



B.M.S. COLLEGE OF ENGG. B'LORE-19

[Autonomous Institute, Affiliated to VTU]

DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING



ACTIVITY REPORT

JULY 2021 – JUNE 2022



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July 03, 2021: Mrs. P Shachi, Dr. K R Sudhindra, Dr. Suma M N, Faculties, Department Of Electronics and Communication Engineering published a research paper titled “**Performance Analysis of Cooperative Spectrum Sensing in Composite Lognormal-Hoyt Fading Channel**” in Springer Journal (Q2).

July 4, 2021: Dr Geetishree Mishra, Faculty, Department Of Electronics and Communication Engineering published a research paper titled “**Performance Optimization of Task Intensive Real-Time Applications on Multicore ECUs-A Hybrid Scheduler**” in the Journal of Engineering, The Institution of Engineering and Technology

July 05, 2021: Mrs. Sanjana T, Dr. Suma M N, Faculties, Department Of Electronics and Communication Engineering published a research paper titled “**Investigation of Power Allocation Schemes in Noma**” in the International Journal of Electronics (Q4).

July 09, 2021: Dr. K P Lakshmi, Faculty, Department Of Electronics and Communication Engineering was invited as Session Chair for the title “**Track-4: Smart Sensors, Systems and their Applications**” from IEEE Bangalore Section Sensors Council Chapter Session Chair held on 9th -11th July.



July 10, 2021: Department Of Electronics and Communication Engineering in association with The Gate Academy Pvt Ltd., conducted a webinar on “**Career Opportunity for Engineer**” for the students of 6th semester ECE. Mr. Deepanshu

Bansal, Director Academic was the resource person, Mr. Sanjeev Kumar Sr.Manager, The Gate Academy Pvt Ltd., was the organizer and Mrs. Hemavathi, Faculty, Dept. of ECE was the event coordinator.

July 11, 2021: Dr. Sheshachalam, Faculty, Department Of Electronics and Communication Engineering was invited as guest speaker during one week AICTE-ISTE Sponsored Refresher Program on “**Effective Teaching Skills for Outcome Based Engineering Education**” from 14th-20th July, through online organized by Dept. of ECE, S R Engineering College, Warangal.



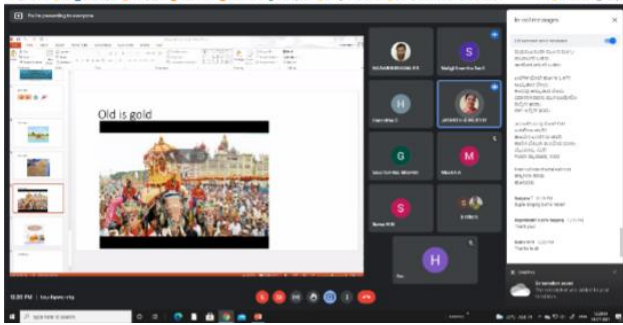
July 11, 2021: Dr. Veena M B, Faculty, Department of Electronics and Communication Engineering published a research paper titled “**Low Power Area Optimum Configurable 160 to 2560 Subcarrier OFDM Modulator-Demodulator Architecture Based on Systolic Array and Distributive Arithmetic Look-Up Table**” in the Informcije MIDEM-Journal of Microelectronics, Electronics Components and Materials.



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July 14, 2021: Mrs. Harshitha B, Faculty, Department Of Electronics and Communication Engineering organized and conducted cultural activity “**Bandwidth Unlimited**” through online for the faculties of ECE Dept.



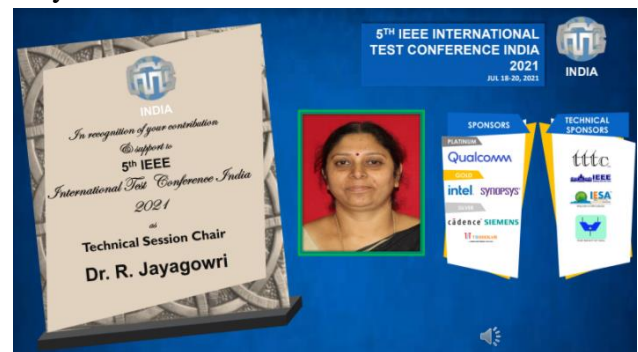
July 15, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department Of Electronics and Communication Engineering along with other faculties from various department of BMSCE, who are a part of **PBL (Problem-Based Learning)** team of BMSCE had a meeting with professors of **UTM (Universiti Teknologi)**, Malaysia to explore possible collaboration in teaching-learning processes, active learning, joint research supervision, carrying out joint research projects, joint conferences and workshops.



July 17, 2021: Department Of Electronics and Communication Engineering in association with The Gate Academy Pvt Ltd., conducted a webinar on “**Gate Awareness Program-Benefits & Career opportunities with GATE**” for the students of 4th semester ECE. Mr Akash Pushkar, Data Scientist, Accenture was the resource person, Mr. Sanjeev Kumar Sr.Manager, The Gate Academy Pvt Ltd., was the organizer and Mrs.

Hemavathi, Faculty, Dept. of ECE was the event coordinator.

July 18, 2021: Dr. R Jayagowri, Faculty, Department of Electronics and Communication Engineering was invited as Session Chair for the technical session titled “**Track-3: Best Practices in Accelerated Pre-Silicon Verification, Analog & Stress Testing**” in the **5th IEEE International Test Conference India 2021** held on 18th-20th July.



August 02, 2021: Dr. Nagabhushan, Faculty, Department of Electronics and Communication was invited as a resource person in AICTE Training and Learning (ATAL) Academy online elementary **Faculty Development Program (FDP)** on “**Smart City Solution for Sustainable Future**” from 2nd to 6th of August organized by BMS College of Engineering.

August 07, 2021: ELSOC, Department of Electronics and Communication Engineering hosted “**Connecting with Alumni**” series-1 webinar on “**Systems with ML and ML with Systems**” for the students E&C department. Mr. Vikram Sharma Mailthody (EC 2013 batch) currently a PhD candidate at Department of Electrical and Computer Engineering, **ILLINOIS, URBANA** Champaign was the invited resource person.



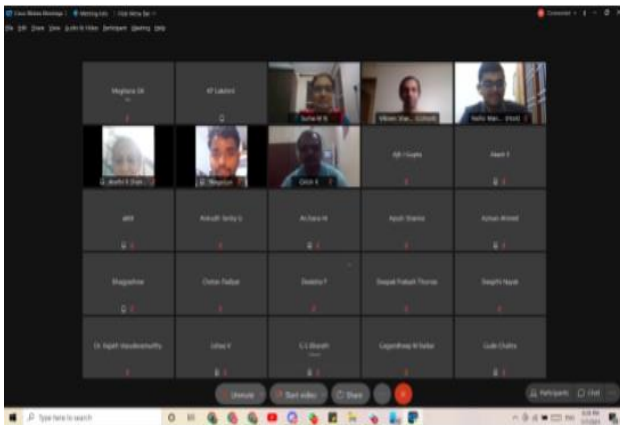
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August 14, 2021: Dr. Sudhindra K R, Faculty, Department of Electronics and Communication, was invited to deliver a talk on **“Radio Standards for 5G Technology”** at AICTE Training and Learning (ATAL) Academy online elementary **Faculty Development Program (FDP)** on **“5G Technology”** organized by Department of ISE, BMS College of Engineering, Bangalore.



August 14, 2021: ELSOC, Department of Electronics and Communication Engineering hosted **“Connecting with Alumni”** series-2 webinar on **“Graduate Study and Research in USA in System Security”** for the students E&C department. Dr. Aravind Prakash (EC 2004 batch) Assistant Professor, Department of Computer Science, **BINGHAMTON UNIVERSITY, NEWYORK, USA** was the invited resource person.



September 05, 2021: Under the guidance of Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication and Prof. Samita Maitra, Dean Academics, Ms. Ritika Siyal, student 7th Semester, Dept. of ECE and Mr. Sumedh Karanth, student 5th Semester, Dept. of ME presented their activity report under **IUCEE** Student chapter at **BMSCE (ISCB) Student Summit 2021**. Their presentation was appreciated for the endeavours and diligent effort in carrying out versatile activities.



September 01, 2021: Dr. K R Sudhindra, Faculty, Department of Electronics and Communication has been nominated as a **“Member”** to the **“Board of Studies”** Dept. of Electronics and Communication of PES College of Engineering, Mandya (Autonomous) for the period of 3 years.

September 29, 2021: Smt. Meenakshi L Rathod, Research Scholar, under the guidance of Dr. Meera A, Faculty, Department of Electronics and Communication presented online Final Defense viva (Ph.D.) on **“Power Optimization of Antenna Radiation Patterns using Natural Computation”**



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September 30, 2021: Dr. Geetishree Mishra, Faculty, Department of Electronics and Communication delivered a talk on “**Natural Language Processing Techniques and Applications**” at a National summit organized by **Checked IT** in association with **Microsoft Innovations, Seds Antarikhsh** and **IEEE Bangalore** section.



October 01, 2021: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering published a research paper titled “**Evaluation of MANET Routing Protocols for Higher Frequency Bands**” in the Journal of Huazhong University of Science and Technology.

October 04, 2021: Dr. Rajanikanth K N, Faculty, Department of Electronics and Communication Engineering delivered a talk (online mode) on “**Power of Reinforcement Learning**” in eight day National summit on **Artificial Intelligence: Disrupting the Disruptors** conducted by **CHECKED IT** in collaboration with **Educhecked, Vitrendz, Microsoft Innovations club,** and the **IEEE BMSCE Student branch.**



October 09, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication presented the institutional report on the status of “**Problem Based Learning**” implemented by BMSCE at the **IUCEE First Mini-Symposium on Problem and Project Based Learning** held online on 9th and 10th October.



October 12, 2021: Department of Electronics and Communication in association with **Careerlabs** conducted a workshop on “**Profile Building for Higher Education and Placements**” and the talk was delivered by Mr. Mark Brandon, Head of speakers Careerlabs. Totally 200 students from all the sections of 3rd year attended the seminar.

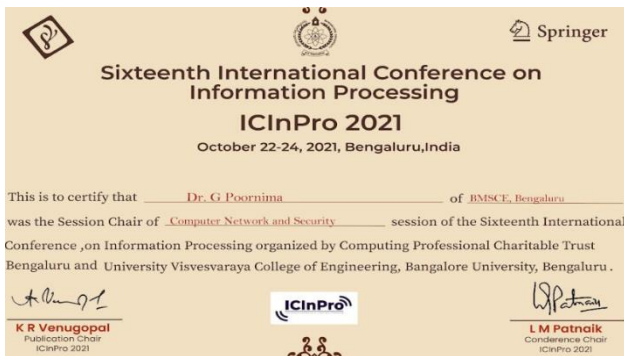


October 22, 2021: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering was the session chair of “**Computer Network and Security**” session of the 16th International Conference on **Information Processing organized by Computing Professional Charitable Trust** and **University Visvesvaraya College of Engineering Bangalore University, Bengaluru.**



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October 27, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication was invited to serve as the **Publications Chair** for the 10th edition of the **IEEE International Conference on Cloud Computing in Emerging Markets (CCEM) 2021** through virtual mode hosted from **New Jersey, USA**.

October 29, 2021: Dr. R Jayagowri, Faculty, Department of Electronics and Communication Engineering were the invited resource person to deliver a talk on “**Test Power Reduction for Recent IC Technology**” for one-week Faculty Development Program on **Emerging Trends in Electronics, Communication and Networking Technologies** conducted by Sree Vidyanikethan Engineering College (Autonomous), Tirupati, Andhrapradesh.

October 30, 2021: Mr. Prashanth G S (ME), Mr. Vishvesha V (ECE), Ms. Anushka Shivkumar (AI & ML), Ms. Nimisha M R (ECE), Mr. V Pavan (EIE) and Mr. Raghavendra H S (ME), students of third semester presented their project titled “**ROPET: A hand-gesture controlled bot**” under the guidance of Dr. Rajath Vasudevamurthy, Faculty, Dept. of ECE and received the **IEEE CCEM Student Project Showcase Proposal Sponsors** award.



November 13, 2021: Ms. Shachi P, Faculty, Department of Electronics and Communication Engineering served as a Technical Program Co-Chair for “**3rd IEEE PhD Colloquium on Ethically Driven Innovation & Technology for Society (EDITS)**”, 2021.

November 18, 2021: Dr. Ararithi R Shanker, Faculty, Department of Electronics and Communication Engineering was invited as one of the “**Panellist**” for industry academia discussion on **5G technology, Industry 4.0 and cloud usage AI/ML organized by NOKIA University Conclave 2021** in association with BMSCE and NOKIA networks, Bangalore.



November 21, 2021: Mrs. Bhavana H T, Faculty, Department of Electronics and Communication Engineering was the invited resource person to conduct a workshop on “**Design of MEMS Sensors and Actuation using COMSOL Multiphysics**” in the “**World of Sensors**” a 2 day online symposium on sensors hosted by **BMSCE IEEE PES and Sensors Council** in collaboration **IEEE MSRIT Student Branch**.



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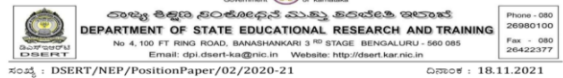


November 20, 2021: Dr. K P Lakshmi, Faculty Department of Electronics and Communication Engineering was invited as an expert speaker for a 2 day workshop titled “World of Sensors” in IEEE Bangalore Section Sensor Council Chapter This workshop focused on topics addressing the cutting-edge trends within the theme of “Women in Sensors” hosted by BMSCE IEEE PES and Sensors Council in collaboration IEEE MSRIT Student Branch.

November 21, 2021: Mr. Supreetha M A, Ms. Sree Vaishnavi R and Ms. Soujanya H, students of 7th Semester, Dept. of ECE, under the guidance of Dr. Vikash Kumar, Faculty, Department of Electronics and Communication Engineering presented a research paper titled " A Novel Design of Tunable and Balanced VDIBA" in the IEEE International Conference on Disruptive Technologies for Multi-Disciplinary Research and Applications (CENTCON-2021) hosted by Dayananda Sagar Group of Institutions, Bangalore.

November 24, 2021: DR. Vasundhara Patel, Faculty, Ms. Tulasi Naga Jyothi Kolanti Ph.D. Scholar, Department of Electronics and Communication Engineering published a research paper titled “Design of Ternary Subtractor using Multiplexers” in the International Journal, Circuit World: Journal of the Institute of Circuit Technology, Technical Journal.

November 24, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering was invited by the Department of State Educational Research and Training (DSERT) to contribute to a position paper on “Knowledge of India”



ಸಂಖ್ಯೆ : DSERT/NEP/PositionPaper/02/2020-21
ಇವರಿಗೆ
Dr V Rajath,
Professor,
BMS Engineering College,
Bengaluru
ಮಾನ್ಯರ,
ಬಹುಮುಖ : NEP-2020 ರ ವಿಚಾರಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಮೊದಲನೇ ಹಂತದ ಸಿದ್ಧಪಡಿಸುವ ಕಾರ್ಯದಲ್ಲಿ ತಂದೆದ ಸದಸ್ಯರಾಗಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸುವ ಬಗ್ಗೆ.
ಉದ್ದೇಶ: 1) ಎಸ್.ಎ.ಎಲ್.ಟಿ. ಕಛೇರಿ ವರೆಗೆ ಸಂಖ್ಯೆ ಎಸ್4-7/ಎಸ್.ಎಲ್.ಟಿ-2021-22
ದಿ:5.5.2021
2)ಸರ್ಕಾರದ ಆದೇಶ ಸಂಖ್ಯೆ:ಎ.ಎ.327 ಒಪಿಸಿ 2021, ದಿನಾಂಕ:06ರೇ ನವೆಂಬರ್ 2021

November 27, 2021: Dr. Suma M N, Dr. Geetishree Mishra, Mrs. Shachi P, Faculties, Department of Electronics and Communication Engineering along with Mr. Priyanshu M and Mr. Venkatesh Subramanya Iyer Giri students 7th semester ECE stood in second position in 2021 edition of the International Telecommunication Union (ITU) AI/ML in 5G Challenge for the problem statement on "RF LINK FAILURE PREDICTION MODELLING" held during October -November 2021.

November 29, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering was invited as a resource person to deliver a talk on “Indian Knowledge System” at the Student Induction Program through online mode organised by Babu Banarasi Das Engineering College, Lucknow.



Date: 26th November 2021
To,
Prof. (Dr.) Rajath Vasudevamurthy
Assistant Professor,
Department of Electronics and Communication Engineering,
B.M.S. College of Engineering, Bengaluru 560019.
Dear Prof. (Dr.) Rajath Vasudevamurthy
On behalf of Babu Banarasi Das Engineering College, Lucknow [College Code 508], we would like to extend a cordial invitation to you as an Eminent Guest Speaker of Student Induction Programme for our newly admitted students of B. tech. First Year of academic session 2021-2022.



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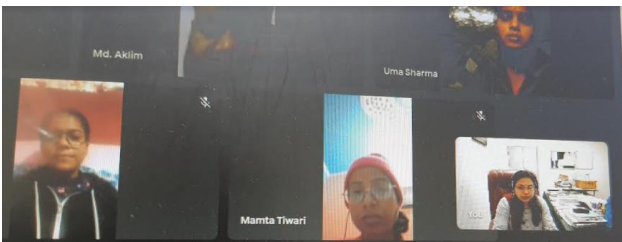
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December 02, 2021: Dr. Seshachalam, Faculty, Department of Electronics and Communication Engineering was invited as resource person to deliver a talk on “Quality Question Paper Setting” in **STC on Teaching Learning Process to Enhance Program Outcomes** organized by **National Institute of Technical Teachers Training and Research(NITTTR)** Chandigarh through online mode.

December 09, 2021: Mr. M R Muralidhara, Foreman and Mrs. Radha B, Technical Assistant, Department of Electronics and Communication Engineering, installed “**CADENCE**” Software tools in the Department of Instrumentation and trained the faculties and instructors on the “**Analog and Digital Design Flow**” from 9th-11th December 2021.



December 14, 2021: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering was invited as “**Mentor**” to empower disadvantaged youth students in the **Mentorship Program** conducted by **Freedom Employability Academy, New Delhi.**



December 15, 2021: Dr. Seshachalam, Faculty, Department of Electronics and Communication Engineering was invited as “**Subject Matter Expert**” in **Selection Committee for Faculty Promotion** organized by **Nitte Meenakshi Institute of Technology** Bengaluru through online mode.

December 15, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering was invited to attend a meeting of researchers organized by **IKS (Indian Knowledge Systems)** division of the **Higher Education department of MoE**, the meeting highlighted the financial support available for Colleges, Universities and other institutions interested in the study, research and promotion of IKS and the event was hosted by **The Center of Ancient History and Culture of JAIN** (deemed-to-be) University, Bengaluru.

December 17, 2021: Mr. M R Muralidhara, Foreman and Mrs. Radha B, Technical Assistant, Department of Electronics and Communication Engineering conducted a two days’ workshop on “**CADENCE TOOL FLOW**” for the faculties, Ph.D. scholars and students of BMSCE. The workshop covered the complete **Analog and Digital Design Tool Flow.**

About the College

The B. M. Sreenivasiah College of Engineering (herein after referred as BMSCE), was founded on 20th Temple Road, Bangalore, by the great visionary Late Sri M. Sreenivasiah. After the demise of Dr. M. S. Sreenivasiah, the illustrious son of the Founder took over the reins of BMSCE. Under his able leadership, the college grew from strength to strength. It is the first private sector institute for technical education in India. BMSCE offers a total of 39 programs both in conventional and emerging areas (13 UG programs, 12 PG programs, 14 Research Centers for pursuing PhD).

BMSCE became an autonomous institution under VTU in the year 2008-09 and is Approved by AICTE, Accredited by NBA and Accredited by NAAC (Grade A). In the year 2011, BMSCE has been recognized as a QIP Centre in Engineering & Technology by All India Council for Technical Education (AICTE). BMSCE is one among the 15 Engineering Colleges in the state selected for Phase II of the Technical Education Quality Improvement Program (TEQIP), a world bank sponsored project. BMSCE is the only private institution from India for the Mellon Foundation, USA, along with the other universities located in China, China, Germany and USA. The Mellon Foundation advocates Global Citizenship Programs. BMSCE has a strong alumni base. Over the years BMSCE has been a source of many portals of BMSCE occupy several positions in many educational, industrial and research organizations in India and all over the world.

Advisor Committee

Dr. R.V. Narasimha Murthy, Principal, BMSCE, Bangalore.

Dr. Muralidhara, S. Vice-Principal, BMSCE, Bangalore.

Dr. Arathi, S. Shankar Prof. and HOD, Dept of ECE.

Faculty Coordinator Dr. Vasudhara Patel K. S. 998217969

Workshop Coordinator Mr. Muralidhara M.R. Foreman-ECE 9844781627

Mrs. Radha B Technical Assistant radhab.eco@bmsce.ac.in 9880123515

B.M.S. College of Engineering, B'lore-19 (Autonomous college under VTU)

Workshop On



VLSI DESIGN USING CADENCE TOOLS

Dec 17th & 18th, 2021

Organized by Department of Electronics & Communication Engineering 8th Temple Road, Bangalore 560019. Website: www.bmsce.ac.in

About the Department



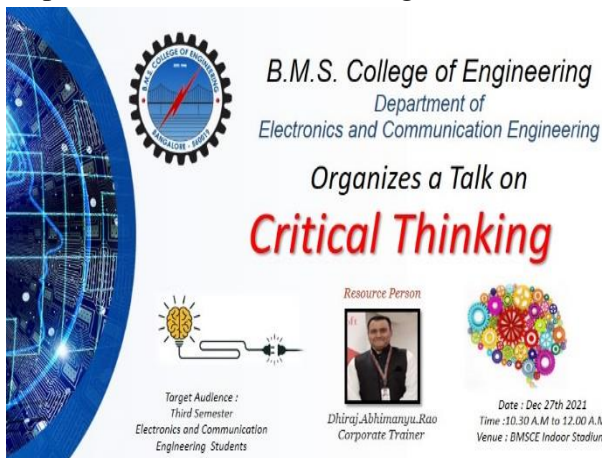
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December 21, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering Faculty Mentor ISCB chaired a talk titled "Pathway to Professional Excellence" delivered by Mr. Anilkumar Dinker Pandit, Engineering Educator & Chartered Engineer organised by the IUCEE Student Chapter at BMSCE (ISCB).

December 22, 2021: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering was invited as a resource person to deliver online sessions on "Indian Intellectual Heritage" at the Student Induction Program held at R.V. Institute of Technology and Management, Bengaluru.

December 27, 2021: Department of Electronics and Communication Engineering organized an interactive session on the topic "Critical Thinking" for the students of 3rd semester ECE and Mr. Dhiraj A Rao, Corporate Trainer was the invited resource person. Dr. Arathi R Shanker, Dr. Geetishree Mishra, Mr. Eesha D, Faculties, Dept of ECE were the event organizers.



B.M.S. College of Engineering
Department of
Electronics and Communication Engineering

Organizes a Talk on
Critical Thinking

Resource Person
Dhiraj Abhimanyu Rao
Corporate Trainer

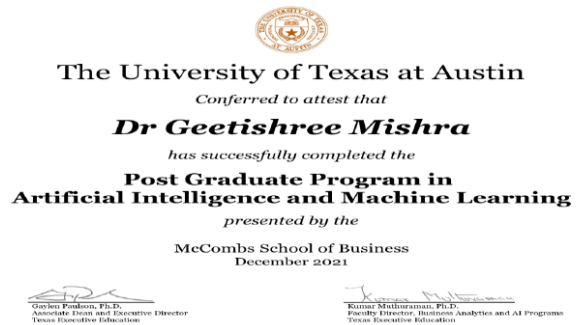
Target Audience:
Third Semester
Electronics and Communication
Engineering Students

Date: Dec 27th 2021
Time: 10.30 A.M to 12.00 A.M
Venue: BMSCE Indoor Stadium

December 28, 2021: Dr. Arathi R Shanker, Dr. Geetishree Mishra, Mr. Eesha D, Faculties, Department of Electronics and Communication Engineering organized an interactive session on the topic "Inner Electronics" for the students of 3rd semester ECE and Mr. Nitin Nirmal from Health Foundation was the invited resource person.



January 1, 2022: Dr Geetishree Mishra, Faculty, Department Of Electronics and Communication Engineering completed Post Graduate program in "Artificial Intelligence and Machine Learning" from The University of Texas at Austin, USA.



The University of Texas at Austin
Conferred to attest that
Dr Geetishree Mishra
has successfully completed the
**Post Graduate Program in
Artificial Intelligence and Machine Learning**
presented by the
McCombs School of Business
December 2021

Geeta Pambore, Ph.D.
Associate Provost and Executive Director
Texas Executive Education

Ramraj Srinivasan, Ph.D.
Faculty Director, Business Analytics and AI Programs
Texas Executive Education

January 8, 2022: Dr. Veena M B, Faculty Department of Electronics and Communication Engineering was invited to deliver a talk on "Quantum Dot Cellular Automata" in the 5 day Faculty Development Program on "Trends and opportunities in VLSI Technology" in association with ENTUPLE Technologies organized by HKBK College of Engineering, Bangalore, from January 4th-8th, 2022 through online mode.



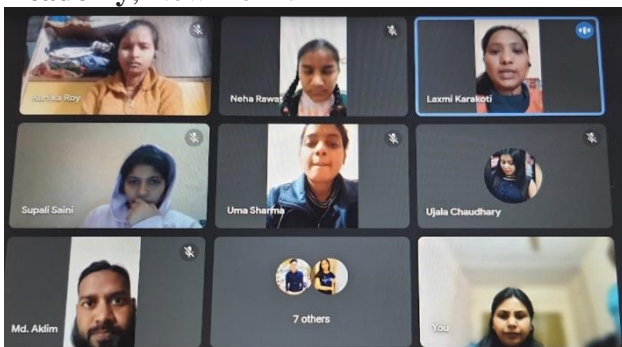
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January 8, 2022: The following student projects qualified to be in the top 20 projects received by IUCEE (Indo-Universal Collaboration for Engineering Education) and were presented at the IUCEE Annual Student Forum at the conference ICTIEE (International Conference on Transformations in Engineering Education)

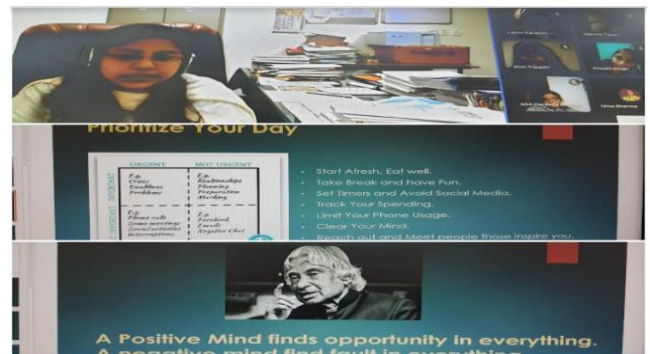
- **“Virtual Studo-Bot”** presented by Mr. Aliasgar A V, Mr. Ankit Kumar, Mr. Ashish S B and Mr. Mohammad Rehab Sait, students of ECE guided by Dr. Rajanikanth Kashi Nagaraj, Faculty, Department of Electronics and Communication Engineering.
- **“Scalable Vital Monitoring”** presented by Mr. Rahul Kamath, Mr. Rakshith P and Mr. Rohan Sathish, students of ECE guided by Prof. Bhavana H T, Faculty, Department of Electronics and Communication Engineering.
- **“Smart Water Audit System”** presented by Mr. Manu Saraogi, Ms. Ritika Siyal, Ms. Vishnupriya B and Mr. Yasho Mangal N, students of ECE guided by Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering.

January 17, 2022: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering was invited to give a session on **“Preparing for Your Career”** in the mentorship program conducted by **Freedom Employability Academy**, New Delhi.



January 31, 2022: Dr. Anantha Sunil Maligi and Mrs. Bhavana H T, Faculties, Department of Electronics and Communication Engineering published a research article titled **“Roadmap of Effect of Biowaste-Synthesized Carbon Nanomaterials on Carbon Nano-Reinforced Composites”** in **Catalysts 2021** (WoS Q2 Journal), Volume 11, Issue 12, 1485.

February 01, 2022: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering was invited to give a session on **“Dealing with Adversity”** in the **Mentorship Program to Empower Disadvantaged Youth Students** conducted by **Freedom Employability Academy**, New Delhi.



February 01, 2022: Dr. H R Archana, Dr. Surendra H H, Faculties, Department of Electronics and Communication Engineering and Ms. C Yuktha, Mr. S. Archith final year students of ECE authored a chapter titled – **“Analysis of M-SEIR and LSTM Models for the Prediction of COVID-19 Using RMSLE”** in the book of **Fundamentals and Methods of Machine and Deep Learning: Algorithms, Tools and Applications** published by **Wiley Online Library**.



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February 01, 2022: Dr. Suma M N and Dr. Geetishree Mishra Faculties, Department of Electronics and Communication Engineering received “**Certificate of Excellence**” from **SAMSUNG** for mentoring Prism work let for

- “**Cloth Pattern Classification Model Building**” along with Mr. Priyanshu M, Mr. Manu Saraogi, Mr. Shivanithyanathan, Ms. Ritika Siyal, Mr. Akhil S Raj students of VII semester ECE from June 2021 to Jan 2022.
- “**Synthetic Data Generation for Indic Text Recognition**” along with Mr. Subramanya K, Mr. Rahul R, Mr. Roshan Nayal, Mr. Shashwat Aryan students of VII semester ECE from June 2021 to Jan 2022.

February 11, 2022: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering was invited to give a session on “**Overcoming Challenges in Career Path**” in the **Mentorship Program to Empower Disadvantaged Youth Students** conducted by Freedom Employability Academy, New Delhi.



February 12, 2022: Dr. K R Sudhindra Faculty, Department of Electronics and Communication Engineering and Mr. Nagaraju P, Mr. Imran Khan, Mr. H V Kumaraswamy, Ms. Sachina D students of 7th ECE presented a research paper titled “**Analysis of SWASTIK - Shaped Slotted MSPA Antenna for 5G Sub Band Applications**” in the International conference on **Intelligent Engineering Apporach (ICIEA-2022)** organized by **SLN College of Engineering, Raichur, India** through virtual mode.

February 12, 2022: **ELSOC** (Electronics Society) of BMSCE conducted a 2-day Arduino bootcamp called "Ard-U-Know", where the participants were exposed to the basics of programming, sensors, actuators with a hands-on session on Tinkercad, followed by a competition. Mr. Vishvesha V, Ms. Soumya Gopal Kulhalli, Ms. Sanjana A H, Mr. Shreyas S, Mr. Tejas P V, students of 2nd year ECE and Ms. Meghana G K of 3rd year ECE were the instructors of the bootcamp and Mr. Bharath G S of 3rd year ECE gave an introduction to ELSOC. Mr. Shamanth PV, Mr. Vishnu Prakash Bharadwaj Priyanshu Kumar Chaudhary, students of 1st year won three prizes. Dr. Siddappaji, HoD, Dept. of ECE, presided over the inauguration and prize distribution ceremony along with faculty coordinators Dr. Rajath Vasudevamurthy and Dr. Sunil Anantha Maligi, Asst. Prof., Department of ECE.



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February 19, 2022: Dr. Rajanikanth k, Dr. H R Archana, Mrs.Lalitha S, Faculties, Department of Electronics and Communication Engineering, presented research paper titled “**Im-SMART: Developing Immersive Student participation in the classroom Augmented with Mobile Telepresence Robot**” during the **1st International Conference on Robotics, Control and Computer Vision (ICRCCV-2022)** held on February 19th-20th, 2022 through virtual mode organized by **National Institute of Technology (NIT), Uttarakhand, India.**

February 19, 2022 Dr. Sudhindra K R, Dr. Surendra H H Faculties, Department of Electronics and Communication Engineering presented research paper titled “**Programmable Bot for Multi Terrain Environment**” in the **International Conference on Robotics Control and Computer Vision (ICRCCV 2022)** organized by National Institute of Technology (NIT) Uttarakhand, India through virtual mode. The paper has been accepted for publishing in **Lecture notes in Electrical Engineering.**

March 02, 2022: Dr. Rajath Vasudevamurthy, Faculty, Department of Electronics and Communication Engineering presented a research paper titled “**Pulse-Width Modulation Technique for Generation of Multiple Analog Voltages for On-Chip Calibration**” at the **35th International Conference on VLSI Design** held virtually from 26th February-02nd March 2022.

March 02, 2022: Dr. Maligi Anantha Sunil and Mrs. Sanjana T, Faculties, Department of Electronics and Communication Engineering, published a research paper titled “**Studies on DC Sputtered Cuprous Oxide Thin Films for Solar Cell Absorber Layers**” in the **Journal of Materials Chemistry and Physics.**

March 07, 2022: Dr. Jayanthi K Murthy, Faculty, Department of Electronics and Communication Engineering published a book chapter titled “**Improved Routing Protocol for Health Care Communications: A Descriptive Study**” in the book of **Innovations in Science & Technology.**

March 07, 2022: Dr. Sudhindra K R, Dr. Surendra H H, Dr. Archana H R, Faculties Department of Electronics and Communication Engineering were the invited resource persons to deliver a talk on “**Robotics**” in a one-day workshop conducted for students and faculties organized by **East Point College of Engineering & Technology, Bangalore.**

March 25, 2022: Memorandum of Understanding (MOU) was signed between Department of Electronics and Communication Engineering and SM Electronic Technologies Pvt. Ltd., Bangalore.



March 25, 2022: Dr. Geetishree Mishra, Faculty, Department of Electronics and Communication Engineering published a research paper titled “**Sensor Based Pothole Detection System**” in the **International Conference Cloud Computing in the Emerging Markets** published by **IEEE.**



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March 28, 2022: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering presented a research paper titled “**A Survey on Detecting Location Based Faults in Wireless Sensor Networks using Machine Learning and Deep Learning Techniques**” at the **3rd International Conference on Recent Trends in Machine Learning, IoT, Smart Cities & Applications (ICMISC-2022)** held from 28th-29th March 2022, organised by CMR Institute of Technology, Hyderabad, India.

March 30, 2022: Dr. Geetishree Mishra, Faculty, Department of Electronics and Communication Engineering published a research paper titled “**Agricultural Pests and Disease Detection**” in the **International Conference on Forensics, Analytics, Big Data Security** published by **IEEE**.

March 30, 2022: Mr. Rahul Kamath, Mr. Rakshith P and Mr. Rohan Sathish final year students Department of Electronics and Communication Engineering won “**2nd Runner up**” in **ISSS awards 2021** and were awarded a certificate and a cash prize of 7500/- under UG category for their project titled “**Scalable Vitals Monitoring System**”. The project was supervised by Mrs. Bhavana H T, Faculty, Dept. of ECE.

March 30, 2022: Dr. Poornima G, Faculty, Department of Electronics and Communication Engineering was invited as “**Subject Expert**” in the **Staff Selection Committee** meeting held at Acharya Institute of Technology, Bangalore.

April 06, 2022: Dr. M. Anantha Sunil, Faculty Department of Electronics and Communication Engineering was a part of the review committee constituted for project evaluation titled “**Development of Debris monitoring System**” at **DRDO, Gas Turbine Research Establishment**, as an Expert member. The committee conducted online review through video conference.

April 11, 2022: ELSOC (Electronics society), Department of Electronics & Communication Engineering in association with The Institution of Electronics & Telecommunication Engineers (IETE) have conducted an extended induction program on “**Basic Electronics Made Easy**” which was a peer learning activity for 1st semester students. The total number of participants were 30 and the sessions were handled by higher semester students conducted in blended mode from 11th -18th April 2022.





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April 23, 2022: Department of Electronics and Communication Engineering conducted **Felicitation** program for **GATE-2022** achievers and **Valedictory Program** for Extended Induction Program in the Dept. of ECE and certificate was distributed by HOD to all the qualified students.



April 24, 2022: Department of Electronics and Communication Engineering on the occasion of “**World Earth Day**” voluntarily participated in community service by planting saplings at Churchghatta Lake bed to create awareness program for lake conservation. Around 29 students and 15 staffs took part in planting 106 saplings and also in cleaning activity around the lake.



April 25, 2022: An orientation program on **GATE** examination was conducted by Department of Electronics and Communication Engineering and CEHS cell, BMS College of Engineering in association with **PrepLadder Company** for the students of 6th semester ECE, Mr. Trinadh Reddy from **PrepLadder** was the resource person and the event was coordinated by Mrs. Hemavathi, Faculty, Dept. of ECE.



April 28, 2022: As a part of **Machine Learning** elective course for the students of 6th semester ECE associated with **Nokia Networks**, a session on “**Statistical Analysis of Linear Regression**” was delivered by Ms. Priya Malar T, Technical Leader, **Nokia**. Dr. Suma M N and Dr. Geetishree Mishra, Faculties, Department of Electronics and Communication Engineering were the event coordinators.





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April 30, 2022: Department of Electronics and Communication Engineering organized a 2-week value added course on “**Project-Based Learning on VLSI Design**” for the students of 6th semester ECE from 13th- 30th of April 2022. Dr. Vikash Kumar, Faculty, Dept. of ECE was the resource person.

