

RAJARAJESWARI COLLEGE OF ENGINEERING NEWS LETTER



ELECTRICAL AND ELECTRONICS ENGINEERING SPARKS 2023-24 (EVEN SEM)



Dr. A. C. Shanmugam
B.A. LL.B, FIMSA, FRCPS (Glasgow, U.K)
Chairman, RRG1



Sri. A.C.S.Arunkumar
B.Tech (Hons), LMISTE,MIET., (UK),LMCST.,
Vice-Chairman RRG1



Dr. R Balakrishna
Principal, R.R.C.E.



Dr. P Ebby Darney
Professor and Head, Department
of EEE, R.R.C.E.

VISION

“To be a leading Department to produce remarkable Electrical and Electronics Engineering scholars for the betterment of the society.”

MISSION

Introducing value-based education and State-of-the-Art infrastructure facilities within the parameters of ethics.

Interacting with industries and institutions to upgrade knowledge and understand current requirements and trends in technologies.

Enhancing the research-oriented activities in socially prominent areas.

Building up the overall career through impressive extra-academic activities.

This is the most recent newsletter from the Department of Electrical and Electronics Engineering. We are happy to announce the release of our twice-yearly newsletter, "SPARKS". We may communicate with our students, teachers, alumni, and business associates digitally through this newsletter. This newsletter will showcase the department's activities. It also updates readers on the latest happenings in the department, focusing on a range of activities like placement and staff and student accomplishments. We expect the department to take on new projects and achieve further success. Continue your quest for greatness. We would like to express our gratitude to all of the instructors, support personnel, and amazing students for their steadfast support.

EDITORIAL VOICE

Dr. P Ebby Darney,
HoD, EEE
Prof. Prutha G,
Asst. Prof. EEE

STUDENT COORDINATOR

Pooja H Patel
B Pavan

Madhusudhan Biradar
Wanegaon Aditya Kumar

Department Over View

The department was established in the year of 2006 with an intake of 60. The department has well equipped laboratories to fulfill the needs of syllabus. The students of this department have consistently performed well in the university examinations.

The Students are encouraged to update their knowledge by regularly attending workshops, seminars, conference etc. The department is conducting various events like workshops, technical seminars, expert lectures FDPs etc. to meet the needs of today's competitive world.

The course career paths followed are diverse ranging from electronic product design to heavy electrical plant maintenance, from research to production, from technical focus to customer focus.

Programs Offered:*

- *B.E. in Electrical and Electronics Engineering*

Eligibility:

- Passed 10+2 with relevant subjects and obtained at least 45% marks (40% for reserved categories).
- Passed a minimum 3-year diploma examination with at least 45% marks (40% for reserved categories).

Need and Scope of the Program:

Electrical engineering is foundational to modern technology and industry, encompassing areas from power generation to renewable energy and automation. EEE graduates find opportunities in diverse sectors such as power generation, transmission, and distribution, maintenance and control of electrical drives, and emerging fields like electric vehicles and smart manufacturing.

Career Opportunities:

EEE graduates are equipped for various career paths including research, product design, plant maintenance, and technical roles. They possess a deep understanding of engineering principles and practical experience, making them valuable contributors in fields like power generation, renewable energy, and industrial automation.

Industry Tie-ups:

The department has strong industry connections, offering students:

- Internship opportunities with leading companies
- Certificate courses designed by industry experts
- Collaborative research projects
- Industry-embedded curriculum
- Expert-led seminars and webinars
- Networking platforms for career development

Placement Highlights:

The department boasts successful placements in top companies such as Honeywell, Foxconn, Schneider, and more, reflecting the quality and industry-relevant training provided.

Key Features:

- Latest technology certificate courses
- Up-skilling opportunities
- Seminars and webinars on current technologies
- 100% internship assistance in core industries

Career Guidance Program On “Industrial Internships And Emerging Technolgies

DevHacks 1.0 was a groundbreaking hackathon that showcased the brilliance of innovative minds and the power of collaborative problem-solving.

How to get an internship, What is internship, why internship is required in exploring the career , how to implement our idea and gain the practical experience which in turn boost the skill development like communication, problem solving skill and team work.

Important domain for internship in the present industry are cyber security, embedded system & iot, python, artificial intelligence and machine learning, data science and analytics,robotics and automation.

How to build the resume, do's and don'ts , educational back ground,roles and responsibilities, showcasing relevant skill skillset,defining personality through interest, PORTFOLIO- documentation of work.



Date: 18th January 2024
Time: 10:30am -12:30pm
Venue: TESLA Hall, RRCE

Resource Person

Mr.Shankarling Kalashetty
Founder, Devminds, Bengaluru.



PROFESSIONAL DEVELOPMENT PROGRAM ON "DEVELOPING A COMPETITIVE RESEARCH PROPOSAL"

Developing a Competitive Research Proposal

JANUARY 17, 2024

TIME : 11AM

VENUE : APJ ABDUL KALAM HALL

"PROFESSIONAL DEVELOPMENT IS THE KEY TO CONTINUOUS IMPROVEMENT AND GROWTH IN ANY CAREER."

SPECIAL GUEST
Dr. UDAY MAITRA
Professor,
Department of Organic Chemistry
IISc, Bangalore



The EEE Department of RajaRajeswari College of Engineering, Bengaluru organized a Professional Development Program focused on "Developing a Competitive Research Proposal." This event was designed to equip faculty members, researchers, and students with the necessary skills and knowledge to craft effective and compelling research proposals.

Opening Remarks:

- The event commenced at 11:00 AM with a welcome address by Principal, RajaRajeswari College of Engineering, highlighting the importance of research and proposal writing in academia and industry.

Keynote Session by Dr. Uday Maitra:

- Dr. Uday Maitra, a distinguished Professor from the Department of Organic Chemistry at IISc, Bangalore, delivered the keynote address.

His session covered:

- Understanding Research Proposals: The essential components of a research proposal, including objectives, methodology, budget, and expected outcomes.
- Identifying Research Gaps: Techniques for identifying and articulating research gaps that a proposal aims to address.
- Funding Opportunities: Overview of various funding agencies and opportunities available for research grants.
- Proposal Writing Tips: Practical tips and strategies for writing clear, concise, and persuasive proposals.
- Common Pitfalls: Common mistakes to avoid during proposal writing and submission processes.

Interactive Q&A Session:

- Participants had the opportunity to engage with Dr. Maitra in an interactive Q&A session, where they could seek advice and clarification on specific aspects of their research proposals.

Closing Remarks:

- The program concluded with closing remarks from the organizers, expressing gratitude to Dr. Maitra for his insightful presentation and to the participants for their active involvement.

Strategies for Drafting Effective Research Proposal – 2024

A workshop on "Strategies for Drafting Effective Research Proposal." emphasizing the value of research and proposal writing in both academia and business. Dr. Monika Agarwal, a distinguished Scientist F at the Science & Engineering Research Board, Department of Science and Technology (DST), gave the keynote talk. In addition to sharing her wealth of expertise in the topic, Dr. Agarwal offered helpful techniques and approaches for creating well-researched articles suggestions. Identifying research gaps, developing research questions, organizing proposals, and advice for funding application success were just a few of the important topics she discussed during her workshop.

Faculty, researchers, and students who wanted to learn more about the nuances of creating research proposals that stand out and get financing attended the event in large numbers. Everyone in attendance found Dr. Agarwal's talk to be quite interesting and her practical ideas to be quite valuable. The planning team made sure everything went off without a hitch and created an atmosphere that encouraged engagement and learning. At the end of the lecture, there was a Q&A section where attendees could ask questions and get more advice from Dr. Agarwal. All in all, the occasion was a huge success, greatly enhancing the participants' capacities for study and scholarship.

Through such enriching activities, the Department of Electrical & Electronics Engineering at Rajarajeswari College of Engineering continues to demonstrate its dedication to supporting academic advancement and research excellence.

"STRATEGIES FOR DRAFTING EFFECTIVE RESEARCH PROPOSAL"

Organized By

Dept. of Electrical & Electronics Engg.



Resource Person

Dr. Monika Agarwal

Scientist F

**Science & Engineering
Research Board - DST**

Resource Person:

Dr. Monika Agarwal

Scientist F, Science & Engineering
Research Board - DST

GREEN ENERGY PROJECT EXPO

Solar Based Projects

The "GREEN ENERGY PROJECT EXPO" was held on March 13, 2024, and included participation from EEE students.

Green energy is produced from renewable resources including the sun, wind, and biowaste. Energy sources classified as clean don't release any pollutants into the atmosphere.

Renewable energy originates from renewable energy sources, which include solar, wind, and hydropower.

The activities' goals are to: 1. Gain a fundamental understanding of power produced by renewable resources like sunshine, wind, and water.

2. The students gave an outstanding performance, and the event was executed well.

One of the events' outcomes is to assess design and development principles for green energy projects.

2. Apply critical thinking to investigate novel to generate energy using sustainable resources.

The program was a huge success because all 33 third-year students actively engaged in the event.



Department of Electrical & Electronics Engineering

GREEN ENERGY PROJECT EXPO

@ 11:00 am
March 13th,
2024

Venue: EEE Department

Coordinators
Dr. H Babakrishna
Principal, BRCE
Dr. P Ebby Darsey
HOD - EEE
Prof. Kiruthika K
Assistant Professor

The poster features illustrations of a wind turbine, a globe with a plant growing from it, and solar panels.



IGEN ENERGATHON – 2024

The IGEN Energathon 2024 is a 24-hour non-stop conference aimed at exploring solutions for energy sustainability. This event is indexed by Earthday and certified by ABR-WRCA-IBR as a world record attempt. The specific focus for this session is "T5.2 Offline Live SDG7 Cultural

- Hosted by IGEN ENSAV Club - India's Vision for Sustainable Development Session-1".

Activity Description:

- The students from the EEE department of RajaRajeswari College of Engineering performed

a role play focusing on the theme "Role of Energy in Sustainable Development".

- The role play emphasized the importance of renewable energy sources and the role they play in achieving sustainable development goals.

- The performance highlighted key issues such as energy conservation, efficiency, and the impact of energy choices on the environment and society.

Visuals from the Event:

- The participants wore masks and gloves, symbolizing unity and the collective effort required

for sustainable energy practices.

- Visual aids, including posters and banners, were used to convey messages about gender equity in energy access and the importance of balancing energy needs with environmental sustainability.

Key Messages Conveyed:

- The importance of shifting towards renewable energy sources to reduce carbon emissions.

- The role of each individual in energy conservation and promoting sustainable practices.

- The need for gender equity in energy access and the broader implications for societal development.

- The balance required between development and environmental sustainability to achieve the Sustainable Development Goals by 2027.

Impact and Reception:

- The role play was well-received by the audience, drawing attention to critical energy issues.

- The visual and dramatic representation helped in effectively communicating the importance of sustainable energy practices.

- The performance inspired discussions and raised awareness about the role of energy in sustainable development.



Foodex-2K24

EVENT OVERVIEW

Foodex-2K24 took place on February 9, 2024, within the Electrical and Electronics Engineering (EEE) department. This food festival provided students with a platform to showcase their entrepreneurial skills by managing food stalls and engaging with the festival attendees.



DEPARTMENT OF
Electrical and Electronics
PRESENTS
FOODEX'24
Festival

9th Feb
2024
12:45 PM
ONWARDS

Location
EEE DEPARTMENT
RAJAJESHWARI COLLEGE OF ENGINEERING

Coordinators

Dr. R. Balakrishna Principal, RICE	Dr. P. Esay Dorey HOD-EEE	Prof. Pooja B. Assistant Professor	Prof. K. Umika K. Assistant Professor
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STUDENT PARTICIPATION

The festival featured a range of student-run food stalls, where participants not only sold food but also took on roles in marketing, customer service, and stall management.



**"FOOD IS THE
INGREDIENT THAT BINDS
US TOGETHER."**



TESLA – 2024

National Level Symposium



The Department of Electrical & Electronics Engineering organizes National Level Symposium – TESLA 2K24 on 13th & 14th June, 2024. The Symposium is open to all Engg. Departments, Diploma & PU students.

TECHNICAL EVENTS

- PAPER PRESENTATION
- TECHNICAL QUIZ
- PROJECT EXPO
- MONEY TANK

NON TECHNICAL EVENTS

- BUZZ WIRE
- TREASURE HUNT
- BATTLE ROYAL
- HUMAN LUDO



The National-Level Intercollegiate Competition in the Department of Electrical and Electronics Engineering was held over two days, on 13th June 2024 and 14th June 2024. The event brought together students from various institutions across the country to showcase their technical skills, innovative projects, and collaborative problem-solving abilities.



"THE PRESENT IS THEIRS; THE FUTURE, FOR WHICH I REALLY WORKED, IS MINE."



This quote reflects Tesla's forward-thinking vision and his belief in the long-term impact of his work.



DAY 1

Inauguration and Opening Ceremony



Introduction

The National-Level Intercollegiate Competition in the Department of Electrical and Electronics Engineering was held over two days, on 13th June 2024 and 14th June 2024. The event brought together students from various institutions across the country to showcase their technical skills, innovative projects, and collaborative problem-solving abilities.

Event Overview

The competition aimed to foster a spirit of innovation and excellence among students by providing them with a platform to present their work and engage with peers and experts in the field of Electrical and Electronics Engineering. The event featured a series of contests, presentations, and workshops designed to challenge and inspire participants.



ACHIEVEMENTS LIKE BEST OUTGOING AND TOPPERS OF SEMESTER

The achievements of these top-performing students underscore their exceptional capabilities and dedication to their fields. Their success in the competition not only highlights their individual talents but also reflects the high standards of their academic and practical training. Their contributions serve as an inspiration for their peers and a testament to their potential for future success in their careers.



"ACHIEVEMENT IS NOT ABOUT WHAT YOU HAVE ACCOMPLISHED, BUT ABOUT WHAT YOU HAVE INSPIRED OTHERS TO ACHIEVE."

DAY 2

Activities during TESLA

2 Techincal Quizz



Registration Desk

4 Money Tank



5 Buzz Wire



1 Project Expo



3 Paper Presentation



6 Human Ludo



Many more events were carried like:

Treasure Hunt

Royal Battle

Alumni talk on “Engineering applications for control panel designing”



Karnataka, India
College Of Engineering Block, Rajarajeswari College Of Engin

GMT +05:30



Introduction

The recent career development session provided valuable insights into what companies expect from engineers, the basic requirements for the role, and the mindset of employers. The speaker also covered essential topics related to internships, including how to secure one, the significance of internships in career exploration, and how they contribute to skill development.

Company Expectations and Engineer's Role

The speaker emphasized that companies are looking for engineers who not only possess technical skills but also have the right mentality and attitude. Key points highlighted include:

- **Basic Requirements:** Companies expect engineers to have a strong foundation in their field, along with practical experience and a proactive approach to problem-solving.
- **Mentality of the Hirer:** Employers value candidates who demonstrate adaptability, a willingness to learn, and the ability to work well in teams.

Importance of Internships

The session underscored the importance of internships in shaping a successful engineering career:

- **What is an Internship?:** Internships provide practical experience and an opportunity to apply theoretical knowledge in real-world settings.
- **Why Internships are Crucial:** They play a critical role in career exploration, helping students identify their interests and strengths while gaining hands-on experience.
- **Skill Development:** Internships help build essential skills such as communication, problem-solving, and teamwork, which are crucial for career advancement.

Choosing a Domain of Interest

The speaker advised students to select their area of interest early in their college years:

- **Domain Selection:** It is important to choose a domain based on personal interest and industry demand.
- **Key Domains:** High-demand areas like machine learning, robotics, and automation were highlighted, with a focus on learning relevant software such as Python, MATLAB, and Embedded C.

Resume Building and Job Application Tips

The session also covered best practices for creating a strong resume:

- **Building the Resume:** The speaker provided guidance on structuring a resume, including what to include and what to avoid.
- **Do's and Don'ts:** Key tips included focusing on educational background, clearly defining roles and responsibilities; and showcasing a diverse skill set relevant to the job.

Conclusion

The session provided students with a comprehensive understanding of the expectations from engineers, the value of internships, and how to strategically build their careers. By focusing on skill development, choosing the right domain, and effectively presenting their qualifications, students can significantly enhance their employability in the competitive job market.

Resource Person:

Mr. Vikas U

Operational Engineer,
Anubhavi Automations,
Bengaluru.

Hands-on Training



INTRODUCTION TO DRONE TECHNOLOGY & HUMANOID ROBO

The Department of Electrical & Electronics Engineering at RajaRajeswari College of Engineering organized a hands-on training session titled "Introduction to Drone Technology & Humanoid Robo" on July 19, 2024. The session aimed to provide second and third year students with practical knowledge and skills related to cutting-edge technologies in drone development and humanoid robotics. Key Highlights: Inaugural Session:

The event commenced at 9:00 AM with a welcome address by Mr. Vishal G, Pre Final year, followed by Presidential address by Vice Principal Dr.J.Amutharaj, Felicitation by HoD-EEE Dr. P. Ebby Darney and provided an inspiring speech highlighting the importance of staying updated with technological advancements and encouraged students to actively participate in such hands-on sessions.

Guest Lecture:

Mr. Keerthik Kumar S, CEO & Founder of Technovation, was the chief guest and speaker for the event. He shared his insights on the latest trends in drone technology and the development of humanoid robots.

His lecture covered various aspects including the design, development, and real-world applications of drones and humanoid robots.

Hands-on Training:

The hands-on session was the main highlight of the event where students got the opportunity to work on real drone models and humanoid robots.

The training included assembling drone components, programming the drones for specific tasks, and understanding the mechanics behind humanoid robots.

Students were divided into small groups to ensure individual attention and effective learning.

An interactive Q&A session was conducted where students posed their queries to Mr. Keerthik Kumar S. and Er. G. Vedha Jeyaram, Chief Technical Officer.

This session provided valuable insights and clarified various doubts related to drone technology and robotics.

Conclusion:

The event concluded with a vote of thanks by Dr. R. Arul Jose, Associate Professor, who expressed gratitude towards the guest speaker, participants, and the organizing team. This event successfully provided students with a valuable learning experience and motivated them to explore further in the field of drone technology and humanoid robotics. The Department of Electrical & Electronics Engineering looks forward to organizing more such informative and engaging events in the future.



Mr. Keerthik Kumar S
CEO & Founder
Technovation



BIO Inspired Engineering 2K24



The event was conducted 13th of July, 2024 where from EEE students took part for the event BIO INSPIRED ENGINEERING -2K24. To familiarize the students with the basic biological concepts and their engineering applications. To enable the students with an understanding of biodesign principles to create novel devices and structures. We had a wonderful time by knowing such a nice talent.

The event was conducted successfully and the students for their amazing performance.

- We had an amazing Judges:
- Dr. Sumitha Manoj Asso. Prof. Department of ECE,
- Dr. ThanujKumar, Asso. Prof. Department of Robotics & Automation Engineering They judge this event ,
- Outcome of the events are,
- Evaluate the principles of design and development, for exploring novel bioengineering projects.
- Think critically towards exploring innovative biobased solutions for socially relevant problems

All the students from 2nd year students – 68 participated in the event very actively made the program grand success



"IN BIOMIMICRY, WE ARE NOT SIMPLY USING NATURE AS A SOURCE OF INSPIRATION; WE ARE LEARNING FROM THE PRINCIPLES OF LIFE TO INNOVATE SUSTAINABLY."

PROFESSION'O-2K24

PROFESSION'O - 2K24



Mock Interview

The event was conducted afternoon on 20th of July, 2024 where 2nd year Electrical and Electronics Engineering students took part for the event MOCK INTERVIEW. It was very useful for them where they had build up their resume and also they were doing self-introduction about them which gained a knowledge of how to face interview further. The event was conducted successfully and the students were also appreciated by gifts and also were given suggestion for how things has to be carried.

We had our Interview panel members as:

- Dr. Annu Sharma, Asso. Prof. Department of MCA
- Dr. P Ebby Darney, Professor and HOD of EEE department
- Dr. R Arul Jose, Asso. Prof. Department of EEE
- They took Interview by giving their time to us.

We successfully completed the event by concluding with motivation to students and small appreciation in Profession'O-2K24. All the students from 2nd year students – 68 participated in the event very actively made the mock interview a grand success.



TECHNO PROJECT EXPO-2K24

Techno Project Expo-2K24

The event was conducted Morning on 26th of July, 2024 where 3rd year Electrical and Electronics Engineering students took part for the event Project Expo.

- Objectives
- Showcase innovative projects and models by students.
- Provide a platform for students to demonstrate their technical skills.
- Encourage collaboration and idea exchange among participants.
- Recognize and reward outstanding projects.
- Display of various innovative projects from different engineering disciplines.

We successfully completed the event by concluding with motivation to students in Techno Project Expo-2K24.

All the students from 3rd year students – 32 participated in the event very actively made the Techno Project Expo a grand success.



IDEOLOGY ON INNOVALLIANCE PROBLEMS-2K24

Idea Presentation

Ideology on InnovAlliance Problems-2K24



The event was conducted Afternoon on 26th of July, 2024 where 3rd year Electrical and Electronics Engineering students took part for the event Idea Presentation.

An idea effectively is crucial for capturing interest and securing support. Here's a structured approach to help you present your idea compellingly:

- Introduction
- Hook: Start with a compelling statement or question to grab attention.
- Problem Statement: Clearly define the problem your idea addresses. Use relatable examples or statistics to highlight the issue.
- Solution
- Your Idea: Describe your idea concisely and clearly.
- Uniqueness: Explain what makes your idea unique or innovative compared to existing solutions.
- Benefits: Outline the key benefits and how your idea solves the problem effectively.
- Implementation
- Plan: Provide a high-level overview of how you plan to implement your idea.
- Timeline: Include a rough timeline of key milestones.
- Resources: Mention the resources you'll need (e.g., funding, technology, expertise).
- We successfully completed the event by concluding with motivation to students in Ideology on InnovAlliance Problems-2K24.

All the students from 3rd year students – 32 participated in the event very actively made the Techno Project Expo a grand success.



"A GREAT IDEA BEGINS WITH A BELIEF IN SOMETHING GREATER THAN ONESELF."



Student Achievements

1 KSCST Funds

A fund of 6000/- Rs was earned by our 8th sem students 1. Seetha Lakshmi Peroth, 2. Shivamani C R, 3. Rida Shariff A and Prof. Udhyami M B in KSCST SPP-47th series 2023-2024



2 Intra College Participation and winning moments of students

1. Our Student Ms. Anusha M participated and got Selected in 47th Senior Women Throw Ball National Champion at Hyderabad



2. Our 6th and 4th sem Students participated a Technical Event in Christ university and banded 1st and 3rd Place and won 5000/- Rs a cash prize



4. Our 6th sem Students 1. Aishwarya S & 2. Sai Vivek Y participated a Texplore-2024 in CMRIT and banded 1st place and won a cash prize



3. Our 4th sem Student participated in Abstract Presentation in St. Joseph College of Engineering, OMR.



5. Our 6th sem Students 1. Aishwarya S & 2. Sai Vivek Y participated a Gear Up Expo-2024 in HKBK and banded 1st place and won a cash prize



6. Our 6th sem Students 1. Pavan 2. Bharth K Gowda 3. Sai Vivek Y and 4. Aishwarya S participated a Hackathon 2k24 in DSATM and banded 1st place and won a cash prize

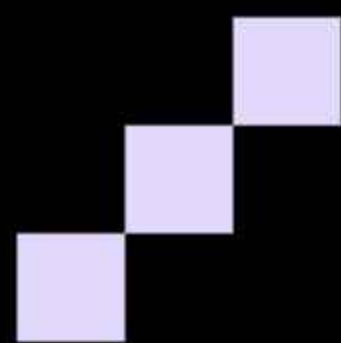


7. Our 6th sem Students 1. Pavan & 2. Bharth K Gowda participated a Hackathon 2k24 in GAT and banded 3rd place and won a cash prize



JOURNALS AND CONFERENCES

FACULTY ACHIEVEMENTS



- Dr. P Ebby Darney, "Top of FormBottom of FormSimulation and Evaluation of the Superconducting Coils by Employing FEM", International Journal of Science and Research (IJSR), Vol 13, Issue 3, pp 1479 - 1483, ISSN NO:2319-7064, March 2024.
- Prof. Prutha G, "Top of FormBottom of FormA Hybrid Electricity Generation In Highways Using Wind And Solar Energy", International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, March 2024.
- Prof. Kruthika K, "Top of FormBottom of FormSolar Cap with Mobile Charging", International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, March 2024.
- Prof. Shivalingaiah K L, "Top of FormBottom of FormHybrid Solar Seeder For Agriculture With Dual Power", International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, March 2024.
- Dr. P Ebby Darney, "Top of FormBottom of FormThe Effect of the Interfacial Resistance of the Superconducting-Stabilizer Film on the Typical Sector Diffusion Pace For 2g Hts Tapes", International Journal for Multidisciplinary Research (IJFMR), Vol 6, Issue 2, pp 1 - 11, E-ISSN: 2582-2160, March 2024.
- Prof. Udhyami M B, "Top of FormBottom of FormSolar Based Grass Cutter", International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, March 2024.
- Dr. P Ebby Darney, "Top of FormBottom of FormA Deep Learning Framework for Early Detection of Heart Attack Risk and Cardiovascular Conditions using Retinal Images", IEEE International Conference on Emerging Research in Computational Science – ICERCS'23, ISBN: 979-8-3503-5976-3, Dec 2023.
- Dr. P Ebby Darney, "Top of FormBottom of FormSmart Home Automation with Smart Metering using ZigBee Technology and Deep Belief Network", 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), DOI:10.1109/IDCIoT59759.2024, January 2024.
- Prof. Avinash C M, "Top of FormBottom of FormSmart Home Automation with Smart Metering using ZigBee Technology and Deep Belief Network", 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), DOI:10.1109/IDCIoT59759.2024, January 2024.
- Dr. P Ebby Darney, "Top of FormBottom of FormAn AI-Enhanced IoT Model for Three-Way Authentication and Location Tracking in Secured Jewellery Boxes", International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2024), ISBN: 979-8-3503-9523-5, January 2024.
- Prof. Sincy Elezebeth Kuruvilla, "Top of FormBottom of FormPredictive Parenting: An IoT-Enabled Cradle System with AI-Driven Sleep Pattern Analysis", 5th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2024), ISBN: 979-8-3503-9523-5/24, January 2024.
- Dr. R Arul Jose, "Top of FormBottom of FormForeScanGuard: Proactive Monitoring and Detection for Sustainable Forest Conservation", International Conference on Inventive Computation Technologies (ICICT), DOI: 10.1109/ICICT60155.2024.10544388, April 2024.





Patents

"Patents add the fuel of interest to the fire of genius." – Abraham Lincoln

- Dr. P Ebby Darney, HOD and Professor has got a grant on patent Solar Phone Case during March 2023.
- Prof. Udhyami M B, Assistant Professor has filled patent on the project Smart Helmet Sensor for Rider and Pillion Rider. Their Patent is published during January 2023.
- Prof. Prutha G, Assistant Professor has filled patent on the project Smart Helmet Sensor for Rider and Pillion Rider. Their Patent is published during January 2023.
- Prof. Kiruthika K, Assistant Professor has filled patent on the project Smart Helmet Sensor for Rider and Pillion Rider. Their Patent is published during January 2023.
- Prof. Nandini N, Assistant Professor has filled patent on the project Smart Helmet Sensor for Rider and Pillion Rider. Their Patent is published during January 2023.
- Prof. Avinash C M Assistant Professor has filled patent on the project Smart Helmet Sensor for Rider and Pillion Rider. Their Patent is published during January 2023.
- Dr. P Ebby Darney, HOD and Professor has filled patent on the project Impact and analysis of green concept in Mechanical design and Manufacturing Industry. The Patent is published during March 2023.
- Dr. P Ebby Darney, HOD and Professor has published patent on the project Solar Phone Case. Their Patent is granted and published during March 2023.

Placement Details

1. Lingaraj C S (1RR20EE001) placed in Kalpa Elektrikal Pvt. Ltd.
2. Rakesh M (1RR20EE002) placed in Tech Mahindra Ltd.
3. Somendran B (1RR21EE400) placed in CodeYoung
4. N Leelanjali (1RR19EE015) placed in Government sector PWD
5. Prathik V (1RR19EE019) placed as a Contractor.
6. Purushotham V (1RR19EE022) placed as a Contractor.
7. Abrin Nisha J (1RR19EE001) placed in Vintrus.
8. Yashas S M (1RR19EE031) placed in Codeyoung.
9. Anusha S G (1RR19EE004) placed in Vintrus.
10. Abrin Nisha J (1RR19EE001) placed in FACE.
11. Anusha S G (1RR19EE004) placed in FACE.
12. Abrin Nisha J (1RR19EE001) placed in Vintrus.
13. Vaibhav S (1RR19EE030) placed in Textron.
14. Krishna Pawar (1RR19EE010) placed in Codeyoung.
15. Rakesh G (1RR19EE023) placed in Vintrus.
16. Uttam M (1RR20EE402) placed in HARS MEP Consulting Pvt.LTD.
17. Yatish Gowda H(1RR19EE032) placed in HARS MEP Consulting Pvt.LTD.
18. Brunda B (1RR19EE006) placed in FACE.
19. Nivedha D (1RR19EE017) placed in FACE.
20. Shambhavi M N (1RR19EE024) placed in FACE.
21. Shambhavi M N (1RR19EE024) placed in Vintrus.

"Believe in yourself and all that you are. Know that there is something inside you that is greater than any obstacle." — Christian D. Larson



Sports Updates

OUR STUDENTS EVEN PARTICIPATED IN VTU INTRA COLLEGE EVENTS AND WON PLACES AND GOT SELECTION OF NATIONAL LEVEL .

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Our students Participated in many events during sports day conducted in college and won many places and also participated in many events and made proud by our students



"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice, and most of all, love of what you are doing or learning to do."

Cultural Fest- Kalasourabha 2K24



The Cultural Fest "Kalasourabha 2k24" showcased diverse cultural events like music, dance, drama, and fashion. RRCE students participated with enthusiasm, blending technical skill and artistic flair.



Fashion Walk Victory:

The Fashion Walk was a highlight, with RRCE's team winning the top prize. Their innovative designs and confident presentation impressed both the audience and judges, combining style, elegance, and cultural relevance.



Success in Multiple Events:

Beyond the Fashion Walk, RRCE students excelled in various other competitions, including group dances, solo singing, theatrical performances, and art exhibitions. Their talent and dedication were evident, contributing to their overall success at the fest.

