

ELECTRONICS AND COMMUNICATION ENGINEERING

Proudly Presents

ECE BUZZ

NEWSLETTER

JUNE 2022 ISSUE 01

VISION AND MISSION

VISION OF THE INSTITUTION

Transform lives through Education and Research

MISSION OF THE INSTITUTION

To impart quality education to students through critical thinking, creativity, leadership and the spirit of entrepreneurship

VALUES OF THE INSTITUTION

We develop in each member the ability and passion to work effectively for the betterment of humanity with cultural awareness, high ethical and moral values and a sense of social responsibility

DEPARTMENT VISION

To produce globally competent Electronics and Communication Engineers.

DEPARTMENT MISSION

M1 : To Impart Value-based Technical Education with a state of art technologies to meet industry standards.

M2 : To foster critical thinking and creativity through research and experimentation.

M3 : To prepare our students to be a lifetime professional with Creativity and Leadership.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1 - Shall pursue higher education and research, or have a successful career in industries or as entrepreneurs.

PEO 2 - Shall have the ability and attitude to adapt to emerging technological changes.

PEO 3 - Shall exhibit leadership abilities, professional ethics, communication skills, interpersonal skills and life-long learning.

PROGRAM OUTCOMES (POs)

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: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

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 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 and responsibilities and norms of the engineering practice.

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

PO10 – Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

PROGRAM SPECIFIC OBJECTIVE (PSOs)

Students of the Electronics and Communication Engineering Program

PSO 1 – Shall have Potential to analyze, design, synthesize and provide technical solutions in the field of VLSI, Embedded Systems, Communication, Networking and Real Time Processing.

PSO 2 – Shall exhibit leadership skills and pursue entrepreneurship and contribute in the field of Electronics and Communication Engineering.

CEO'S ADDRESS



SHRI.B.PRATIVE CHEND

As a CEO of the this Institute, I want to take a moment to recognize and celebrate the incredible efforts of both our students and staff. Your dedication and hard work are what drive our success and innovation. Students, your enthusiasm and creativity push the boundaries of what's possible, while staff members, your support and guidance are invaluable.

Let's continue to inspire each other and work together towards achieving even greater milestones..

Best Wishes

PRINCIPAL 'S ADDRESS



DR.S.SHANTHI

I am excited to share that our Electronics and Communication Engineering department is making significant strides this term. We've introduced new initiatives, including industry partnerships and innovative projects, to enrich our students' learning experiences.

Our faculty's dedication to excellence continues to drive us forward, and we look forward to seeing our students excel and engage with the latest technologies. Thank you for your support and enthusiasm as we advance together in this dynamic field.

Best Wishes

HOD'S ADDRESS



Dr. J. JEYARANI

As we embark on a new term at the Electronics and Communication Engineering department, I am thrilled to highlight some exciting developments. This semester, we are introducing innovative projects and strengthening our industry connections to provide our students with cutting-edge learning experiences.

Our team remains dedicated to fostering an environment where creativity and technical skills thrive. I encourage everyone to engage actively in our upcoming events and initiatives.

Best Wishes

SECOND NATIONAL CONFERENCE


CARE
COLLEGE OF ENGINEERING
(Approved with AICTE, New Delhi & Affiliated to Anna University, Chennai)

National Conference
On
**Emerging Trends in Information and Communication
Engineering
(NCETICE'22)**
(May 6th - 7th, 2022)
Organized by
Department of Electronics & Communication Engineering

IMPORTANT DATES

- Last date for submission of full paper with Abstract: 25.04. 2022
- Notification of acceptance: 30.04.2022
- Last date of Registration (Online): 02.05.2022

REGISTRATION DETAILS
The Registration fees are as follow

- For UG/IEEE Member:Rs:500
- For PG/Non-IEEE Members, Research Scholars &Industrial persons: Rs:500

Payment should be done through online on Favor of:

Name: J.JECINTHA
Account Number: 7013861681
Bank: Indian Bank
IFSC code: IDIB000T027
UPI Payment Number: 8825748719

REGISTRATION LINK:
<https://bit.ly/36T7yRp>

CONTACT
Ms. R.Vanitha, Assistant Professor
Department of ECE
CARE College of Engineering,
#27, Thayanur village,
Trichy - 620 009
Contact number: 8220681142, 8344898019
Email id:vanithar@care.ac.in

We have successfully completed our Second National Conference on Emerging Trends in Information and Communication Engineering (NCETICE'22) today, organized by Department of ECE, CARE College of Engineering, Trichy, India.

Chief guest Dr. Vanidevi, Assistant Professor, IIST, Thiruvanthapuram delivered wonderful lecture on MIMO, RADARS and military supported antenna systems.



NATIONAL GIRL CHILD DAY

Women Empowerment cell of CARE College of Engineering organized the National Girl Child Day Celebrations on 24th January 2022, through the online mode. The event is organized for the girl students of CARE to address the challenges girls face and to promote girls' empowerment and the fulfillment of their human rights.

“Give the Girl Child, Wings to Fly, Let her blossom and touch the Sky” was the key motivation of this event.

More than 50 students from various departments attended and shared their wishes and views on women empowerment.



CARE COLLEGE OF ENGINEERING
(Approved by AICTE, Affiliated to Anna University)
No. 27, Thayanur, Trichy - 620 009

NATIONAL GIRL CHILD DAY

Happy National Girl Child Day



Chief Guest
Dr.S.Shanthi
Principal
CARE College of Engineering

See you at
24th January 2022
@11.00 AM
Via Google meet

Welcome you All

ORGANISED BY
CARE WOMEN EMPOWERMENT CELL



INTELLECTUAL PROPERTY RIGHTS

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


Cordially invites you for the

SEMINAR ON

INTELLECTUAL PROPERTY RIGHTS

RESOURCE PERSON

MS. V. KAVITHA,
Women Scientist,
Kiran IPR (11th batch),
Patent Analyst,
Maxval IP Services Pvt. Ltd.,



DATE : 06.04.2022
TIME : 3 PM ONWARDS

The Department of Electronics & Communication Engineering is proudly organizing an awareness seminar “Intellectual Property Rights” on 06/04/2022 at 3.00PM for the students and faculty of ECE. .



INFORMATION THEORY



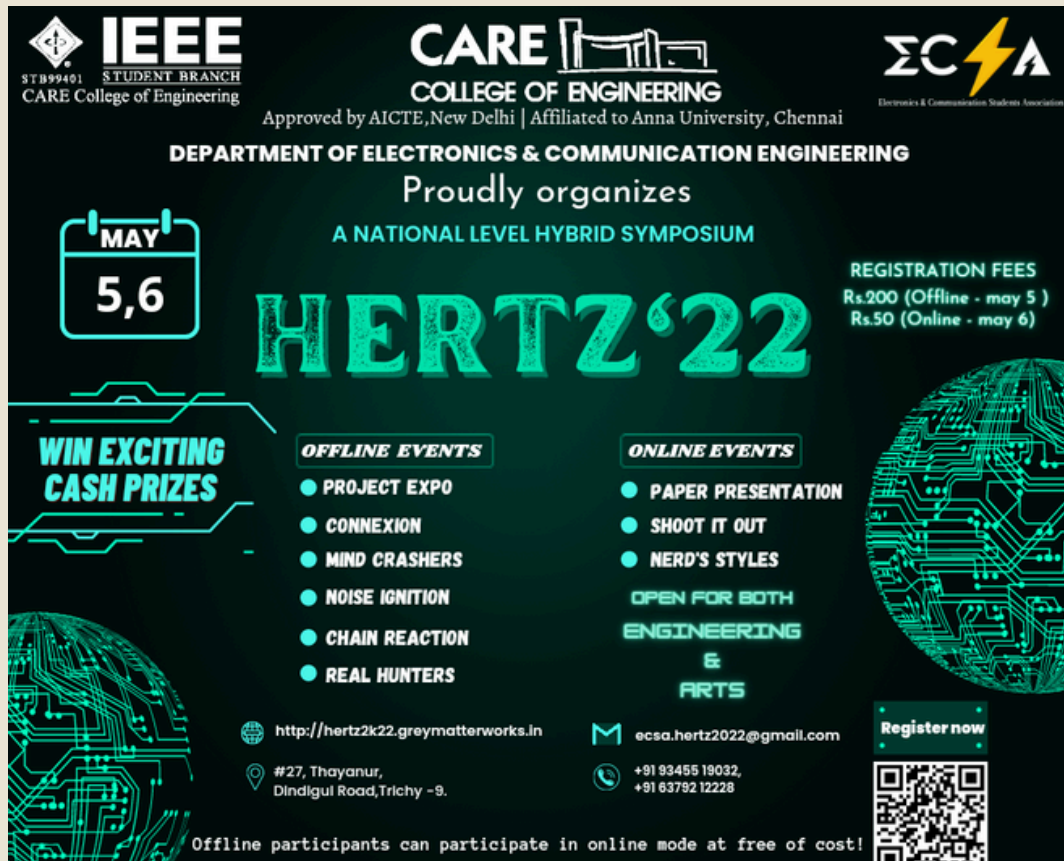
Department of ECE in association with CARE NDLI Club organized a Webinar on “Random Process in Information Theory” as a part of the workshop on 28/04/22. Resource Person Dr. K.Muthulakshmi, Professor/ECE, Dr.NGP Institute of Technology, Coimbatore delivered a wonderful lecture on the title Random process and explained the types, sources with examples.

She explained the stochastic process with derivations and explained concepts using interesting videos. The topics of interest are variance, mean, correlation, co variance explained in a simple manner and students enjoyed the class with understanding.

Afternoon sessions were handled by the department faculties Dr.J.Jeyarani, Mrs.R.Vanitha, Mrs.R.Deepalakshmi and Mrs.M.Shivashankari on the recent topics on Information theory.



HERTZ'22



The poster for HERTZ'22 features a dark background with glowing green circuit patterns. At the top left is the IEEE logo with 'ST B99401 STUDENT BRANCH CARE College of Engineering'. In the center is the CARE College of Engineering logo, 'Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai'. At the top right is the ECASA logo. Below these is the text 'DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING Proudly organizes A NATIONAL LEVEL HYBRID SYMPOSIUM'. A calendar icon shows 'MAY 5,6'. The title 'HERTZ'22' is in large, bold, glowing green letters. To the right, 'REGISTRATION FEES' are listed: 'Rs.200 (Offline - may 5)' and 'Rs.50 (Online - may 6)'. A 'WIN EXCITING CASH PRIZES' banner is on the left. Two columns of events are listed: 'OFFLINE EVENTS' (PROJECT EXPO, CONNEXION, MIND CRASHERS, NOISE IGNITION, CHAIN REACTION, REAL HUNTERS) and 'ONLINE EVENTS' (PAPER PRESENTATION, SHOOT IT OUT, NERD'S STYLES). Below these is 'OPEN FOR BOTH ENGINEERING & ARTS'. Contact information includes a website, email, and phone numbers. A QR code and 'Register now' button are at the bottom right. A note at the bottom states: 'Offline participants can participate in online mode at free of cost!'.

IEEE
ST B99401 STUDENT BRANCH
CARE College of Engineering

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ECASA
Electronics & Communication Students Association

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
Proudly organizes
A NATIONAL LEVEL HYBRID SYMPOSIUM

MAY
5,6

HERTZ'22

REGISTRATION FEES
Rs.200 (Offline - may 5)
Rs.50 (Online - may 6)

WIN EXCITING CASH PRIZES

OFFLINE EVENTS

- PROJECT EXPO
- CONNEXION
- MIND CRASHERS
- NOISE IGNITION
- CHAIN REACTION
- REAL HUNTERS

ONLINE EVENTS

- PAPER PRESENTATION
- SHOOT IT OUT
- NERD'S STYLES

OPEN FOR BOTH
ENGINEERING
&
ARTS

<http://hertz2k22.greymatterworks.in>

#27, Thayanur,
Dindigul Road, Trichy -9.

ecsa.hertz2022@gmail.com

+91 83455 18032,
+91 83792 12228

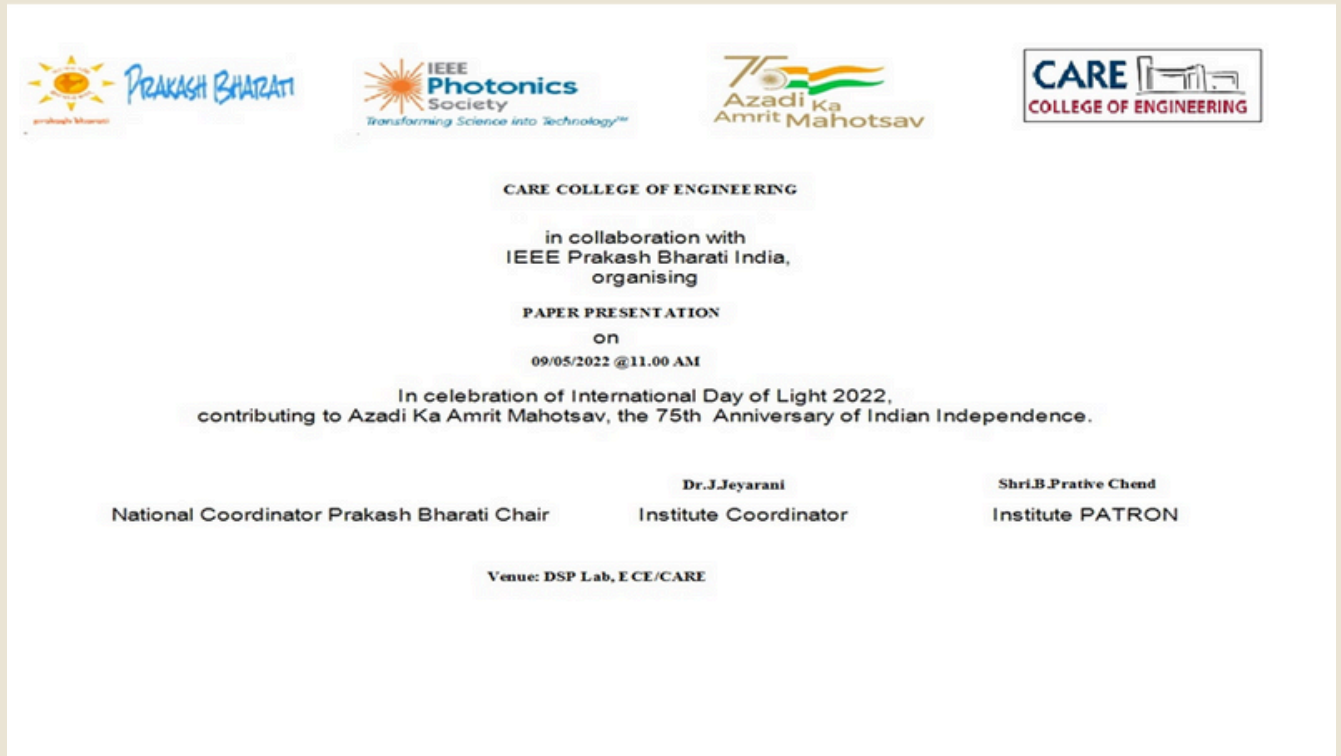
Register now

Offline participants can participate in online mode at free of cost!

Department of ECE and Student Association (ECSA) organized National Level Hybrid Symposium on 5&6th May, 2022 for the academic year of 2021-22 through the offline mode and online mode.

The chief guest for the event was Ms.K.Gaja Priya, SR Talent Acquisition Specialist, MST Solutions. We Got 335 registrations for both online & offline, a great count, and also we received more than 80 papers. We got papers from the people who are mostly in final year explaining their projects. This online platform enabled that participants from Christ University, Bangalore and best papers from Karmaveer Baburao Ganpatrao Thakare College of engineering ,Nashik, Maharashtra .

INTERNATIONAL DAY OF LIGHT



To celebrate International Day of Light 2022, contributing to Azadi Ka Amrit Mahotsav, 75th anniversary of Indian Independence, IEEE Prakash Bharati proposed conducting events in collaboration with Indian institutions working in the Photonics domain.

We have successfully completed the event PAPER PRESENTATION on different topics on the theme of light day and Photonics. The event was organized by the Department of ECE, CARE College of Engineering, Trichy, India on 09/05/22 by 11.00 AM @ DSP lab. All the third ECE students presented papers relevant to photonics and optics.

This event provided a platform to bring together the various topics to be explored by the students to pursue their higher studies and research. Before the event, Dr. J. Jeyarani, HoD/ECE explained the basics of optics and photonics and insisted on the importance of learning the subject so as to get placements.

