

Date	September 6, 2024 (Friday)
Time	06:00 PM – 08:00 PM
Speaker	Dr. Gopi Battineni, Ph.D.
Venue	Virtual Platform
Participants	106 (Students and Faculty)

The lecture also featured an interactive question-and-answer session where participants discussed research paper organization, journal publication strategies, and academic writing practices. The event concluded with a vote of thanks, and e-certificates were distributed to all participants.



IEEE
HYDERABAD SECTION



IEEE
GUNTUR SUB SECTION

Signal Processing and Communications Joint Societies Student Branch Chapter

Guest Lecture



The Art of Research Writing and Effective Articulation

Dr. Gopi Battineni

Post-doctoral Researcher
Clinical Research Centre
University of Camerino
Italy

Topics to be covered

- Organize your research with a clear flow.
- Write concisely and precisely.
- Cite sources correctly.
- Revise for clarity and coherence.

Time: 06.00 to 08.00 PM
Date: 06.09.2024 (Friday)

Register → <https://forms.gle/T6iK8FVQMqWbqjM17>

Free!

No Registration Cost!!

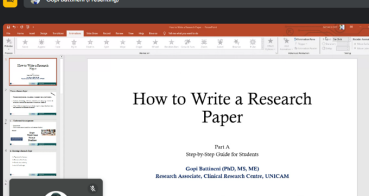
e-certificate will be provided

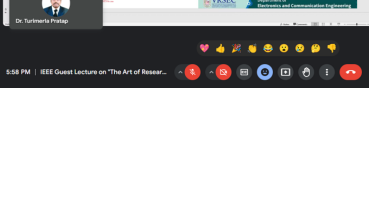
Department of Electronics and Communication Engineering



VRSCE
VELAMURI RAMAKRISHNA SRI ENGINEERING COLLEGE
VADAPALLE

Department of Electronics and Communication Engineering





Event 2: The Art of Image Processing: A MATLAB-Based Competition

Event Dates	09–15 September 2024
Organized By	IEEE Student Branch (STB64285) in collaboration with IEEE Signal Processing and Communications Societies Joint Chapter
Participants	182 Students (187 Registrations)
Rounds	Online Quiz and MATLAB Coding Challenge
Prize Distribution	15 September 2024 (Engineers' Day Celebration)

The IEEE Student Branch (STB64285), Department of Electronics and Communication Engineering, organized “*The Art of Image Processing: A MATLAB-Based Competition*” with the objective of enhancing students’ knowledge of digital image processing concepts and improving their MATLAB programming skills through a competitive learning environment.

The competition was conducted in two phases. The preliminary round comprised an online multiple-choice quiz designed to assess the participants’ understanding of fundamental image processing concepts. Based on their performance, the top 51 students qualified for the second round, which involved solving practical MATLAB-based image processing problems. Participants implemented algorithms related to image convolution, filtering, interpolation, enhancement, and other fundamental operations while demonstrating coding efficiency and problem-solving skills.

The event received an overwhelming response from students across different years of the Department of Electronics and Communication Engineering, with 187 registrations and 182 active participants. The competition promoted analytical thinking, programming proficiency, innovation, and teamwork while encouraging students to apply classroom concepts to practical engineering problems.

The winners were selected based on the correctness of their solutions, code quality, documentation, innovation, and timely submission. Cash prizes were awarded to the top three performers during the Engineers’ Day celebrations held on 15 September 2024. The competition also coincided with the inauguration of the IEEE Signal Processing and Communications Societies Joint Chapter, making it a memorable occasion for both students and faculty members.

Prize Winners

First Prize	Maruprolu Venkata Karthik Reddy (Rs. 1500)
Second Prize	Pathan Mujahid (Rs. 1000)
Third Prize	K. Kaveri (Rs. 500)

DEPARTMENT OF ECE

Announcement

As per the directions of the Head of the Department, the Department of Electronics and Communication Engineering (ECE) is hosting an event titled "The Art of Image Processing: A MATLAB-based Competition" on behalf of IEEE SBC and the IEEE Signal Processing and Communications Societies Joint Chapter.

The competition will focus on fundamental image processing techniques, and the top 3 winners will be awarded:

First Prize: ₹1500 Second Prize: ₹1000 Third Prize: ₹500

Who can Participate: **II, III, IV ECE Students only.**

Round 1: Preliminary Quiz - Screening Round

Participants will begin with a **Multiple-Choice Quiz** to assess their basic knowledge of image processing.

Quiz Format:

- | | |
|---|---|
| <ul style="list-style-type: none"> • Type: MCQ, with 4 options per question. • Resources: Open book. • Selection: Choose the correct answer for each question. | <ul style="list-style-type: none"> • Format: Google Form link will be shared directly to the participants' email IDs. • Total Questions: 20 MCQs. • Duration: One hour. |
|---|---|

Date and Time: Monday, 09.09.2024, from 7:30 PM to 8:30 PM. (ONLINE)

Based on the results, the **top 40 students** will be selected for **Round 2**.

Round 2: Practical MATLAB Coding Challenge

In this round, participants will solve small-scale image processing problems using **MATLAB**. The focus will be on key concepts like image convolution, filtering, and interpolation, etc.

Task Details:

- **Problem Set:** Participants will be given a set of small problems related to image convolution, filtering, and interpolation, etc. (*The problem set will be shared directly to the participants' email ID.*)
- **Resources:** Students are allowed to search online for solutions and ideas to implement.
- **Requirements:** Provide a relevant MATLAB solution for each problem.
- **Problem Set Release:** **Monday Night (09.09.2024).** (only for students qualified Round-1)
- **Submission Deadline:** **Thursday, 12.09.2024, by 12:00 PM.** The submission link will be closed after this time.
- **Submission Rules:** Participants are allowed only **one-time submission**, so they must be cautious.

Evaluation Criteria:

- **Time of Submission:** Faster submissions score higher.
- **Innovation:** Creative or efficient solutions will earn bonus points.
- **Code Comments:** Clear and relevant comments addressing the problem-solving process.

Participants should ensure timely and well-thought-out submissions.

**** All the Best ****



Event 3: Inauguration of IEEE Signal Processing and Communications Societies Joint Chapter

Date	14 September 2024 (Engineers' Day Celebration)
Venue	ECE Seminar Hall, VRSEC, Vijayawada
Organized By	IEEE Student Branch (STB64285) in collaboration with the Department of ECE and IEEE Signal Processing Society Hyderabad Section
Chief Guests	Dr. Yarlagadda Padma Sai and Dr. Y. Vijayalata Reddy
Guest of Honour	Dr. Venkata Rao Dhulipalla, Head, Department of ECE

The IEEE Student Branch (STB64285), Department of Electronics and Communication Engineering, organized the inaugural ceremony of the *IEEE Signal Processing and Communications Societies Joint Chapter* on the occasion of Engineers' Day to establish a vibrant platform for technical learning, professional networking, and research activities in the domains of signal processing and communications.

The programme commenced with a prayer song followed by a welcome address by Dr. Turimerla Pratap, IEEE Student Branch Counsellor, who highlighted the importance of IEEE membership and the growing role of signal processing, communications, artificial intelligence, and the Internet of Things in modern engineering. The event also featured a floral tribute to Bharat Ratna Sir Mokshagundam Visvesvaraya in recognition of his remarkable contributions to engineering.

Dr. Yarlagadda Padma Sai delivered an inspiring keynote address on the applications of signal processing in healthcare and artificial intelligence, while Dr. Y. Vijayalata Reddy spoke about the numerous professional development opportunities offered through IEEE and encouraged students to actively participate in IEEE technical activities. During the programme, prizes were distributed to the winners of the MATLAB-based Image Processing Competition conducted by the department.

The inauguration marked a significant milestone for the institution by strengthening collaboration among students, faculty members, researchers, and industry professionals. The newly formed chapter is expected to promote interdisciplinary research, organize advanced technical events, and encourage students to actively contribute to IEEE activities at the national and international levels.

