



RAJARAJESWARI COLLEGE OF ENGINEERING

SPARKS
2022- 2023

Volume 10, Issue 1



Department of Electrical and Electronics

VISION OF THE DEPARTMENT

“To produce excellent manpower in the field of Electrical & Electronics Engineering by introducing innovative teaching methods and projects within the parameters of values and ethics”

MISSION OF THE DEPARTMENT

- 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.

FROM PRINCIPAL'S DESK:

It is a matter of great pride and satisfaction for RajaRajeswari College of Engineering to bring out the Newsletter released from the Department of Electrical and Electronics Engineering. The College has made tremendous progress in all aspects and department has equally progressed in different verticals both in academic and non-academics. A Newsletter is like a mirror which reflects the clear picture of all sorts of activities undertaken by a department. I congratulate the Editorial Board of this Newsletter who have played wonderful role in accomplishing the task on time. I congratulate all faculties and students for their fruitful efforts in shaping up the department and personal career.

Dr. R Balakrishna Principal, RRCE

FROM HOD's DESK:

I am very pleased to pen in our department's official newsletter 'SPARKS.' The newsletter invites a wider readership in the Institution. Many congratulations to the editorial team. The newsletter comprises news of the last year's academic excellence and co-curricular and extra-curricular activities. The compiled news, articles and achievements shows how consistently we are inching towards the vision and mission of our Institution. Many of our students and staff participated and won many regional and national level competitions. These competitions enabled them to gain a comprehensive knowledge and understanding of various emerging technologies and aspects. I wish to record my hearty congratulations to those who have brought laurels to the department, appreciate all of you for working together as a team. Let this newsletter be a forum to exhibit the potential of students and faculty members with their literary skills and innovative ideas. I extend best wishes for the success of this endeavor.

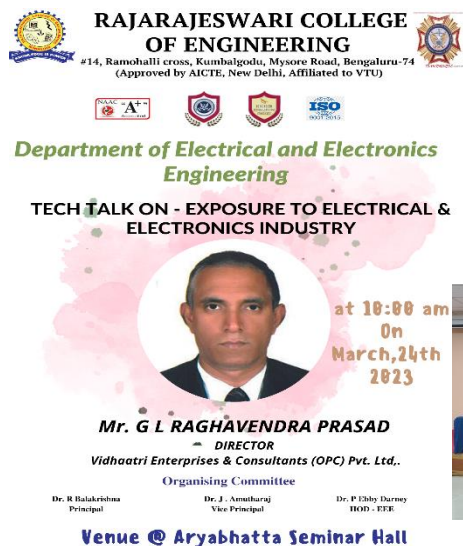
Dr. P Ebby Darney Professor and Head

ACTIVITIES

Tech Talk:

The Tech Talk on Exposure to Electrical and Electronics Industry was conducted where the students of department of Electrical & Electronics Engineering has attended the program which intently gained knowledge and to explore over Electrical and Electronics Industry. The key speaker Mr. G L Raghavendra Prasad, Director, Vidhaatri Enterprises & Consultants (OPC) Pvt. Ltd., gave a brief idea about electric motors and how the placement opportunities are being created in the society. Which intend our students to get a vast

"Activities today is the Achievements of tomorrow."



RAJARAJESWARI COLLEGE OF ENGINEERING
#14, Ramohalli cross, Kumbhalgodu, Mysore Road, Bengaluru-74
(Approved by AICTE, New Delhi, Affiliated to VTU)

Department of Electrical and Electronics Engineering

TECH TALK ON - EXPOSURE TO ELECTRICAL & ELECTRONICS INDUSTRY

at 10:00 am On March, 24th 2023

MR. G L RAGHAVENDRA PRASAD
DIRECTOR
Vidhaatri Enterprises & Consultants (OPC) Pvt. Ltd.,
Organising Committee

Dr. R Balakrishna Principal
Dr. J. Ananthurag Vice Principal
Dr. P Ebby Darney HOD - EEE

Venue @ Aryabhatta Seminar Hall



and versatile knowledge on the importance of the subjects they are studying in electrical engineering.

Few points been discussed are noted below:

- ❖ Explained on motors circuit diagram
- ❖ Configuration of circuit and also explained the factors of working nature in the industry.

ENSAV Club activity: Ideathon contest on Waste to

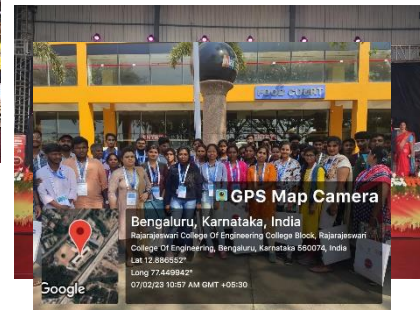
Department of Electrical & Electronics Engineering of RajaRajeswari College of Engineering (RRCE ENSAV CLUB) conducted 21 Day IGEN National Energy Conservation Festival Titled "IDEATHON Contest on Waste-to-Energy" on 27th December 2022. The program started at 11:00AM. Dr R Balakrishna, Principal RRCE gave the Presidential address. Dr P Ebby Darney, Professor & HoD EEE gave a brief description about the contest and importance of saving energy in day-to-day life. Students from various institutions and other departments participated in the event and exhibited their moral ideas in converting waste to energy. Around 100 participants were there for the event.



ACHIEVEMENTS

Students achievements:

We as a team deeply agree that the student getting graduate is a bigger achievement where they will be going from professional society towards the other phase of their life. It is a proud moment for our department we appreciate our 2022 batch student. On Occasion of Graduation Day our student Harshitha Rani of final year Topper got an opportunity to felicitate our chairman. Made us a proud for the achievement of our own students who made the Electrical department proud.



Industrial Visit:

Students of electrical department got opportunity to Visit the great event organised in Bangalore International Exhibition Centre (BIEC) on India Energy Week (IEW) 2023. It was a great opportunity to get this visit where purely on energy storage and energy production through renewables was explained which gave a great idea for our students. There they also participated in many events and won many prizes which is a proud moment for our department students. Students had great interactions with industry and the gap was filled with them.



conducted in the IEW

Foodex Event:

Students of electrical department 3rd semester students had an opportunity to have an outreach of entrepreneurship experience. These students have done a business management as an add on course in their Subject Social Connect and Responsibility where the student and prepared the food and sale to vendors where they got new experience in this event where could understand the business management.



Rajarajeswari college of Engineering
ISO 9001:2015
Department of Electrical & Electronics Engineering
All are cordially Invited for
FOODEX Festival

Taste the delicious food ...

on 16th Feb, 2023 (Thursday)

from 12:15 pm onwards

Venue: @ CTOS hall

PATENTS

1. Dr. P Ebby Darney, HOD and Professor has got a grant on patent Solar Phone Case during March 2023.
2. Prof. Udhyami M B, Prof. Prutha G, Prof. Kiruthika K, Prof. Nandini N, 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.
3. 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.

PLACEMENT DETAILS

1. Manoj G (1RR19EE013) placed in Quad Gen Mas Tec With Package of 3LPA.
2. N Leelanjali (1RR19EE015) placed in Quad Gen Mas Tec With Package of 4LPA.
3. Sreehari K (1RR19EE026) placed in Quad Gen Mas Tec With Package of 5LPA.
4. Suvarna P U (1RR19EE028) placed in Quad Gen Mas Tec With Package of 6LPA.
5. Yashas S M (1RR19EE031) placed as an intern in Honeywell With Package of 6LPA.
6. Abrin Nisha J (1RR19EE001) placed in Intellipat Software Solutions Pvt. Ltd With Package of 9LPA.
7. N Leelanjali (1RR19EE015) placed in Vintrus With Package of 3-5LPA
8. Yashas S M (1RR19EE031) placed in Codeyoung With Package of 4.36LPA.
9. Anusha S G (1RR19EE004) placed in Vintrus With Package of 3-5LPA
10. Abrin Nisha J (1RR19EE001) placed in FACE With Package of 3.13LPA.
11. Anusha S G (1RR19EE004) placed in FACE With Package of 6LPA.
12. Abrin Nisha J (1RR19EE001) placed in Vintrus With Package of 3-5LPA
13. Vaibhav S (1RR19EE030) placed in Textron with package of 6.5LPA.
14. Krishna Pawar (1RR19EE010) placed in Codeyoung With Package of 4.36LPA.
15. Rakesh G (1RR19EE023) placed in Vintrus With Package of 3-5LPA
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 With Package of 4LPA.
19. Nivedha D (1RR19EE017) placed in FACE With Package of 5LPA.
20. Shambhavi M N (1RR19EE024) placed in FACE With Package of 6LPA.
21. Shambhavi M N (1RR19EE024) placed in Vintrus With Package of 3-5LPA.

FACULTY PUBLICATIONS

1. Dr. P Ebby Darney, “Design of a Customized Intelligent Electronic Device for Power Circuit Safety”, International Journal of Electronics and Informatics, vol.4, issue 3, September 2022.
2. Dr. P Ebby Darney, “ Power Flow Optimization of a Hybrid Energy System with Salp Swarm Algorithm”, International Journal of Electronics, vol.4, issue 4, December 2022.
3. Dr. P Ebby Darney, “Variable Frequency Pulse Control of Llc Resonant Dc-Dc Converter Using Rbfn-Ann Algorithm for Low Voltage Application”, International Journal of Algebraic Statistics, vol.13, issue 3, November 2022.
4. Prof. Bharathi V, “Variable Frequency Pulse Control of Llc Resonant Dc-Dc Converter Using Rbfn-Ann Algorithm for Low Voltage Application”, International Journal of Algebraic Statistics, vol.13, issue 3, November 2022.
5. Prof. Udhyami M B , “Variable Frequency Pulse Control of Llc Resonant Dc-Dc Converter Using Rbfn-Ann Algorithm for Low Voltage Application”, International Journal of Algebraic Statistics, vol.13, issue 3, November 2022.
6. Dr. P Ebby Darney, “Power Quality Analysis of High-Voltage Gain Switched LC Z-Source Inverters”, International Conference of Distributed Computing and Optimization Techniques, Springer Nature Singapore, Pages 723-735, September 2022.
7. Dr. P Ebby Darney, “IoT based Smart Shoes for Blind people”, 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC), August 2022.