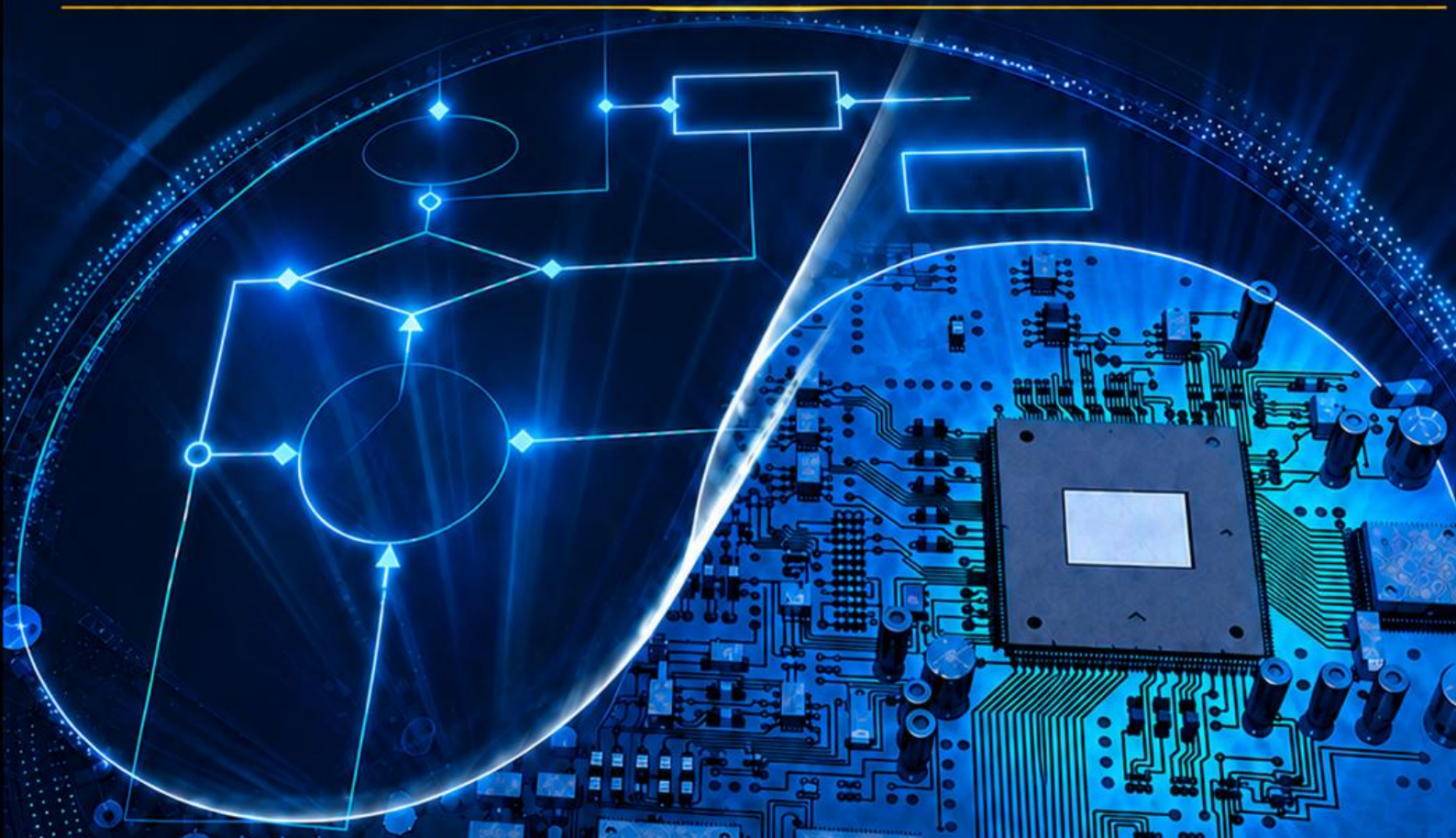
Bonam Venkata Chalamayya Engineering College(Autonomous), Odalarevu-533210

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Department of Electronics and Communication Engineering

July-Dec 2023 | Volume No. 17 | Issue 1



ECE Times Newsletter

Insights. Innovations. Impact.

ECE BLOCK



Vision of the Department

To produce globally competent and ethically responsible Electronics and Communication Engineers capable of developing innovative, sustainable and intelligent communication and electronic technologies to meet industrial and societal needs.

Mission of the Department

M1: To provide a robust academic environment through learner-centric pedagogy, state-of-the-art laboratory infrastructure, and exposure to emerging technologies like VLSI, IoT, and AI-driven communication systems.

M2: To bridge the gap between academia and industry by fostering collaborative research, innovation, and entrepreneurship through hands-on technical training and real-world problem-solving in electronic and communication technologies.

M3: To instill a strong sense of professional ethics, leadership, and lifelong learning in students, enabling them to develop sustainable and intelligent engineering solutions that address global societal and environmental challenges.

HOD's Desk



Dear Students, Faculty Members and Alumni,

It gives me immense pleasure to present the **Half Yearly Newsletter ECE Times** for the academic year 2023-24. This issue reflects the continued growth, achievements, and vibrant academic and professional activities of the Department of Electronics and Communication Engineering.

The department remains committed to fostering **academic excellence, innovation, research, technical competency, and holistic development** among our students. Over the past year, our students and faculty members have actively participated in and contributed to a wide range of academic and co-curricular activities, including technical events, workshops, seminars, internships, projects, publications, patents, competitions, and industry-oriented initiatives.

This second issue provides a glimpse into the **achievements, milestones, innovations, and memorable activities** that have shaped our department. It is a testimony to the dedication and collaborative spirit of our faculty members, students, and alumni. I sincerely appreciate the efforts of the **editorial team** for bringing together these accomplishments and presenting them in an engaging and meaningful manner.

I believe that this newsletter will serve not only as a record of our collective journey but also as a source of motivation and inspiration for our students to explore new ideas, embrace emerging technologies, pursue research and innovation, and strive for excellence.

I extend my heartfelt appreciation to all faculty members, students, and alumni whose valuable contributions have strengthened the department and enriched its academic environment. I congratulate everyone on their accomplishments and encourage our students to continue learning, innovating, and pursuing their aspirations with confidence and determination.

I wish the **ECE Department** continued success and greater achievements in the years ahead.

With best wishes,

Dr. Akula Pravin
Head of the Department & Professor
Bonam Venkata Chalamayya Engineering College,
Odalarevu

Semester Toppers

TOPPERS LIST IV B. TECH I SEMESTER

S.No	Roll Number	Name of the Student	SGPA	Rank
1	20221A04B5	Pasam Madhu Salini	8.96	1
2	21225A0412	Kudupudi Lakshmi Prasanna	8.96	1
3	20221A04C4	Rekapalli Venu Pavan Teja	8.83	2
4	21225A0405	Dommeti Lavanya	8.83	2
5	21225A0425	Golagani Hema Latha	8.83	2
6	20221A0445	Ganisetti Sri Venkata Sai Ramesh	8.7	3
7	20221A0489	Magapu Satish Kumar	8.7	3
8	20221A04F0	Vegesina bharath venkata naveenvarma	8.7	3
9	21225A0411	Korukonda Thanuja	8.7	3

TOPPERS LIST III B. TECH I SEMESTER

S.No	Roll Number	Name of Student	SGPA	Rank
1	21221A0470	Jana Pavitra Sai Naga Jyothi	9.44	1
2	21221A0403	Adabala Naga Ushasri	9.3	2
3	21221A0419	Bavireddi Sankararao	9.3	2
4	21221A0456	Golakoti Deepthi	9.3	2
5	21221A0401	Achanta Venkata Ganesh	9.16	3
6	21221A0411	Ankam Durga Lakshmana Prasad	9.16	3
7	21221A0441	Chollangi Chandrika Lakshmi Madhu	9.16	3
8	21221A0442	Chollangi Sneha Siva Durga Padmini	9.16	3

Semester Toppers

TOPPERS LIST II B. TECH I SEMESTER

S.No	Roll Number	Name of Student	SGPA	Rank
1	22221A0452	Dulipudi Pavani Veera Satya	9.16	1
2	22221A0473	Kancherla Durga Devi	9.16	1
3	22221A0482	Katta Sai Srinivas Raghu Praveen	9.07	2
4	23225A0407	Kancharla Lakshmi Devi	9.3	3



EVENTS ORGANIZED

GUEST LECTURE ON MICROSTRIP ANTENNAS

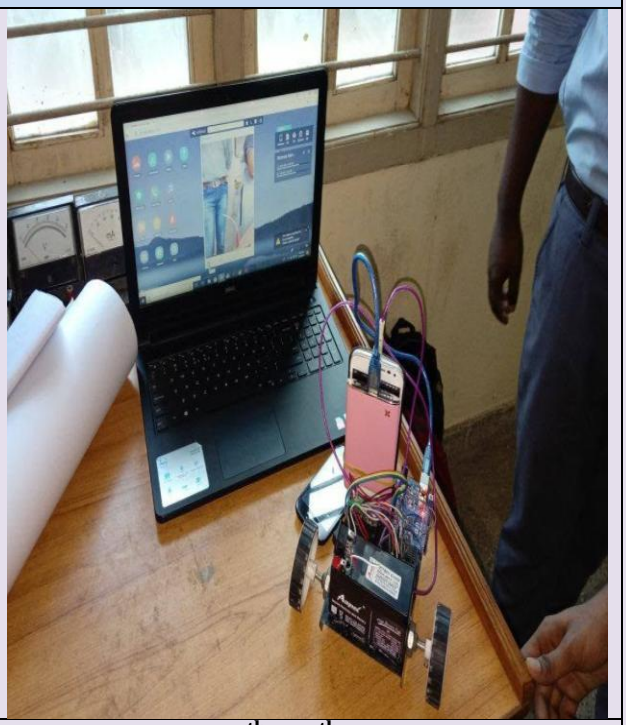




The Guest Lecture delivered by Dr. U V Ratna Kumari, Prof. of ECE, UCEK, JNTUK Kakinada on Microstrip Antennas in Electronics was organized by Albert Einstein ECE Club of ECE Department on 7th September 2023 for III ECE Students

PROJECT EXPO – ENGINEER'S DAY-2K23





The Project Expo – Engineer's Day-2K23 was organized by ISTE on 11th -12th September 2023 to provide students with a platform to showcase their innovative engineering projects, technical knowledge, and problem-solving abilities.

EVENTS ORGANIZED

IDEA CONTEST-2K23





The Idea Contest-2K23 was organized Techsphere Club on 19/12/2023 to 20/12/2023 to encourage students to think creatively and develop innovative ideas that address real-world challenges through engineering and technology

GUEST LECTURE ON RECENT TRENDS IN ELECTRONICS



The Guest Lecture delivered by Dr. B V V Satyanaraya, Assoc. Prof. of ECE, VIT, Bhimavaram on Recent Trends in Electronics was organized by Albert Einstein ECE Club of ECE Department on 30th October 2023 for III ECE Students

EVENTS ORGANIZED

TEACHER'S DAY CELEBRATIONS-2023





The Department of Electronics and Communication Engineering celebrated Teachers' Day on 5th September 2023 with great enthusiasm. On this occasion, Dr. Valluri Dhana Raj , Professor of ECE Departmnet was felicitated by our Honorable Secretary Sir Sri. B. Kanakayya in recognition of his valuable contributions to the field of education. The event was marked by respect, gratitude and appreciation for his dedicated service.

INAUGURATION OF INDUCTION PROGRAMME-2023 FOR I.B.TECH STUDENTS



Bonam Venkata Chalamayya Engineering College (Autonomous), Odalarevu, organized the Inauguration Ceremony of the Induction Programme for newly admitted B.Tech students on 12th Spetmeber 2023. The programme was graced by our Honourable Chairman, Sri B. Krishna Satish, along with other distinguished dignitaries and faculty members,welcoming the freshers and providing an introduction to the institution, its academic environment, values, and campus activities.

EVENTS ORGANIZED

ENGINEER'S DAY CELEBRATIONS



The Department of Electronics and Communication Engineering celebrated Engineers' Day on 15th September 2023 under ISTE Student Chapter to commemorate the birth anniversary of the eminent engineer Sir Mokshagundam Visvesvaraya. The celebration aimed to highlight the importance of engineering and innovation in nation-building. As part of the programme, various activities were organized, and winners were felicitated with certificates and mementos in recognition of their achievements. Faculty members, student coordinators and students actively participated in the event.

FACULTY FDPS/WORKSHOPS/SEMINARS/TRAINING PROGRAMS ATTENDED

Name of the Faculty	FDP /Workshop/Seminars/Training Program/Conference	Organized by	Duration
Dr. Akula Pravin	One week FDP on Emerging trends and challenges in communication and computational Technologies 5G/6G	VNR Vignana Jyothi Institute of Engineering & Technology,Hyderabad	3/7/23 to 8/7/23
Ch Sridevi	One Week online Faculty Development Program on "Quantum Signal Processing"	Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR District, In Association with IETE, Vijayawada center	14/12/2023 to 20/12/2023
Ch Sridevi	Five Day Faculty Development Programme on "Next Generation Wireless Communication System Design and Simulation"	Faculty Development Training Centre in association with Government Polytechnic College, Srirangam, Trichy	9/09/2023 to 23/09/2023
Dr. Valluri Dhanaraj	Antennas for 5G communication & Beyond	Aditya Engineering College ,Suramplem	3/7/23 to 8/7/23
Mr. V.Anuragh	Antennas for 5G communication & Beyond	Aditya Engineering College ,Suramplem	3/7/23 to 8/7/23
Mrs.V. Sandhya	One week FDP on Cloud Infrastructure(AWS)	BSI Solutions,Hyderabad	21/8/23 to 25/8/23
Mrs. Jalli Umamaheswari	One week FDP on Cloud Infrastructure(AWS)	BSI Solutions,Hyderabad	21/8/23 to 25/8/23

Ms. S N D V L Priyanka	Antennas for 5G communication & Beyond	Aditya Engineering College ,Suramplem	3/7/23 to 8/7/23
Ms. Tikkireddy Sri Satya Mounika	Research pedagogy,AI chat bot ,patent use of latex for research paper writing	Bonam Venkata Chalamayya Engineering College ,Odalarevu	3/7/23/ to 8/7/23
Mr. Gidla Sudheer Babu	Research pedagogy,AI chat bot ,patent use of latex for research paper writing	Bonam Venkata Chalamayya Engineering College ,Odalarevu	3/7/23/ to 8/7/23
Ms. Sabbathi Leelaveni	Research pedagogy,AI chat bot ,patent use of latex for research paper writing	Bonam Venkata Chalamayya Engineering College ,Odalarevu	3/7/23/ to 8/7/23

FACULTY PUBLICATIONS

Conference Papers:

1. **T. Saran Kumar, I. Rama Satya Nageswara Rao, Y. Satya Vinod, P. Harika,** B. V. V. Satyanarayana **& A. Pravin** "Area Efficient and Ultra Low Power Full Adder Design Based on GDI Technique for Computing Systems" International conference on cognitive computing and cyber physical systems, 2023

2.**Ch Sridevi,** B V Ramana, **K Lakshmi Priyanka, Sandhya Vallabhareddi**, N Suguna,Ch Murali Krishna, "Design and Analysis of Quad- Element MIMO Antenna Applied to the Wideband Transmission", 2023 IEEE World Conference on Applied Intelligence and Computing (AIC), 29-30 July 2023, **ISBN**:979-8-3503-1007-8.

3. **K. Rajasekhar** ,"An Advance Implementation of Machine Learning Techniques for the Prediction of Cervical Cancer" 2023 IEEE International Conference on ICT in Business Industry & Government (ICTBIG),08-09 Dec 2023, ISBN:979-8-3503-4328-1

4. S V S N Murthy; **Anuragh Vijjapu**; D Vijendra Kumar; G V Vinod; **K Rajasekhar**; CH V V S Srinivas," Metal Detecting Robot with Location Transmission System" 2023 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA), 22-24 November 2023, ISBN:979-8-3503-4061-7,(IEEE Explore)

Students Participation

S.No.	Name of the Student	Name of the Event	Date of Event	Name of the award if any
1	Yedida Gayatri	Interfacing sensors-Arduino	04/09/2023 to 09/09/2023	Third
2	Ambati Yogendra Sai Sandeep	Hackoverflow-2k23	19/10/2023 to 20/10/2023	Participated
3	Gunturi Santhosh Varma	H Hackoverflow-2k23	19/10/2023 to 20/10/2023	Participated
4	Magapu Satish Kumar	Hackoverflow-2k23	19/10/2023 to 20/10/2023	Participated
5	Kattumenu Hema	Hackmelaa 2023	18/11/2023	Participated
6	Vattam Durga Prasad	Hackmelaa 2023	18/11/2023	Participated
7	Vechalapu Akshaya Thanuja	Hackmelaa 2023	18/11/2023	Participated
8	Yedida Gayathri	Hackmelaa 2023	18/11/2023	Participated
9	Golagani Hema Latha	Hackmelaa 2023	18/11/2023	Participated

BVC Alumni Shine in India's Historic Chandrayaan-3 Mission



PROGRAM EDUCATIONAL OBJECTIVES:

PEO1:
Graduates will apply strong fundamentals of electronics and communication engineering to analyze, design, and develop innovative electronic and communication systems using modern engineering tools for industrial and societal applications.

PEO2:
Graduates will pursue successful careers in industry, research organizations, and entrepreneurship or engage in higher education, demonstrating innovation, technical competence, and adaptability in emerging areas such as VLSI, IoT, and intelligent communication systems.

PEO3:
Graduates will demonstrate professional ethics, leadership, teamwork, and lifelong learning while developing sustainable engineering solutions to address global technological and societal challenges.

PROGRAM OUTCOMES (POS):

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions.

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws.

PO9: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO10: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO11: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO12: Life-Long Learning: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES:

PSO 1: Graduates will be able to analyze, design, and implement complex electronic systems and communication networks using modern hardware-software tools in the areas of VLSI, Embedded Systems, IoT, and AI-driven signal processing.

PSO 2: Graduates will be able to apply ECE principles to develop innovative, cost-effective, and sustainable solutions for real-world industrial and societal problems, while adhering to professional ethics and environmental standards.

EDITORIAL BOARD

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Assistant Professor

Mrs. Jalli Umamaheswari

Assistant Professor

Student Editors

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(21221A0428)

Mr. Jigireddi Madhu
(21221A0471)

Mr. Adabala Sai Chandra Durga
(22221A0403)