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DEPARTMENT OF ELECTRONICS AND COMMUNICATION

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Vision

- Producing competent engineers with innovative ideas to meet the global needs and standards.



Dr. Poonguzhali . A.

Associate Professor & Head of the Department

Mission

- **M1.** To produce graduates with technical expertise, professional attitude & ethical values.
- **M2.** To reform the potency of Engineering through exploration-based learning.
- **M3.** To create a passion amongst students for contributing to research by providing industry- oriented training
- **M4.** To inculcate in the graduates, the thirst for self-learning & guide them to obtain knowledge in their chosen field

The Department of Electronics and Communication Engineering was established in 1997. It is AICTE-approved, permanently affiliated with VTU, and accredited by NAAC and NBA. The department offers undergraduate courses and is recognized as a “Research Centre” by VTU. It is strengthened by qualified doctoral faculty, including professors, associate professors, assistant professors, and technical staff. In addition to academic events, the department oversees overall development activities. Students are provided with training and certification programs, industrial visits, periodic technical talks, workshops, and conferences, all aimed at empowering their employability skills.

Department Activities

Workshop / Seminar / Conference/ Technical Talks

1. Workshop on 5G Antenna Design and its Wireless Applications

Department of Electronics and Communication Engineering (ECE) organized 2 Days hands on workshop for final year ECE students under ISTE banner on 23rd and 24th November 2023 at AV Hall. Dr. Siddalingappagouda Biradar - Associate Professor DSATM, Bengaluru and Dr. Shashiranjan – Associate Professor, DBIT, Bengaluru were invited as Resource Persons.

2. AI Integrated Automation Solutions for Real Time Systems

The Department of Electronics and Communication Engineering at Sri Sairam College of Engineering, Anekal, Bengaluru, organized a seminar on "AI Integrated Automation Solutions for Real-Time Systems" in association with IEEE for all final-year students on 29th November 2023. The seminar was inaugurated with a welcome address delivered by Dr. V. Anitha, Assistant Professor in the Department of ECE. Dr. A. Poonguzhali, Head of the Department of ECE, addressed the final-year students and shared the importance of AI in real-time systems. The resource person for the seminar was Dr. Rajesh, Technical Lead at Innovative Engineering Products, Hosur.



Paper Publications

- a. Dr. Jaya Kumar S. has published a paper titled "Utilization of Digital Tools in the Indian Higher Education System During Health Crises" in the journal Advances in Logistics, Operations, and Management Science (ALOMS), ISSN: 2327-350X, EISSN: 2327-3518, in 2023.
- b. Prof.Savitha H. S. has published a paper titled "Integrating Smart Technologies for Enhanced Traffic Management and Road Safety: A Data-Driven Approach" in the Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS 2023). The paper is available in IEEE Xplore, Part Number: CFP23CB2-ART; ISBN: 979-8-3503-2579-9.
- c. Dr. P. Narmatha has published a paper titled "Skin Cancer Detection from Dermoscopic Images Using Deep Siamese Domain Adaptation Convolutional Neural Network Optimized with Honey Badger Algorithm" in the journal Biomedical Signal Processing and Control in November 2023.
- d. Dr.S. Jayakumar has published a paper titled "Mobile Healthcare Apps for Patients" in the journal Current Trends in Health Care and Monitoring, ISBN: 978-93-95196-77-2.
- e. Prof.Hema Shubraja J. has published a paper titled "Mobile Healthcare Apps for Patients" in the journal Current Trends in Health Care and Monitoring, ISBN: 978-93-95196-77-2.

FDP's Attended

SL NO	NAME	FDP NAME	DATE	NO OF DAYS	NAME OF THE INSTITUTE
1	PROF.DEEPIKA P	INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION	1/12/2023-3/12/2023	3 DAYS	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
2	PROF.SANTOSH KUMAR N	INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION	1/12/2023-3/12/2023	3 DAYS	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
3	DR.A.ARIVARASI	DIGITAL LOGIC & EMBEDDED SYSTEM DESIGN USING INTEL FPGAS	1/11/2023-6/11/2023	6 DAYS	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU
4	PROF.DEEPIKA P	EMPOWERING EDUCATORS: NAVIGATING RECENT TRENDS	25/9/2023-30/9/2023	6 DAYS	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
5	DR AHILA A	DEVELOPING RESEARCH CULTURE IN EDUCATION INSTITUTES AS PER RECENT TRENDS IN INDUSTRY	18/12/2023 -22/12/2023	5 DAYS	KJE'S TRINITY COLLEGE OF ENGINEERING & RESEARCH PUNE
6	DR AHILA A	MODERN MEDICAL INSTRUMENTATION	4/12/2023 - 8/12/2023	5 DAYS	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
7	DR. S. JAYAKUMAR	INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION	1/12/2023 - 3/12/2023	3 DAYS	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

8	DR.P.HOSANNA PRINCYE	MODERN MEDICAL INSTRUMENTAT ION	4/12/2023 - 8/12/2023	5 DAYS	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
9	PROF.MANJUNATHA M	INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION	1/12/2023 - 3/12/2023	3 DAYS	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
10	PROF.SAVITHA H S	INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION	1/12/2023 - 3/12/2023	3 DAYS	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Student Paper Presentations

S.NO	NAME OF STUDENT	VENUE	DATE
1	NAVYA.K	UNIVERSITY OF VISWESWARAYA COLLEGE OF ENGINEERING	18-11-2023
2	RAKSHITHA .N	UNIVERSITY OF VISWESWARAYA COLLEGE OF ENGINEERING	18-11-2023
3	SOMAGUTTA SWATHI	UNIVERSITY OF VISWESWARAYA COLLEGE OF ENGINEERING	18-11-2023
4	SUPRITHA.V	UNIVERSITY OF VISWESWARAYA COLLEGE OF ENGINEERING	18-11-2023
5	HARSHITHA YADAV	SSCE	01-11-2023
6	JEEVITHA.M	SSCE	01-11-2023
7	MONISHA N	SSCE	31-10-2023

Toppers List

4thSem Top 10 Students List

Sl.No	USN	Name of the Student	Percentage
1	1SB22EC038	GAGAN B V	90.44%
2	1SB22EC015	BHOOMIKA L	88.33%
3	1SB22EC032	DEEPA S	87.66%
4	1SB22EC019	BOYA PAVANI	86.66%
5	1SB22EC008	BABITHA	86%
6	1SB22EC070	MUTHEESHWARAN R	84.44%
7	1SB22EC016	BHOOMIKA V	83.55%
8	1SB22EC074	NETHRA S	83%
9	1SB22EC106	SHRUTHI P	82.44%
10	1SB22EC099	SHAMITHA R	82.22%

6thSem Top 10 Students List

Sl.No	USN	Name of the Student	Percentage
1	1SB21EC057	MONIKA LAKSHMI S	86.87%
2	1SB21EC052	MEGA S	86.75%
3	1SB21EC040	KEERTHANA G	86.37%
4	1SB21EC054	MEHAK	86.12%
5	1SB21EC090	SREENIDHI R	86.12%
6	1SB21EC070	PRAKRUTHI A	84.50%
7	1SB21EC059	CHANDANA N	84.25%
8	1SB21EC045	MAMATHA	83.62%
9	1SB21EC089	SOWMYA J	83.50%
10	1SB21EC046	KRISHNAVENI G	83.37%