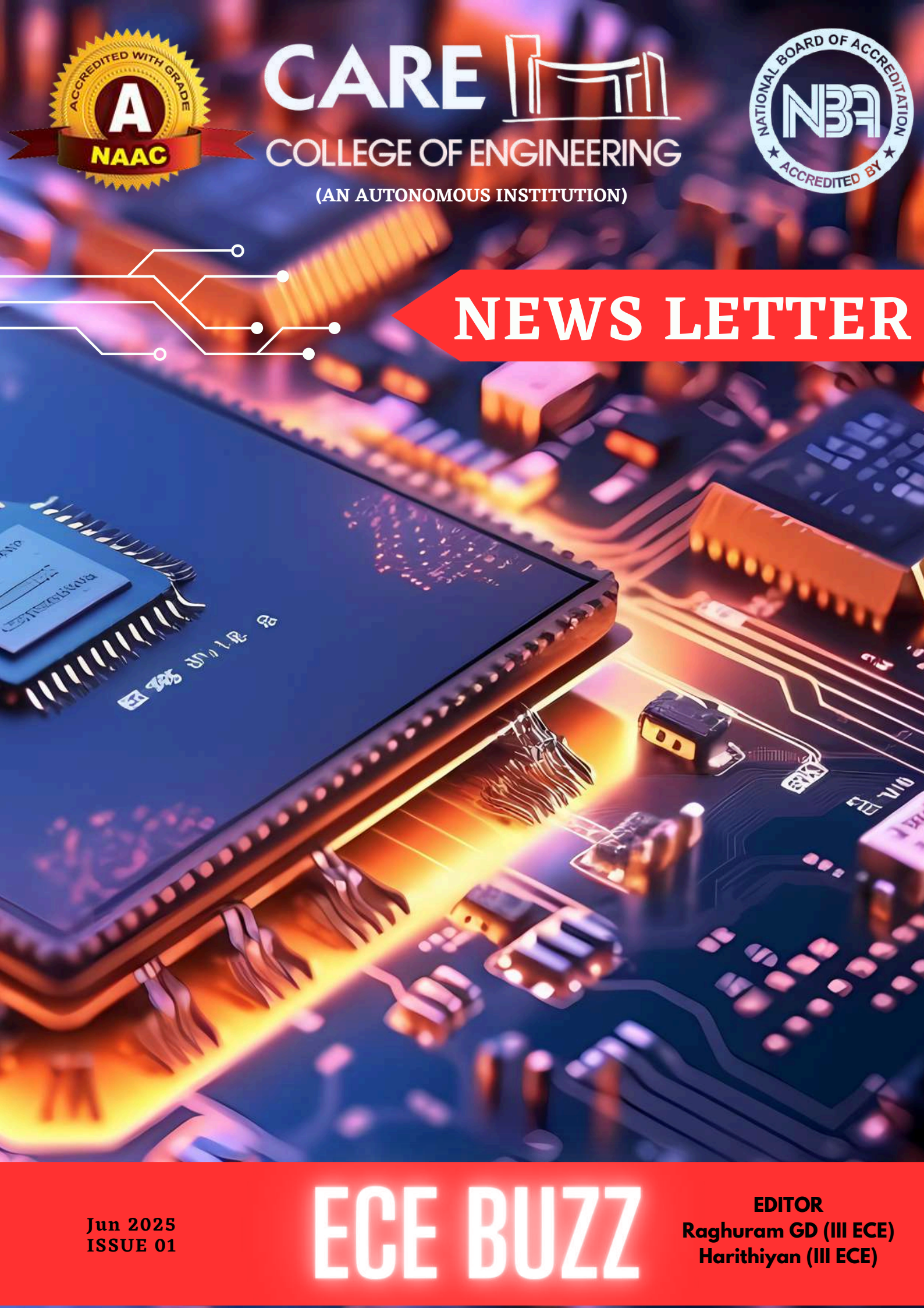




**CARE**   
**COLLEGE OF ENGINEERING**  
(AN AUTONOMOUS INSTITUTION)



# NEWS LETTER



Jun 2025  
ISSUE 01

# ECE BUZZ

**EDITOR**  
Raghuram GD (III ECE)  
Harithyan (III ECE)

# 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.

## Knowledge and Attitude Profile & Program Outcomes

### Knowledge and Attitude Profile (WK)

**WK1 (Natural Science):** A systematic, theory-based understanding of the natural sciences applicable to the discipline and awareness of relevant social sciences

**WK2 (Mathematics and Modelling):** Conceptually-based mathematics, numerical analysis, data analysis, statistics and formal aspects of computer and information science to support detailed analysis and modelling applicable to the discipline.

**WK3 (Engineering Fundamentals):** A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline.

**WK4 (Engineering Specialization):** Engineering specialist knowledge that provides theoretical frameworks and bodies of knowledge for the accepted practice areas in the engineering discipline; much is at the forefront of the discipline.

**WK5 (Environmental impact on design and practice):** Knowledge, including efficient resource use, environmental impacts, whole-life cost, reuse of resources, net zero carbon, and similar concepts, that supports engineering design and operations in a practice area.

**WK6 (Newer Practical Knowledge):** Knowledge of engineering practice (technology) in the practice areas in the engineering discipline.

**WK7 (Engineer role and responsibility in Society):** Knowledge of the role of engineering in society and identified issues in engineering practice in the discipline, such as the professional responsibility of an engineer to public safety and sustainable development.

**WK8 (Critical Thinking and Creativity):** Engagement with selected knowledge in the current research literature of the discipline, awareness of the power of critical thinking and creative approaches to evaluate emerging issues.

**WK9 (Ethics and Diversity):** Ethics, inclusive behavior and conduct. Knowledge of professional ethics, responsibilities, and norms of engineering practice. Awareness of the need for diversity by reason of ethnicity, gender, age, physical ability etc. with mutual understanding and respect, and of inclusive attitudes.

## 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 knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 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. (WK1 to WK4)

**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. (WK5)

**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. (WK8).

**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. (WK2 and WK6)

**PO6 The Engineer and the World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7)

**PO7 Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

**PO8 Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams

**PO9 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

**PO10 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.

**PO11 Life-Long Learning:** Recognize the need for, and have the preparation and ability for

- (i) independent and life-long learning
- (ii) adaptability to new and emerging technologies and
- (iii) critical thinking in the broadest context of technological change

(WK8)

## **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.

# PRINCIPAL'S

## MESSAGE

Dr.S.Shanthi M.E, Ph.D



**“ ALL OUR  
DREAMS CAN  
COMES TRUE IF  
WE HAVE THE  
COURAGE TO  
PURSUE THEM”**

**As we begin a new semester at CARE College of Engineering, I feel proud and hopeful about the journey ahead. Each term brings new opportunities to learn, grow, and innovate. This semester, I encourage every student to take part in the many activities, workshops, and projects planned. Your energy, ideas, and dedication are what make our campus vibrant. Let's continue working together to build a strong, united community of learners and leaders. Wishing you a successful and inspiring semester ahead!**



# HOD'S MESSAGE

**DR.J.JEYARANI M.E,PH.D**

As we step into a new academic term in the Electronics and Communication Engineering (ECE) department, I am filled with pride and anticipation. Our department continues to be a center of innovation, blending strong academic foundations with real-world applications. This semester, we look forward to introducing updated courses, hands-on projects, and industry collaborations that will enrich your learning experience. Our faculty is committed to guiding and supporting you every step of the way. Let's work together to embrace challenges, explore new ideas, and make meaningful progress in the field of electronics and communication. Wishing you all a successful and inspiring semester ahead!

As we embark on a new academic term at the Electronics and Communication Engineering (ECE) department, I am both excited and optimistic about the opportunities and challenges that lie ahead. Our department continues to be a dynamic and innovative hub, dedicated to advancing the field of electronics and communication and providing our students with a comprehensive and forward-thinking education.

# AICTE IDEA Lab Scheme

**CARE College of Engineering Secures Provisional Selection Under the Prestigious AICTE IDEA Lab Scheme (2024-2025)**

**We are thrilled to announce that CARE College of Engineering has achieved Provisional Selection under the esteemed AICTE IDEA Lab Scheme (Idea Development, Evaluation & Application) for the academic year 2024-2025!**

**CARE** COLLEGE OF ENGINEERING  
(An Autonomous Institution)

Accredited by **NBA**  
NATIONAL BOARD OF ACCREDITATION  
(COLLEGE ENGINEERING)

Accredited with Grade **A**  
**NAAC**

**CARE College of Engineering**  
secures Provisional Selection under the Prestigious

**AICTE IDEA Lab Scheme**  
(Idea Development, Evaluation & Application)  
**2024-2025**  
With a Funding Value of  
**Rs. 1.1 Crore !**  
(One Crore and Ten Lakhs)

## Highlights:

- **Funding Value: ₹1.1 Crore**
- **Objective: To foster innovation, creativity, and hands-on learning for students and faculty through cutting-edge infrastructure and resources.**

## Key Team Members:

- **Chief Mentor: Dr. S. Shanthi, Principal**
- **Faculty Coordinator: Dr. J. Jeyarani, Dean – IQAC**
- **Faculty Co-Coordinator: Ms. R. Vanitha, Assistant Professor, ECE**

**This remarkable achievement underscores our commitment to advancing education and innovation.**

**Congratulations to the entire team and stakeholders who contributed to this milestone!**

**Stay tuned for updates on the implementation and activities of the IDEA Lab.**

**CONGRATULATIONS**

**100% PLACEMENT  
IN ECE**

**BATCH  
2021-2025**

**CARE**   
COLLEGE OF ENGINEERING  
(An Autonomous Institution)

DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING

Congratulations on your well-deserved placement

**100% PLACEMENT**

- 5 - Students Placed in vdart 
- 4 - Students Placed in Anand Engg products (p) Ltd 
- 11 - Students Placed in Delphi TVS 
- 1 - Student Placed in Glowlogics Solution 
- 12 - Students Placed in SS Group of companies 

12 Students Secured Multiple job offers

HIGHEST CTC - 5.2 LPA

# ECE 100% PLACEMENT ACHIEVED!

The Department of Electronics and Communication Engineering at CARE College of Engineering (an autonomous institution) proudly celebrates a remarkable milestone with 100% placement for its graduating batch. With unwavering dedication and industry-focused training, the department has successfully placed students in esteemed companies such as Vdart (5 students), Anand Engineering Products Pvt. Ltd. (4 students), Delphi TVS Technologies (11 students), Glowlogics Solutions (1 student), and SS Group of Companies (12 students). A notable highlight is that 12 students secured multiple job offers, showcasing the diverse opportunities and industry relevance the students possess. The highest offer extended reached an impressive 5.2 LPA, reflecting the growing demand for skilled ECE graduates. This achievement stands as a testament to the department's commitment to academic excellence, hands-on training, and holistic student development.

# ANNUAL SPORTS MEET 2025

**The Annual Sports Meet 2025 for the Academic Year 2024-25 inaugurated by Dr. S. Shanthi, Principal, CARE College of Engineering on 29.01.2025. Faculties and Students participated in various sports events such as Cricket, Table Tennis, Tennikoit, Badminton, Kabadi etc., The events scheduled from 29.01.2024 to 14.02.2024.**



# Career Guidance & Job Opportunities in Tamil Nadu

The Higher Education Guidance Cell of CARE College of Engineering is organizing an insightful session on “Career Guidance & Job Opportunities in Tamil Nadu”, aimed at equipping students with essential knowledge and direction for their future career paths. This event will provide valuable perspectives on the employment landscape in the state, empowering students to make informed decisions about their professional journey. We are honored to welcome Tmt. J. Maharani, Deputy Director, District Employment and Career Guidance Centre, Trichy, as the Chief Guest for this occasion. With her vast experience and deep understanding of career trends and opportunities within Tamil Nadu, her presence will undoubtedly enrich the session and inspire our students to align their aspirations with the evolving job market.



**CARE** COLLEGE OF ENGINEERING  
(An Autonomous Institution)

Approved by AICTE | Affiliated to Anna University, Chennai  
Accredited by NAAC with 'A' Grade  
#27,Thayanur,Tiruchirappalli-620 009

**Higher Education Guidance Cell**  
organizes  
A Session  
on  
**CARRER GUIDANCE**  
&  
**JOB OPPORTUNITIES**  
**IN TAMILNADU**

Chief Guest  
**Tmt. J. Maharani**  
Deputy Director  
District Employment and Career Guidance Centre  
Trichy

 13.02.2025 @ 3.30 PM

 **Fulcrum Hall**  
#27,Thayanur,Dindigul NH,Trichy-620009 | care.ac.in

# 24 HOURS NATIONAL LEVEL HACKATHON'25

National Level 24 Hours Hackathon on 14/03/2025 & 15/03/2025

The Institution's Innovation Council IIC-CARE is organizing a National Level Hackathon on 14th March & 15th March 2025, providing a great platform for innovators, developers, and problem-solvers to showcase their skills and creativity.

Organized by : CARE College of Engineering, Trichy

Themes:

- Agriculture & Rural Development
- AI for Better World
- Automation & Smart Industries
- Health Tech
- Smart Cities & IoT.

Register at : [Google form](#)

The three best-performing teams will be selected and awarded prizes along with certificates of excellence.

The prizes are as follows:

- 1st Place – ₹25,000
- 2nd Place – ₹15,000
- 3rd Place—₹10,000

**CARE**  
COLLEGE OF ENGINEERING  
(An Autonomous Institution)

INSTITUTION'S INNOVATION COUNCIL  
IIC-CARE  
CONDUCTS  
A NATIONAL LEVEL  
**HACKATHON**  
"HACK, CREATE, ELEVATE."  
THEMES

- ▶ Agriculture, Food Tech & Rural Development
- ▶ AI for Better world
- ▶ Automation & Smart Industries
- ▶ Health Tech
- ▶ Smart Cities & IoT

**PRIZES**  
₹25000  
₹15000  
₹10000

**REGISTRATION FEE**  
₹ 300 per team

**TEAM**  
4

**PRELIMS:**  
ONLINE: 07/03/2025  
**FINALE:**  
OFFLINE: 14/03/2025  
&  
24 HOURS 15/03/2025

**STAFF COORDINATOR**  
Mr. S. ARUN PRAKASH  
IIC-CARE PRESIDENT  
PH: +91 7639561123

**STUDENT COORDINATOR**  
Mr. S. EDWIN ROSHAN  
STARTUP COORDINATOR  
III-YEAR MECH  
PH: +91 9948865365

**Ms. G. MAHALAKSHMI**  
INNOVATION COORDINATOR  
III-YEAR AIGDS  
PH: +91 9597812209

**To Register**

[care.school.of.engineering](#) [care.ac.in](#) [care.college.of.engineering](#)

# **STTP on Future-Ready Antenna Design: Cutting-Edge Solutions for 6G and Beyond**

**5-Days STTP on Future-Ready Antenna Design: Cutting-Edge Solutions for 6G and Beyond**

- **Date: 21st – 25th April 2025**
- **Venue: CARE College of Engineering, Trichy**

**About the Workshop:**

**Explore the latest advancements in antenna technology for 6G and beyond! Gain hands-on experience with CST & HFSS simulation tools and learn about THz communication, AI-driven antenna design, RIS technology, and Metamaterials.**

**Key Topics Covered:**

- **6G Antenna Design: Challenges & Opportunities**
- **Reconfigurable Intelligent Surfaces (RIS)**
- **Terahertz (THz) Communication**
- **AI-Optimized Antennas & Metamaterials**
- **Hands-on Simulation & Industry Applications**

**Who Can Attend?**

- **Industry Professionals**
- **Faculty Members**
- **Research Scholars**
- **UG & PG Students**

**Registration Details:**

- **Fee: Rs . 200**
- **Register Here: [Click to Register](#)**

**Benefits:**

- **Learn from industry experts**
- **Hands-on training with cutting-edge tools**
- **Networking opportunities**
- **Certificate of participation**

# Alumni Induction Ceremony

**CARE**   
COLLEGE OF ENGINEERING  
(An Autonomous Institution)

# ALUMNI

## Induction Ceremony

Batch : 2019-23 & 2020-24

**22<sup>nd</sup> MARCH**  
**2.30 PM ONWARDS**

Celebrating the achievements of our  
**ALUMNI COMMUNITY**

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# 13TH GRADUATION DAY

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**The 13th Graduation Day of CARE Group of Institutions was held on 22.03.2025 with great enthusiasm and pride. Mr. Muthu Ramalingam, Founder & CEO of DexPatent and HelloLeads, graced the occasion as the chief guest and delivered an inspiring address to the graduating students. He emphasized the importance of continuous learning, innovation, and adaptability in today's fast-evolving technological landscape. Faculty members, parents, and dignitaries were present to celebrate the achievements of the students and encourage them as they embark on their professional journeys.**

# Online Workshop on “IPR & Patent and Design Filing”

#27, Thayanur, Tiruchirappalli - 620009

**Institution's Innovation Council  
&  
Department of Mechanical Engineering**  
In association with  
Rajiv Gandhi National Institute of Intellectual Property Management  
(RGNIIPM)  
Government of India, Nagpur  
(Under National Intellectual Property Awareness Mission)

**Cordially Invites for the**

**Online Workshop on Intellectual Property Rights (IPR) & Patents  
&  
Design filling**

Date : 19-02-2025      venue : Engg seminar hall  
Time : 11 : 00 am      Mode : Webex ( Online )

Join using link / QR code

[https://rgnipmipetraininginstitute.webex.com/rgnipmipetraininginstitute-j-ph?](https://rgnipmipetraininginstitute.webex.com/rgnipmipetraininginstitute-j-ph?MTD=ad9bc12a71fb21d2b10fc31ad6063a2b)  
MTD=ad9bc12a71fb21d2b10fc31ad6063a2b



**Resource person**  
**Mr. Shri Kumar Raju**  
Assistant Controller of Patents & Designs  
RGNIIPM  
Nagpur

**Coordinators**  
Mr. S.Arun Prakash AP/ Mechanical  
Mr. A.P. Ragnath AP/Mechanical

Highlights of workshop	Target Audience
<ul style="list-style-type: none"><li>• IPR</li><li>• Patent</li><li>• Trademark</li><li>• IP Design filing</li></ul>	<ul style="list-style-type: none"><li>• Students</li><li>• Academicians</li><li>• Research scholars</li><li>• Industry Professionals</li></ul>

★ **E-Certificate will be provided.** ★  
**after entering Feedback**

The Institution's Innovation Council (IIC) and the Department of Mechanical Engineering at CARE College of Engineering successfully organized an Online Workshop on “IPR & Patent and Design Filing” on 19th February 2025 in virtual mode via Webex.

The event commenced with a Welcome Address by Mr. Rilvan Ahamed a second year student of Mechanical, followed by an Inaugural Address by Dr. D.R. Rajkumar, Associate Professor.

The workshop featured Shri Kumar Raju, Assistant Controller of Patents & Designs at RGNIIPM, Nagpur, as the resource person. He provided valuable insights into Intellectual Property Rights (IPRs), patents, and design filing, emphasizing their significance in fostering innovation and protecting intellectual assets.

# PHOENIX 2025



Phoenix is our vibrant intra-college cultural festival that celebrates the talent, spirit, and creativity of our students. Held on 29.03.2025, the event brought together a colorful mix of music, dance, drama, fashion, and fine arts, offering a platform for everyone to showcase their flair. With exciting competitions and energetic performances, Phoenix lit up the campus with enthusiasm and unity, truly living up to its name as a symbol of rebirth and passion.

# ALUMNI MEET 2025



**We are excited to share the success of the CARE Alumni Meet 2025 held on 26.04.2025 at CARE College of Engineering. It was a memorable day filled with laughter, connections, and wonderful moments!**

**A heartfelt thank you to all our dear alumni who took the time to join us, reconnect, and make this event truly special. Your presence made all the difference, and we look forward to welcoming you back again soon! 🌟**



# GUEST LECTURE ON COMMUNICATION SYSTEMS AND IOT



The Department of Electronics and Communication Engineering, in association with IEEE and IETE, organized a guest lecture on the course EC3491-Communication Systems on the topic “Communication Systems and IoT” on 15.04.2025. The session was led by Prakash V.Anandan, Head-Academic Solutions, Enthu Technology India Pvt. Ltd, Coimbatore. The speaker provided valuable insights into the evolution of communication systems from analog to 5G and beyond, the architecture and protocols of IoT, and real-world applications including smart cities, healthcare, and industrial automation. Students were introduced to the integration of IoT with communication systems and the challenges involved in implementing secure and efficient IoT networks.