

RSREC

# ELECTRON

Vol.2, Issue.3, SEPT.– DEC. 2025

A Newsletter of  
Department of ECE



**RAMIREDDY SUBBARAMI REDDY ENGINEERING COLLEGE**

**AN UGC AUTONOMOUS INSTITUTION**

Accredited with 'A' Grade (3.17/4.00) by NAAC | Approved by AICTE | Affiliated to JNTUA

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# THE BEACONS OF OUR COLLEGE



**Er. R. Pratap Kumar Reddy**  
**Founder & Chairman**



**Dr. K. Raja Reddy**  
**Director**



**Dr. P.V. Narayana Reddy**  
**Principal**



**Mr. R V Ramana Reddy**  
**Administrative Officer**

# ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE), established in 2008, offers a B.Tech course with an annual intake of 120 students. It is renowned for its highly qualified and experienced faculty, as well as its excellent infrastructural facilities. The department boasts well-equipped laboratories, audio-visual facilities, and cutting-edge software tools like MultiSim, ModelSim, MATLAB, IoT, and Xilinx. Committed to providing high-quality education, the department regularly organizes National level seminars, workshops, add-on courses, and guest lectures to enrich student learning. Faculty members stay updated with the latest technological advancements by participating in Faculty Development Programmes (FDPs), workshops, and international conferences. The department hosts research groups focused on areas such as digital signal and image processing, communication, VLSI design, embedded systems, and IoT. Accredited with an A grade by NAAC, the department strives for excellence in ECE through quality education, research, and innovation.

# FROM THE HOD DESK



***Prof. V. Suneel Reddy***

I am thrilled to introduce the fourth edition of our Departmental Newsletter (Volume 2, Issue 3) for the Department of Electronics and Communication Engineering (ECE). This publication is a testament to our unwavering commitment to excellence and innovation, showcasing the vibrant activities and remarkable achievements of our department from Sept to Dec 2025. This issue captures the essence of our collective spirit as we celebrate our faculty and students' dedication to cutting-edge research and meaningful community engagement. As we maintain our esteemed accreditation status, I am excited to share the highlights of our dynamic initiatives and commendable accomplishments, which truly reflect the buoyant energy that propels our department forward.

# FROM THE HOD DESK

The remarkable success of our department's recent activities is a testament to the collaborative spirit and dedication of both our faculty and students. The diverse range of events, including guest lectures, webinars, and specialized courses, has significantly enriched our academic environment by merging theoretical concepts with practical experiences.

These initiatives have not only enhanced our educational framework but also strengthened our sense of community, fostering an inclusive and supportive atmosphere. Our faculty, with their unwavering commitment and expertise, have been instrumental in guiding students through these enriching experiences. Meanwhile, our students' enthusiasm and eagerness to engage with these opportunities have highlighted their potential to drive innovation and progress within the field of Electrical and Communication Engineering (ECE). As we continue to move forward, it is essential to recognize and celebrate these collective achievements, which have set a strong foundation for future advancements and opportunities.

# FROM THE HOD DESK

**As the Head of the Department, I am honored to lead such a dynamic and forward-thinking community. I am confident that as we continue to embrace challenges, encourage innovation, and foster a culture of continuous learning, our department will scale new heights of success. Let us celebrate our achievements and look forward to creating more milestones together. This newsletter is a step towards chronicling our journey, sharing our stories, and inspiring each other to achieve greatness. I encourage all of you to contribute, participate, and engage with our departmental activities, as we strive to make our mark in the ever-evolving landscape of Electronics and Communication Engineering.**

**I look forward to the forthcoming editions, brimming with even more captivating activities and feature.**

**Warm regards,**

**Prof. V. Suneel Reddy**

**Head**

**Department of Electronics and Communication Engineering**

# FROM THE EDITORIAL DESK



***Dr. SHAIK RAHAMTULA***

The Department of Electronics and Communication Engineering at RSREC is thrilled to unveil the fourth edition of “ELECTRON,” our esteemed departmental newsletter. As technology continues its relentless march forward, progressing at an ever-increasing pace, we are committed to keeping pace with these advancements. Since the newsletter's inception, the editorial team of ELECTRON has been dedicated to offering a platform that not only aligns with but also champions the goals of technological advancement.

This edition promises to deliver insightful articles, cutting-edge research, and the latest developments in the field, ensuring that our readers remain at the forefront of innovation and knowledge. Whether you are a student, educator, or industry professional, we hope you find inspiration and value in the pages of ELECTRON.

# FROM THE EDITORIAL DESK

In today's fast-paced and competitive world, staying informed about emerging technologies is crucial. Our newsletter aims to illuminate these advancements while also emphasizing the role of talent in navigating this landscape. Talent, encompassing much more than innate ability, is often about possessing grit, discipline, and a positive attitude. It involves trusting oneself, embracing and loving the process, and effectively managing both life and self. An open mind and a willingness to build personal capital are equally important. While some individuals are naturally equipped with these traits, others cultivate them through effort and perseverance. Ultimately, focusing on these aspects can enhance personal growth, making individuals more attractive through their attitude and integrity rather than conventional standards.

Welcome to the Electronics and Communication Engineering department's newsletter. We're using this newsletter to stay in touch with our students, professors, and former students in a digital format.

The activities and accomplishments of the department will be highlighted in this newsletter. We would want to express our gratitude to every one of our faculty, staff, and students for your constant encouragement and support.



# CYBER SECURITY WORKSHOP



## Thinkinfo Expert Solutions

[ A Cyber Security Product And Consulting Company ]

The 10-Day Cyber Security Workshop (Sep 1–12, 2025) was successfully conducted at **RSR Engineering College, Kavali, Andhra Pradesh.**

Visit Our Website

Contact Us →



Call Us  
+91 9342877730



[www.thinkinfoexpertsolutions.com](http://www.thinkinfoexpertsolutions.com)



Cybersecurity workshops are invaluable for individuals and organizations seeking to bolster their defenses against digital threats. These workshops are designed to raise awareness about the ever-evolving landscape of cyber threats, such as phishing, malware, and social engineering. Participants gain foundational skills and hands-on experience in implementing secure practices, such as creating strong passwords and safe browsing habits. A crucial component of these workshops is the introduction to ethical hacking, which equips attendees with the knowledge to identify vulnerabilities and protect data and systems effectively. By covering threat identification, defense strategies, and sometimes specific cybersecurity tools, these workshops foster a proactive security mindset.



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275, Kalarkadu, Thiruvagoundanoor,  
Suramangalam, Salem - 636005

**Date: 15-09-2024**

To  
The Principal,  
RSR Engineering College,  
Kavali, Andhra Pradesh.

Dear Sir/Madam,

On behalf of Thinkinfo Expert Solutions, we extend our sincere appreciation to RSR Engineering College for providing us the opportunity to conduct a 10-Day Cyber Security Workshop from September 1 to 12, 2025.

We are grateful for the excellent coordination and support extended by the management, faculty, and staff, which ensured the successful completion of the program. The enthusiasm and active participation of the students were truly commendable.

We also take pride in signing the MoU with your esteemed institution on September 11, 2025, marking the beginning of a fruitful collaboration towards imparting industry-oriented knowledge and preparing students for future career opportunities in Cyber Security and Emerging Technologies.

We look forward to a continued partnership and more impactful initiatives in the future.

With warm regards,

For Thinkinfo Expert Solutions  
Gokul Krish - Founder & CEO



# MOU SIGNING CEREMONY



Kadanuthala, Andhra Pradesh, India  
Qxvx+4p7, Nh 16, Kadanuthala, Andhra Pradesh 524142,  
Lat 14.792593° Long 79.999178°  
11/09/2025 03:53 PM GMT +05:30



Kadanuthala, Andhra Pradesh, India  
Qxvx+4p7, Nh 16, Kadanuthala, Andhra Pradesh 524142,  
Lat 14.792583° Long 79.999182°  
11/09/2025 03:53 PM GMT +05:30

## Thinkinfo Expert Solutions

[ A Cyber Security Product And Consulting Company ]

✦ MoU signed between **Thinkinfo Expert Solutions** and **RSR Engineering College, Kavali, Andhra Pradesh**, to empower students in **Cyber Security & Emerging Technologies**.

Visit Our Website



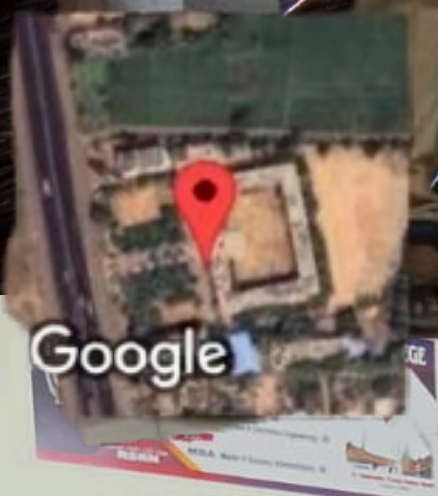
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# FCE NEWSLETTER

MAY TO AUG 2025



Kadanuthala, Andhra Pradesh, India   
Qxvx+4p7, Nh 16, Kadanuthala, Andhra Pradesh 524142, India  
Lat 14.792587° Long 79.999188°  
09/09/2025 03:41 PM GMT +05:30

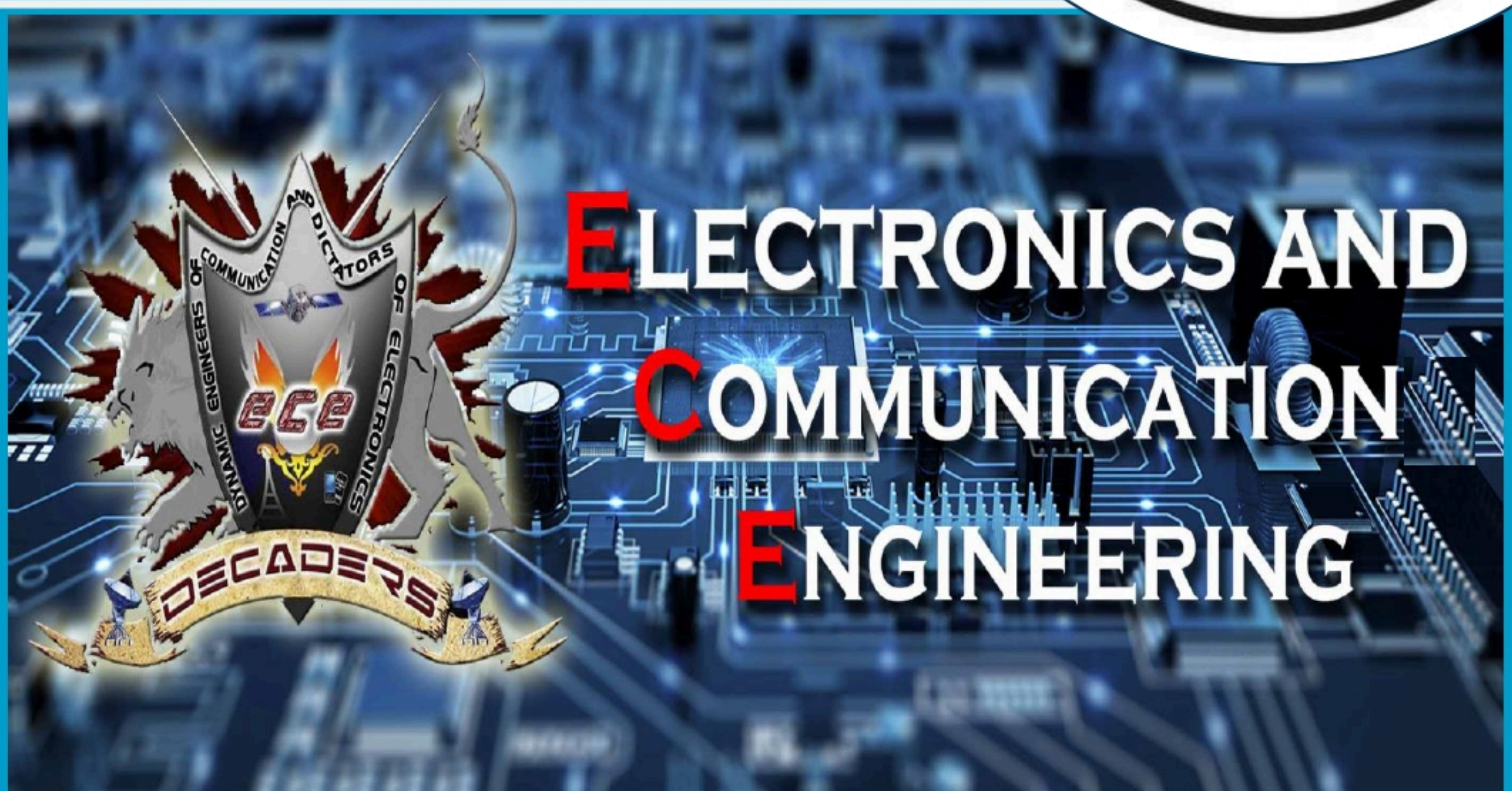


# ***ELECTRON***

**Vol.2, Issue.2, May.- August 2025**

*A Newsletter of*

**Department of Electronics and Communication Engineering,  
RSREC (AUTONOMOUS), Kadanuthala, Kavali, Nellore District**



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# Newspaper publication of the newsletter release event



# పెన్ పవర్

తెలుగు దిన పత్రిక ప్రశ్నించడం మన హక్కు



## ఆర్ ఎస్ ఆర్లో కాలేజ్ న్యూస్ లెటర్స్ 2025 రిలీజ్



ఫ్యాకల్టీ డెవలప్మెంట్ ప్రోగ్రాం, పేపర్ ప్రజెంటేషన్ లలో పార్టిసిపేట్ చేసి ఉత్తమ ప్రతిభ చూపి ప్రశంసా పత్రాలను పొందిన ఫ్యాకల్టీని ఈ న్యూస్ లెటర్స్ నందు ప్రచురించడం జరుగుతుందని, అలాగే విద్యార్థిని విద్యార్థులు వివిధ యూనివర్సిటీలలో, వివిధ కళాశాలలో ప్రశంసా పత్రాలను పొందిన వారిని గుర్తించి వారి వారి ప్రశంసా పత్రాలను ఈ న్యూస్ లెటర్స్ నందు పబ్లికేషన్ చేయడం జరుగుతుందని తెలిపారు. అలాగే ఇంకా కళాశాల మేనేజ్మెంట్ విద్యార్థిని విద్యార్థులకు, అధ్యాపక అధ్యాపకేతర సిబ్బందికి అందించినటువంటి సౌకర్యాలు, ఇతర వివరాలు కూడా ఇందులో పబ్లికేషన్ చేయడం జరిగిందని అలాగే జాతీయ స్థాయిలో, రాష్ట్రస్థాయిలో, యూనివర్సిటీ స్థాయిలో, జిల్లాస్థాయిలో కళాశాల తరపున పొందినటువంటి అన్ని వివరాలను ఈ న్యూస్ లెటర్స్ నందు ప్రింట్ చేయడం జరిగిందని తెలిపారు. ఈ న్యూస్ లెటర్స్ వల్ల విద్యార్థిని విద్యార్థులలో అలాగే అధ్యాపకులలో పోటీ తత్వం పెరిగి లేటెస్ట్ సాంకేతిక విద్యలో వచ్చినటువంటి మార్పులను, క్రొత్తదనాలను బాగా తెలుసుకునుటకు వీలుగా తోడ్పడుతుందని తెలిపారు. ఈ కార్యక్రమంలో కళాశాల ఏవో ఆర్వి రమణారెడ్డి, న్యూస్ లెటర్స్ చీఫ్ ఎడిటర్స్ ఇతర కోఆర్డినేటర్స్ తో పాటు అన్ని విభాగాలు అధిపతులు పాల్గొని న్యూస్ లెటర్స్ డిపార్ట్మెంట్ వైజ్ రిలీజ్ చేసినట్లు తెలిపారు.

### బోగోలు పెన్ పవర్ సెప్టెంబర్ 10

బోగోలు మండలం కడనూతల గ్రామంలో గల రామిరెడ్డి సుబ్బరామిరెడ్డి ఇంజనీరింగ్ కళాశాలలో బుధవారం సాయంత్రం కాలేజ్ లో డిపార్ట్మెంట్ వైజ్ న్యూస్ లెటర్స్ 2025 రిలీజ్ చేసినట్లు కళాశాల ప్రిన్సిపాల్ డాక్టర్ పివిఎన్ రెడ్డి గారు తెలిపారు. వారు మాట్లాడుతూ ఈ న్యూస్ లెటర్స్ నందు 2025 మే ఒకటో తేదీ నుండి 31 ఆగస్ట్ 2025 వరకు కళాశాలలో జరిగినటువంటి అన్ని కార్యక్రమాలు ఇందులో పొందుపరచడం జరిగిందని తెలిపారు. అలాగే ప్రోత్సాహాలు అంటే ఈ సమయంలో ఏవ ఫ్యాకల్టీ ఎన్ పీటీఎల్,

రాష్ట్రస్థాయిలో, యూనివర్సిటీ స్థాయిలో, జిల్లాస్థాయిలో కళాశాల తరపున పొందినటువంటి అన్ని వివరాలను ఈ న్యూస్ లెటర్స్ నందు ప్రింట్ చేయడం జరిగిందని తెలిపారు. ఈ న్యూస్ లెటర్స్ వల్ల విద్యార్థిని విద్యార్థులలో అలాగే అధ్యాపకులలో పోటీ తత్వం పెరిగి లేటెస్ట్ సాంకేతిక విద్యలో వచ్చినటువంటి మార్పులను, క్రొత్తదనాలను బాగా తెలుసుకునుటకు వీలుగా తోడ్పడుతుందని తెలిపారు. ఈ కార్యక్రమంలో కళాశాల ఏవో ఆర్వి రమణారెడ్డి, న్యూస్ లెటర్స్ చీఫ్ ఎడిటర్స్ ఇతర కోఆర్డినేటర్స్ తో పాటు అన్ని విభాగాలు అధిపతులు పాల్గొని న్యూస్ లెటర్స్ డిపార్ట్మెంట్ వైజ్ రిలీజ్ చేసినట్లు తెలిపారు.

# TRAINING PROGRAM ON VLSI AND EMBEDDED SYSTEMS

A training program on VLSI and  
Embedded Systems during 15  
Dec 2025 to 31 Dec 2025

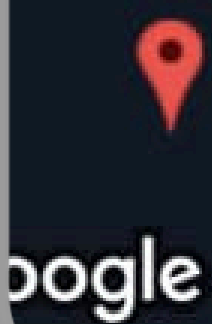


**Kavali, Andhra Pradesh, India** 

Nh-16, Nellore - Kavali Highway, Kadanuthala Village, Bogole, Kava  
Andhra Pradesh 524142, India

Lat 14.792221° Long 79.999229°

Wednesday, 03/12/2025 03:26 PM GMT +05:30



# TRAINING PROGRAM ON VLSI AND EMBEDDED SYSTEMS

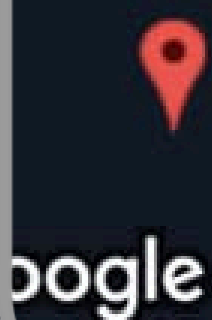


**Kavali, Andhra Pradesh, India** 

Nh-16, Nellore - Kavali Highway, Kadanuthala Village, Bogole, Kava  
Andhra Pradesh 524142, India

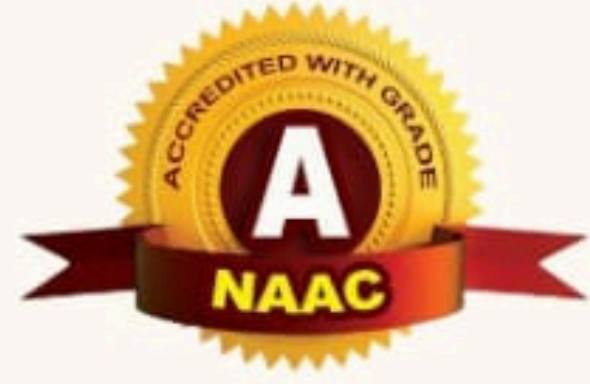
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**RSREC**  
RAMIREDDY SUBBARAMI REDDY  
ENGINEERING COLLEGE  
AUTONOMOUS



NH-16, Kadanuthala, Kavali, SPSR Nellore dt., A.P

Department of  
**ELECTRONICS AND COMMUNICATION ENGINEERING**

**INVITATION**

You are cordially invited to the **inauguration of the Computer Laboratory**.  
We request the gracious presence of the HODs, faculty members, and  
students on this occasion



Inauguration by  
**Dr. P. V. N Reddy**  
(Principal)

Room No:- 421




16 December 2025

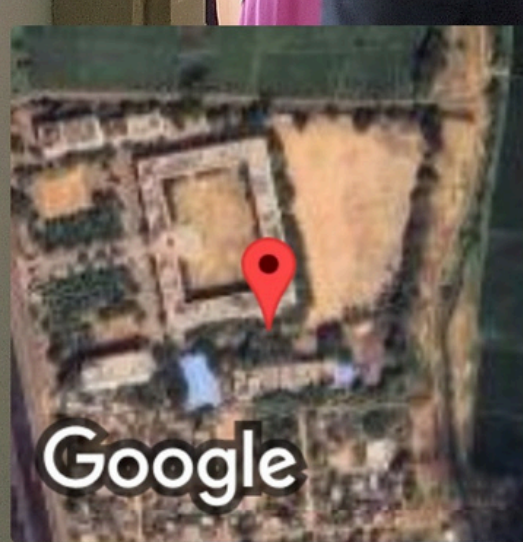


12:15 PM


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Google

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Nh-16, Nellore - Kavali Highway, Kadanuthala Village,  
Bogole, Kavali, Andhra Pradesh 524142, India  
Lat 14.79213° Long 79.999883°  
Tuesday, 16/12/2025 12:16 PM GMT +05:30





# FACULTY

A C H I E V E M E N T S

Research, Awards  
Publications

- |   |  |
|---|--|
| 1 | <p>Dr. Putta Brundavani has successfully authored and contributed to the publication of the book titled “Smart World with IOT: Fundamentals, Architecture and Practical Implementation” This work has been officially published by PhytoEletron Technologies, bearing the ISBN: 978-81-988757-4-7, on November, 2025. The publication meets all editorial, and ethical standards, and is now available in print and/or digital formats for distribution worldwide. We acknowledge and appreciate the Author;s dedication, intellectual contribution, and commitment to knowledge didemination through this work.</p> |
| 2 | <p>Dr. Shaik Rahamtula has actively participated in one week online faculty development program on “Engineering Tomorrow’s cars: Mastering Automotive Architecture with Embedded Systems” Organized by Department of ECE &amp; EEE of Joginpally BR Engineering College in association with Ekalavya Projects from 14 Oct 2025 to 19 Oct 2025</p>  |
| 3 | <p>Dr. Shaik Rahamtula has successfully authored and contributed to the publication of the book titled “Smart World with IOT: Fundamentals, Architecture and Practical Implementation” This work has been officially published by PhytoEletron Technologies, bearing the ISBN: 978-81-988757-4-7, on November, 2025. The publication meets all editorial, and ethical standards, and is now available in print and/or digital formats for distribution worldwide. We acknowledge and appreciate the Author;s dedication, intellectual contribution, and commitment to knowledge didemination through this work.</p>  |
| 4 | <p>Dr. Putta Brundavani has recognized as NPTEL Discipline Star in Computer Science and Engineering during July to Dec 2025.</p>   |

# FACULTY

A C H I E V E M E N T S

Research, Awards  
Publications

5	<p>Dr. Putta Brundavani has successfully authored and contributed to the publication of the book titled “Smart World with IOT: Fundamentals, Architecture and Practical Implementation” This work has been officially published by PhytoEletron Technologies, bearing the ISBN: 978-81-988757-4-7, on November, 2025. The publication meets all editorial, and ethical standards, and is now available in print and/or digital formats for distribution worldwide. We acknowledge and appreciate the Author;s dedication, intellectual contribution, and commitment to knowledge didemination through this work.</p>
6	<p>Dr. Putta Brundavani has successfully presented the paper entitled Combining static and simole dynamic branch prediction techniques for improved efficiency in low power processor: A lightweight Hybrid Approach in the 5<sup>th</sup> International Conference on Ubiquitous Computing and Intelligent Informtion Systems (ICUIS 2025) held on 26 - 28, November 2025.</p>
7	<p>Dr. Putta Brundavani has successfully completed the NPTEL course “C Programming and Assembly Languge” with a consolidated score of 58% duing july to Dec 2025.</p>
8	<p>Dr. Shaik Rahamtula has served as a reviewer for the “1<sup>st</sup> International Conference on Smart Systems for Sustainable Development using Advanced Computational Techniques (ICSSA 2025)” held on 10 - 11 October 2025. We sincerely appreciate your valuable time, effort, and commitment in supporting the advancement of academic and scientific excellence. This hasbeen conducted by Kuppam Engineering College, Andhra Pradesh.</p>



# Certificate of Completion

**GAVVALA MOUNIKA**

has successfully completed the HP LIFE online course

## Introduction to Cybersecurity Awareness

By completing this course, the above-named student has learned about common cybersecurity threats and discovered basic ways to keep online data and information more secure.

Presented 8/14/2025

Stephanie Bormann

1

**GAVVALA MOUNIKA HAS SUCCESSFULLY COMPLETED THE HP LIFE ONLINE COURSE "INTRODUCTION TO CYBERSECURITY AWARENESS" ON 14/8/2025. BY COMPLETING THIS COURSE, THE STUDENT LEARNED ABOUT COMMON CYBER SECURITY THREATS AND DISCOVERED BASIC WAYS TO KEEP ONLINE DATA AND INFORMATION MORE SECURE.**

**STUDENT  
ACHIEVEMENTS**



V. HARIKRISHNA HAS SUCCEFULLY ATTENDED A SIX DAY HANDS ON WORKSHOP ON TINKERING LAB HELD FROM 8<sup>TH</sup> SEPTEMBER 2025 TO 13<sup>TH</sup> SEPTEMBER 2025 AT RAMIREDDY SUBBARAMI REDDY ENGINEERING COLLEGE, ANDHRA PRADESH. THE WORKSHOP PROVIDED PRACTICAL EXPOSURE AND EXPERIMENTAL LEARNING TO ENHANCE INNOVATION, VREATIVITY AND PROTOTYPING SKILLS USING ADVANCED TINKERING LAB FACILITIES.



# PLACEMENT



**Cranes Varsity**  
*'Where Technology Meets Excellence'*

**RAMIREDDY SUBBARAMI REDDY  
ENGINEERING COLLEGE (RSR)**



## Heartiest Congratulations!

**We are incredibly proud of your achievements!**



**Diploma In Embedded &  
VLSI**

**Kareti Deepthi Priya**

**For being placed at**

**Mantra Softech (India)  
Private Limited**

**MANTRA**  
*Innovation that count*



**Graduate  
Engineer  
Trainee**

**6.5  
LPA**

# PLACEMENT

## Congratulations



**Mogal Muthahar**

Successfully Placed At



REPROGRAPHICS INDIA

Reprographics India Pvt Ltd

**Designation**  
**Embedded Software**  
**Engineer**

**Package**  
**3 LPA**

Heartiest congratulations, Mogal Muthahar, for your outstanding performance in the **Embedded and VLSI** and for securing your placement at **Reprographics India Pvt Ltd**

**Proud Alumni of**



**Ramireddy Subbarami**  
**Reddy Engineering College**



# PLACEMENT



**Cranes Varsity**  
*'Where Technology Meets Excellence'*

RAMIREDDY SUBBARAMI REDDY  
ENGINEERING COLLEGE (RSR)



## Heartiest Congratulations!

We are incredibly proud of your achievements!



**Diploma in Embedded and  
VLSI**

**Bodi Dharan Kumar**

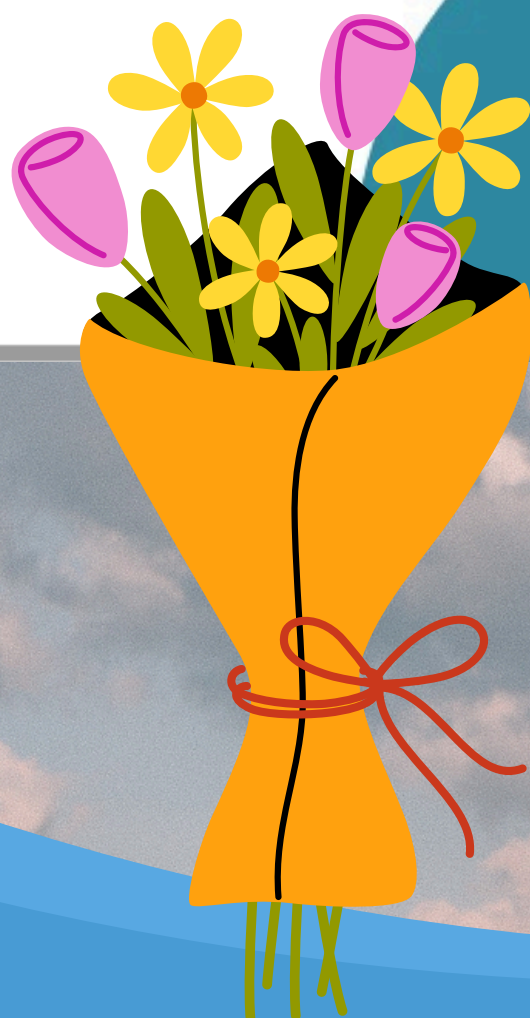
For being placed at

**Telaverge Communications**

**TELAVERGE**  
COMMUNICATIONS

**Software  
Engineer**

**4.5  
LPA**



# ALUMNI Voices



Name: KARETI DEEPTHI PRIYA

Roll No: 213R1A0416

Working Company Name: Mantra Smart Identity Private Limited

Job Role: Graduate Engineer Trainee

Working Address: Adarsh Eco Place, 176, EPIP Zone, Whitefield,  
Bengaluru, Karnataka 560066

Mobile Number: 8919904135

The campus is really inviting with its modern and well-kept structures. The library, computer labs, and classrooms are all top-notch, creating a great environment for learning. Having access to Wi-Fi and online resources has been a huge help too. The college offers a strong academic foundation, and the faculty are both knowledgeable and friendly, making sure we really grasp the concepts. The curriculum is current and includes practical case studies, which makes it easier to apply what we learn to real-world situations.