organized by Albert Centre for Human Resource Development and Research, St. Albert College on 15th May 2020. Ernakulam, Kochi, Kerala.
9. Dr. Dankan Gowda V, Assistant Professor, Department of ECE Participated in the Webinar on “Medical Drive” organized by Department of Electrical and Electronics Engineering on 16th May 2020. RRCE Bangalore.
10. Chandraprabha, Assistant Professor, Department of ECE attended webinar entitled “5G use cases and development of 3GPP 5G radio system and space antenna system”, organized by IEEE BIT in association with IEEE Bangalore section on 22nd and 23rd May 2020.

11. Shilpa Hiremath, Assistant Professor, Department of ECE attended webinar entitled “5G use cases and development of 3GPP 5G radio system and space antenna system”, organized by IEEE BIT in association with IEEE Bangalore section on 22nd and 23rd May 2020.
12. Shilpa Hiremath, Assistant Professor, Department of ECE attended webinar entitled “Step towards meaningful learning”, organized by Sarva siddhantha academy for technical education, Bangalore on 6th May 2020.
13. Dr. Ambika R, Professor & Head, Department of ECE participated in a webinar on “5G Technology and its Applications” on 08.06.2020, organized by RVCE Bengaluru.
14. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended a webinar on “BUSINESS ANALYTICS USING TABLEAU AND ITS OPPORTUNITIES”, on 21.06.2020 organized by the Department of Computer Science and Application, Faculty of Science & Humanities, SRM Institute of Science & Technology, Vadapalani, Chennai-600026.
15. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has attended a webinar on “How 5G will reshape business and open up new opportunities”, on 10.06.2020 organized by the Department of Electronics and Telecommunication Eng., R V college of Engineering, Bengaluru.
16. Shivarudraiah B, Assistant Professor, Department of ECE participated in a panel discussion webinar on “Learning, E-Learning & Re-Learning in the Post COVID World” on 26.06.2020 organized by the Centre for Research in Social Sciences and Education (CERSSE), JAIN University, Bengaluru.
17. Shilpa Hiremath, Assistant Professor, Department of ECE has attended a webinar on “Democratizing Analytics: why analytics is a key career opportunity of today's dynamic world” on 09.06.2020 organized by department of MBA, RNSIT, Bengaluru.
18. Shilpa Hiremath, Assistant Professor, Department of ECE has attended a webinar on “Impact of current economic uncertainties on the job market & the skill required to overcome & move forward” on 10.06.2020 organized by department of MBA, RNSIT, Bengaluru.
19. Dr. Ambika R, Professor and Head, ECE Department, has received certificate of achievement after successfully completing the assessment and participating in the webinar on the topic “Software Defined Radio Platform for Engineering Education & Research Using National Instruments”, on 30.07.2020, organized by Department of Electronics and Communication, VTU CGPS, Mysore.
20. Shivarudraiah B, Assistant Professor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Robotics-Connecting Engineering Minds” on 22.07.2020 organized by McGraw Hill Webcasts.
21. Shivarudraiah B, Assistant Professor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Evolution of Java in 25 Years” on 07.07.2020 organized by McGraw Hill Webcasts.

22. Shivarudraiah B, Assistant Professor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Employability Post COVID Era: Expectation of Industry Vs Education System's Preparedness “on 10.07.2020 organized by National Council on Education, ASSOCHAM.
23. Suryakanth B, Assistant Professor, ECE Department has received certificate of participation after successfully participating in the International webinar on the topic “Effect of music on the human brain” on 09.07.2020 organized by department of ECE, GNDEC, Bidar.
24. Hamsavahini R, Assistant Professor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “ Review Paper Writing For High Impact Factor Journals” on 25.07.2020 organized by the Department of Mechanical Engineering, Navkis College of Engineering, Hassan.

Webinars Attended by technical staff

1. Supriya K, Assistant Instructor, Department of ECE has attended a training on “COREL DRAW SUITE” from 26.06.2020 to 29.06.2020 at BMSIT&M, Bengaluru.
2. Supriya K, Assistant Instructor, Department of ECE has attended a Webinar on “VLSI Design on Cadence virtuoso using 180 nm CMOS Technology” on 26.06.2020 at PDIT, HOSPET.
3. Supriya K, Assistant Instructor, Department of ECE has attended a Webinar on “DATA ANALYTICS: EN-ROUTE TO AI & ML” on 27.06.2020 organized by City Engineering College, Bangalore.
4. Supriya K, Assistant Instructor, Department of ECE has attended a Webinar on “Programmable Logic Controller and Its Application” on 30.06.2020.
5. Hitendra K, Assistant Instructor, Department of ECE has attended a training on “Google Suite and MS Excel” from 26.06.2020 to 29.06.2020 at BMSIT&M, Bengaluru.
6. Supriya K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Mobile Edge Computing (MEC) for 5G latency Applications” on 06.07.2020 organized by Global Academy of Technology, Bengaluru.
7. Supriya K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Use of Active Presenter for Digital Learning Skills” on 11.07.2020 organized by A.G.M.R. College of Engineering & Technology, Varur, Hubli.
8. Supriya K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Personality Development” on 11.07.2020 organized by Vivekananda Institute of Technology in association with CICC-VKIT.
9. Supriya K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Recent Trends in DC to DC Converters” on 10.07.2020 organized by Xavier Engineering College, Tirunelveli.

10. Supriya K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Effective Management of Institutional E Waste” on 30.07.2020 organized by GSSS Institute of Engineering & Technology for Women, Mysuru.
11. Shivamallu, Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Effective Management of Institutional E Waste” on 30.07.2020 organized by GSSS Institute of Engineering & Technology for Women, Mysuru.
12. Shivamallu, Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Secrets to combat COVID – 19” on 29.07.2020 organized by Department of Physics, BMSIT&M, Bengaluru.
13. Shivamallu, Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “ICT Tools for Course Preparation and Evaluation using Gnomio and Kahoot” on 27.07.2020 and 28.07.2020 organized by Department of Electronics and Communication Engineering of Bahubali College of Engineering, Shravanabelagola.
14. Hitendra K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Personality Development” on 11.07.2020 organized by Vivekananda Institute of Technology in association with CICC-VKIT.
15. Hitendra K, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Recent Trends in DC to DC Converters” on 10.07.2020 organized by Xavier Engineering College, Tirunelveli.
16. Byrareddy A B, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Personality Development” on 11.07.2020 organized by Vivekananda Institute of Technology in association with CICC-VKIT.
17. Byrareddy A B, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Recent Trends in DC to DC Converters” on 10.07.2020 organized by Xavier Engineering College, Tirunelveli.
18. Byrareddy A B, Assistant Instructor, ECE Department has received certificate of participation after successfully participating in the webinar on the topic “Secrets to combat COVID – 19” on 29.07.2020 organized by Department of Physics, BMSIT&M, Bengaluru.

Online Courses completed by faculty

1. Dr. Dankan Gowda V, Assistant Professor, Department of ECE completed Skillz cafe online course on the topic “Java tutorial for complete beginners “on 23-4-2020.

2. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed 9 Weeks COURSERA online course on the topic "Introduction to Programming with MATLAB" on 25th May 2020.
3. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed 29 hours UDEMY online course on the topic "The Complete Android App Development Master class: Build Apps" on 15th May 2020.
4. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed 293 hours UDEMY online course on the topic "Electrical Engineering" on 11th May 2020.
5. Ravindra V Asundi, Assistant Professor, Department of ECE has completed 1 month certification program organized by IIT Bombay on the topic "Design of solar home systems" in May 2020.
6. Chandraprabha, Assistant Professor, Department of ECE has completed 20 hours UDEMY online course on the topic "Image & video processing: from mars to Hollywood with a stop at the hospital" on 29th May 2020.
7. Shilpa Hiremath, Assistant Professor, Department of ECE has completed 20 hours UDEMY online course on the topic "Image & video processing: from mars to Hollywood with a stop at the hospital" on 29th May 2020.
8. Dr. Vijayalakshmi G V, Associate Professor, Department of ECE has completed UDEMY online course on the topic "Neural signal processing and analysis" on 03.06.2020.
9. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has completed COGNITIVE CLASS online course on the topic on "Python 101 for Data Science" on 08.06.2020.
10. Supriya K, Assistant Instructor, Department of ECE has completed UDEMY online course on the topic "The Complete Networking Fundamentals Course Your CCNA start" in June 2020.
11. Dr. G S Jayadeva, Professor, ECE department completed an online course on "VLSI Physical Design" offered through Udemy on 05.07.2020.
12. Shivarudraiah B, Assistant Professor, ECE department completed an online course on "Diploma in Machine Learning with R studio" offered through Alison on 09.07.2020.
13. Dr. Surekha R. Gondkar, Associate Professor, ECE Department completed 4 week online course on "Introduction to the Internet of Things and Embedded Systems" offered through Coursera on 12.07.2020.
14. Dr. Surekha R. Gondkar, Associate Professor, ECE Department completed 5 week online course on "Research Data Management" offered through Coursera on 03.07.2020.
15. Shashikala J, Assistant Professor, ECE Department completed course on " Matlab Master class: Go from beginner to Expert in Matlab " offered through Udemy on 16.07.2020.
16. Hamsavahini R, Assistant Professor, ECE Department completed online course on "Machine learning and Data Science hands on using Python and R", offered through Udemy on 11.07.2020.

17. Robin Singla, Assistant Professor, ECE Department completed a online course on “Synapses Neurons and Brain” offered through Coursera on 10.07.2020.
18. Suryakanth B, Assistant Professor, ECE Department completed an online course on “Synapses Neurons and Brain” offered through Coursera on 31.07.2020.
19. Dr. A. Shobha Rani, Associate Professor, ECE Department, completed an online course on “Introduction to the Internet of Things and Embedded Systems” offered through Coursera on 18.07.2020.
20. Dr. Deepa N Reddy, Assistant Professor, ECE Department, completed an online course on “Introduction to the Internet of Things and Embedded Systems” offered through Coursera on 18.07.2020.
21. Vinutha B, Assistant Professor, ECE Department, completed an online course on “Introduction to the Internet of Things and Embedded Systems” offered through Coursera on 18.07.2020.
22. Ravindra V Asundi, Assistant Professor, ECE Department, completed an online course on “Outcome based Education and Academic quality assurance” offered through Udemy on 20.07.2020.
23. Ravindra V Asundi, Assistant Professor, ECE Department, completed an online course on “Programming for everybody (Getting started with python)” offered through Coursera on 18.07.2020.
24. Rashmi N, Assistant Professor, ECE Department completed course on “Algebra trigonometry-polynomial and rational functions” offered through Udemy on 07.07.2020.
25. Rashmi N , Assistant Professor, ECE Department completed course on “ NLP Practitioner certificate course(Beginner to Advanced)” offered through Udemy on 22.07.2020.

Online Courses completed by students

SI no:	Semester	Course Title	Certified by	Certified date
1.	2	<ul style="list-style-type: none"> ➤ AI For Everyone ➤ Improve Your English Communication Skills 	Coursera	3 rd June 2020
2.	4	<ul style="list-style-type: none"> ➤ Python for Everybody, ➤ Data Science Math Skills ➤ Cybersecurity: Developing a Program for Your Business ➤ Neural Networks and Deep Learning ➤ Web Design for Everybody: Basics of Web Development ➤ Machine Learning with Tensor Flow on Google Cloud Platform ➤ Architecting Hybrid Cloud Infrastructure with Anthos 	Coursera	3 rd June 2020

3.	6	<ul style="list-style-type: none"> ➤ Python for Everybody, ➤ Managing the Company of the Future, The Bits and Bytes of Corporate ➤ Structuring Machine Learning Projects ➤ Understanding and Visualizing Data with Python ➤ Structuring Machine Learning Projects ➤ Google IT Automation with Python, Google IT Support ➤ Web Design for Everybody: Basics of Web Development ➤ Machine Learning ,Programming for Everybody ➤ Deep Learning, ➤ Data Structures and Algorithms, Structuring ➤ Introduction to Programming in C ➤ Android App Development, ➤ Programming Foundations with Java programming ➤ Ecology: Ecosystem Dynamics and Conservation ➤ Introduction to the Internet of Things and Embedded Systems ➤ Deep Learning, ➤ Neural Networks and Deep Learning ➤ Career Success, ➤ Global Environmental Management ➤ Learn Spanish: Basic Spanish Vocabulary ➤ FPGA computing systems: Background knowledge and introduction ➤ Converter Circuits ➤ Introduction to Power Electronics ➤ Cloud Engineering with Google Cloud, Cloud Engineering with Google Cloud ➤ Graphic Design 	Coursera	3 rd June 2020
4	8	<ul style="list-style-type: none"> ➤ SAS Visual Business Analytics, Getting Started with SAS ➤ An Introduction to Programming the Internet of Things (IOT) ➤ Six Sigma Yellow Belt, Computational Neuroscience 	Coursera	3 rd June 2020

Online Course completed by technical staff

1. Supriya K, Assistant Instructor, ECE Department has completed online course on “The Complete Networking Fundamentals Course CCNA start” offered through Udemy on 03.07.2020.
2. Hitendra K, Assistant Instructor, ECE Department has completed online course on “Python Bootcamp” offered through Udemy on 03.07.2020.

Out Reach Activity

1. Ravindra V Asundi, Assistant Professor, Department of ECE has extended his support for COVID-19 AWARENESS CAMPAIGN under the banner Unnat Bharath Abhiyan in association with National Service Scheme from 24.06.2020 to 29.06.2020 at nearby villages namely mylappanahalli, madappanahalli, avalahalli and singanayakanahalli.



Online Quiz Attended (faculty):

1. Dr.Vijayalakshmi G V, Associate Professor, Dept. of Electronics and Communication Engineering has participated in Online Quiz on “Cryptography and Network Security” organized by KMIT CSI student chapter, Keshav Memorial Institute of Technology, Hyderabad on 15.07.2020.

Online Quiz Attended (technical staff):

1. Supriya K, Assistant Instructor, ECE Department has participated in Online Quiz on “Power BUG” organized by GSSSIETW, Mysore on 23.07.2020.
2. Supriya K, Assistant Instructor, ECE Department has participated in Online Quiz on “Library & Information Science” organized by GSSSIETW, Mysore on 23.07.2020.
3. Supriya K, Assistant Instructor, ECE Department has participated in Online Quiz on “Network Theory” organized by Indur Institute of Engineering and Technology, Siddipet on 01.07.2020.
4. Hitendra K, Assistant Instructor, ECE Department has participated in Online Quiz on “Power BUG” organized by GSSSIETW, Mysore on 23.07.2020.
5. Hitendra K, Assistant Instructor, ECE Department has participated in Online Quiz on “Library & Information Science” organized by GSSSIETW, Mysore on 23.07.2020.
6. Hitendra K, Assistant Instructor, ECE Department has participated in Online Quiz on “Network Theory” organized by Indur Institute of Engineering and Technology, Siddipet on 01.07.2020.

7. Byrareddy A B, Assistant Instructor, ECE Department has participated in Online Quiz on “Power BUG” organized by GSSSIETW, Mysore on 23.07.2020.
8. Byrareddy A B, Assistant Instructor, ECE Department has participated in Online Quiz on “Library & Information Science” organized by GSSSIETW, Mysore on 23.07.2020.
9. Byrareddy A B, Assistant Instructor, ECE Department has participated in Online Quiz on “Network Theory” organized by Indur Institute of Engineering and Technology, Siddipet on 01.07.2020.

EDITED & COMPILED BY

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