

VOL II ISS IV

Departmental News Letter

APR-JUN 2021



A VOICE OF ELECTRONICS AND COMMUNICATION ENGINEERING



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VOLUME II ISSUE IV

DEPARTMENT VISION & MISSION

VISION

To be a recognized center for innovation in Electronics & COMMUNICATION Engineering with ethics in research and serving society.

MISSION

DM1: Impart knowledge skills on state-of art technologies aligned to address industry and society needs.

DM2: Organize activities to inculcate self-learning lifelong learning, team spirit and professional ethics.

DM3: Provide quality environment, promoting research innovation and entrepreneur skills.

Program Educational Objectives (PEOs)

PEO1: Demonstrate the educational foundation needed for professional career/higher studies in the field of Electronics and Communication Engineering

PEO2: Provide solutions for the real time problems with the ever-changing industry requirements.

PEO3: Develop attitude for life long learning and practice the profession with integrity and responsibility

Program Specific Outcome's (PSO's)

PSO1: Design and provide solutions in Power Electronics and Power Systems.

PSO2: Demonstrate renewable energy technologies for growing energy demand.

Program Outcomes (PO's)

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



PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Ability and skills to effectively use state-of-the-art techniques and computing tools for analysis, design and implementation of computing systems which resolve real life problems.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by 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 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 and responsibilities and norms of engineering practice.

PO9: Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Make effective presentations and give and receive clear instructions. with society at large. Be able to comprehend and write effective reports documentation.

PO11: Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO12: 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.

FACULTY ACHIEVEMENTS

- Dr. N. Venkata Rao published Novel Error Detection and Correction Approach for Semiconductor Memory Applications in journal IJAEMA Volume XIII, Issue VI, June 2021.

EVENTS ATTENDED-FACULTY

- Mr. Kopalli Venkanna Naidu attended FDP in **Machine Learning in Image Processing Application** in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology Vijayawada from 15/03/2021 To 27/03/2021.
- Mr. Kopalli Venkanna Naidu attended FDP in **Outcome based education & NBA Accreditation for Tier II colleges** in Sagi Rama Krishnam Raju Engineering College (AUTONOMOUS) Bhimavaram from 29/03/2021 To 03/04/2021.
- Mr. Kopalli Venkanna Naidu attended FDP in **AI-MIMO Millimeter (Mm) Wave And Massive Mimo Applications For 5g Wireless Networks Using Ai Sub Theme - Hands-On: 4g/5g Orthogonal And Non-Orthogonal Multi-Carrier Systems** in Gokaraju Ranga Raju Institute of Engineering & Technology Hyderabad from 26/04/2021 To 01/05/2021.
- Mr. K. Sekhar Babu, Mrs.N. Maryleena, Dr. Nekkanti Venkata Rao, Mrs.SVL Sowjanya Nukala ,attended FDP in **Outcome based education & NBA Accreditation for Tier II colleges** in Sagi Rama Krishnam Raju Engineering College (AUTONOMOUS) Bhimavaram from 29/03/2021 To 03/04/2021.
- Mr.V. Balaji , Mrs.P.Abhigna , Mr. G S Babu , . Mr.S. Appa Rao , . Mrs.B. Sri Devi , Mr.G. Koteswara Rao attended FDP in **Arduino** in Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology Vijayawada from 26/04/2021 To 30/04/2021.
- Mr. K Surya Satish Kumar, Mr.K.P. Mani,. Mr. K. Ram babu ,Mrs.B. Sri Devi,Mrs.P.B. Swathi,Mr.Ch.V. Krishnam Raju , Mr.V. Balaji attended FDP in **Emerging Trends in Artificial Intelligence** Bhimavaram Institute of Engineering & Technology Bhimavaram 25/05/2021 To 31/05/2021.

EVENTS PARTICIPATED –STUDENTS

- Chitikina Dedeepya participated Online Quiz on Electronics Ciruits in Sri Bharati Engineering College for Women Pudukkorai on 17-04-2021.
- Gopu Mounika participated Online Quiz on Electronics Ciruits in Sri Bharati Engineering College for Women Pudukkorai on 17-04-2021.
- K Akhila participated Online Quiz on Electronics Ciruits in Sri Bharati Engineering

College for Women Pudukkorai on 17-04-2021.

- Koka VishnuSai participated Online Quiz on Electronics Ciruits in Sri Bharati Engineering College for Women Pudukkorai on 17-04-2021.
- Kudipudi Renuka participated Online Quiz on Electronics Ciruits in Sri Bharati Engineering College for Women Pudukkorai on 17-04-2021.
- Nakka SaiLakshmi participated Online Quiz on Electronics Ciruits in Sri Bharati Engineering College for Women Pudukkorai on 17-04-2021.
- Mopidevi Balaji participated Online Training Program on Python Programming in APSSDC from 17-05-2021 to 05-06-2021.
- Saivara Prasad Garigipatti Online Training Program on Embedded Systems in APSSDC from 17-05-2021 to 05- 06-2021.
- Ainavalli Mani Sankar participated Online Training Program on Embedded Systems in APSSDC from 17-05-2021 to 05-06-2021

PLACEMENTS

- 59 students have been selected for the academic year 2017-21 In various MNC companies with high package of 5.9 LPA

HIGHER EDUCATION

- 3 students from batch 2017-21 have opted for Higher Education

| S. No | Name of the Students | Roll No | Name of the Degree | Institute/ University | Entrance Exam |
|--------------|--|----------------|--|-----------------------------------|----------------------|
| 1 | Uppanapalli Sravan Lakshmi Radhika | 179P1A0484 | Masters in Computer and Information Sciences Spring 2022 | Texas Tech University (TTU) | GR, IELTS |
| 2 | Bosetti Sai Ram | 189P5A0408 | M. Tech | DNRCET, | APPGECET |

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|---|--------------------------------|------------|-------------------|-----------------------|----------|
| | | | (DECS) | Bhimavaram | |
| 3 | Pampana Narasimha Murthy | 189P5A0423 | M. Tech (DECS) | DNRCET, Bhimavaram | APPGECET |