



# RAJARAJESWARI COLLEGE OF ENGINEERING

**SPARKS**  
**2021- 2022**

Volume 8, Issue 1



“transformer’z”



## 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:

The Department of Electrical and electronics engineering was formed with the primary objective of providing world class education in the field of electrical engineering, while addressing the problems of today and tomorrow. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring professional students to meet the burgeoning demands of the industry. The strength of the department lies in the highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

Dr. T Chandrashekar Principal, RRCE

### FROM HOD’S DESK:

I am very pleased to pen in our department’s official newsletter ‘SPARK’. 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.

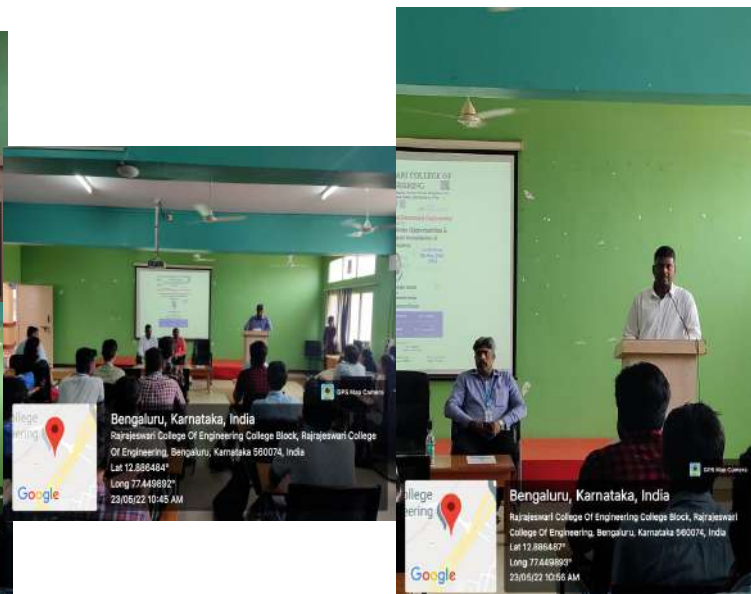
Dr. P Ebby Darney Professor and Head

# ACTIVITIES

## SEMINAR:

*"Activities today is the Achievements of tomorrow".*

The seminar on Entrepreneurship, Business opportunities & Careers in Solar Panel Installation & Maintenance was conducted where the students of final year and Pre-final year students has attended the program which intently gained knowledge on the green energy and opportunities waiting for electrical engineering students. The key speaker Mr. Giridhara Vasu, CEO of Green clouds Renewable Energy gave a brief idea about renewable sources and how the placement opportunities are being created in the society. Which intend our students to get a vast and versatile knowledge on the importance of the subjects they are studying in electrical engineering.



Few points been discussed are noted below:

- ❖ Every type of green energy is renewable, but some types of renewable energy are not green.
- ❖ Solar energy is renewable because the sun will always power, and it is also green because solar power does not emitted greenhouse gases like carbon dioxide.
- ❖ Solar power is pollution-free and causes no greenhouse gases to be emitted after installation.
- ❖ Reduced dependence on foreign oil and fossil fuels.
- ❖ Renewable clean power that is available every day of the year, even cloudy days produce some power.
- ❖ Return on investment unlike paying for utility bills.

About solar panels / To utilize the subject knowledge of power system and Smart Grid / About Energy storage system and energy management System.

## Awards From State Level :

The Prestigious award from KSCST was awarded to our own students of 8th semester has banged the "BEST PROJECT" award for Bladeless wind mill which was guided by Prof. Bharthi V and our students Anand Gunnapur, Swasthik K, Sandeep P, and Jaidev K has banged the Best project award in KSCST 45<sup>th</sup> Series. Our department is proud to get the award





## ACHIEVEMENTS

### Students achievements:

Students have participated in various campus level program and State level program have achieved with good progress in the academic year 2021-2022

On occasion of Engineer's Day, the project exhibition was held and many of our students participated and won prizes.

This was achieved by our students of 7<sup>th</sup> and 5<sup>th</sup> sem. Made us a proud for the achievement of our own students who made the Electrical department proud.

### Students Cultural and Sports Activities:

The students have participated in many sports activity with enthusiasm and had banded first place in many games like Volley ball was banded by girls group by first place and Throw ball was banded by boys group by first place and also the carom was played and they have placed in runner position.



During KALASOURBHA the students have participated actively

in all the events. Where they have achieved many prizes which made our department to reach greater heights



which made our department proud and the students banded 1<sup>st</sup> places in various events and many other places in all the group and stand alone events which as made the department proud.



Especially few group events like Group dance, Fashion show the students showcased their talents well and which was broadcasted in all the news channels due to the theme they used for fashion show. The fashion show theme made a good sight to all the people due to the attire of God and Goddess. Which fascinated the crowd and made to bang the 1<sup>st</sup> place in the events.

Which fascinated the crowd and made to bang the 1<sup>st</sup> place in the events.

## FUNDED PROJECTS

1. Dr. P Ebby Darney, HOD and Professor received funding from Visvesvaraya Technological University (VTU), for the project entitled with “ Optimization of Battery in Electrical Vehicle” with Rs. 5000/- during academic year 2021-2022.
2. Prof. Udhyami M B , Assistant Professor received funding from Visvesvaraya Technological University (VTU), for the project entitled with “Smart Helmet Sensor for Rider and Pillion Rider” with Rs. 5000/- during academic year 2021-2022.
3. Prof. Bharathi V, Assistant Professor received funding from Karnataka State Council for Science and Technology (KSCST), for the project entitled with “Bladeless Wind Mill” with Rs. 6000/- during academic year 2021-2022.

## PLACEMENT DETAILS

1. Anagha.A (1RR18EE003) placed in BOSCH Global Software technologies Pvt Ltd With Package of 5LPA.
2. Swasthik S K (1RR18EE031) placed in BOSCH Global Software technologies Pvt Ltd With Package of 5LPA.
3. Divyashree (1RR18EE013) placed in BOSCH Global Software technologies Pvt Ltd With Package of 5LPA.
4. Jayashree C (1RR19EE402) placed in Lotus Power Gear Pvt Ltd With Package of 3LPA.
5. Anagha.A (1RR18EE003) placed in Technook Pvt Ltd With Package of 4-6LPA.
6. Anagha.A (1RR18EE003) placed in FACE With Package of 3.06LPA.
7. Bhavana Sathish K (1RR18EE006) placed in Msys With Package of 5LPA.
8. Mohammed Kaif (1RR18EE021) placed in Technologies Global Pvt Ltd With Package of 3.6LPA.
9. Mohammed Umer (1RR18EE022) placed in Hexaware Technologies With Package of 6LPA.
10. Vidya Lakshmi P Guddad (1RR18EE034) placed in FACE With Package of 3.06LPA.
11. Manjula Nayak (1RR19EE404) placed in FACE With Package of 3.06LPA.
12. Mohammed Umer (1RR18EE022) placed in Capgemini With Package of 4LPA.
13. Pooja N D (1RR19EE405) placed in Palle technologies.
14. Rakshith P (1RR19EE406) placed in FACE With Package of 3.06LPA.
15. Sai Gnaneshwar C P (1RR19EE407) placed in Msys Ltd With Package of 5LPA.
16. Ujwal M (1RR19EE409) placed in FACE With Package of 3.06LPA.
17. M D Alam (1RR18EE019) placed in Infinite Computer Solution With Package of 4.5LPA.
18. Prajwal R (1RR16EE025) placed in Lokozo Technology for people With Package of 1.68LPA.
19. Chaithra S (1RR18EE007) placed in Technook Pvt Ltd With Package of 4-6LPA.
20. Aaliya Banu K S (1RR18EE001) placed in Computcenter With Package of 3.04LPA.

# FACULTY PUBLICATIONS

1. Dr. P Ebby Darney, “Experimental Investigation of Effects of T3 Hormones on Human Body and their Analysis”, International Journal of Science and Research (IJSR), ISSN:2319-7064, SJIF (2022): 7.942, vol.11, issue 6, June 2022.
2. Dr. P Ebby Darney, “ Optimisation of power quality in BLDC motor using AI and Z source inverter”, International Virtual Conference on Advances in Data Sciences and Theory of Computing (ICADTOC-2022) on 30<sup>th</sup> March 2022- 1<sup>st</sup> April 2022.
3. Prof. Nandini N, “ Speed Control of DC motor by using Multilayer Neural Network Parameter Tuner for PI controller”, Virtual 4<sup>th</sup> National Conference on VLSI Communication and Signal Processing (NCVCS-2021) on 18<sup>th</sup> August 2021.
4. Prof. Sincy Elezebeth Kuruvilla , “ Platooning of Vehicles ”, Virtual 4<sup>th</sup> National Conference on VLSI Communication and Signal Processing (NCVCS-2021) on 18<sup>th</sup> August 2021.
5. Prof. Shivalingaiah K L, “Comprehensive Review of Winding Configuration in Switched Reluctance Motor”, International Conference on Current Trends in Multidisciplinary Research on 1<sup>st</sup> August 2021.
6. Prof. Shivalingaiah K L, “Comprehensive Review of Winding Configuration in Switched Reluctance Motor”, Design Engineering, Issue: 6, pp: 3060- 3067 ISSN: 0011-9342, 2021.
7. Prof. Prutha G, “Smart Heart Attack Detector Using Raspberry pi”, Journal of Chengdu University of Technology, vol. 26, Issue 8, 2021, ISSN: 1671-9727.
8. Prof. Prutha G, “Charging of Electrical Vehicle through Renewable Grids”, Gradiva Review Journal, ISSN No: 0363-8057, vol. 7, issue 9, pp: 331-335, 2021.
9. Kiruthika K, “Cryptography based fault detection in Transmission line: Review”, International Conference on Recent Advances in Science, Technology, Engineering and Managemant (ICRASTEM-2022), Brindavan College of Engineering, Bangalore 29<sup>th</sup> and 30<sup>th</sup> April 2022.
10. Kiruthika K, “Power Monitoring in Hybrid Power System with fault detection” iJRASET, vol.10, issue VI, June 2022.
11. Prof. Sincy Elezebeth Kuruvilla, “Vehicular Platoon Based Traffic Control System”, VB International interdisciplinary research journal, ISBN/ISSN number 2319-4979.
12. Nandini N, “Speed Control of DC Motors by Using Multilayer Neural Network Parameter Tuner for PI Controller”, VB International interdisciplinary research journal, ISBN/ISSN number 2319-4979



# 2021-2022 ACTIVITIES

## *Placement Activity:*

**PROUD ACHIEVED PLACEMENT OF  
ELECTRICAL & ELECTRONICS DEPARTMENT**

## **2021-2022**

**FACE(Focus Academy for Career Enhancement)**



**ANAGHA A**  
**(1RR18EE003)**



**VIDYA LAKSHMI P GUDDAD**  
**(1RR18EE034)**



**MANJULA NAYAK**  
**(1RR19EE404)**

## **Pale Technologies & Technologies**



**BHAVANA SATISH.K**  
**(1RR18EE006)**



**POOJA N D**  
**(1RR19EE405)**



**SAI GNANESHWAR C P**  
**(1RR19EE407)**



**MOHAMMED KAIF**  
**(1RR18EE021)**

## **HEXAWARE Technologies**



**MOHAMMED UMER**  
**(1RR18EE021)**