# POWER PULSE

*Innovating Tomorrow . . .*

AN ISO 9001:2015 CERTIFIED INSTITUTION

# CBIT

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
(UGC-AUTONOMOUS)

# News Letter

Volume-1, Issue-1

Jan-May 2024



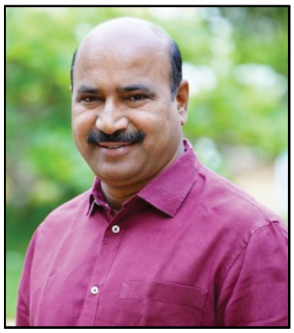
## *Department of Electrical and Electronics Engineering*




cbitofficialpdtr www.cbit.edu.in e-mail : eeehod@cbit.edu.in

## MESSAGE FROM CHAIRMAN DESK

Dear Students, Faculty, and Esteemed Guests,



Dr. V. Jayachandra Reddy
Chairman

I am delighted to present you the first issue of EEE department Newsletter- Power Pulse . Within its pages, you will find a compilation of remarkable achievements, inspiring stories and exciting opportunities. Our Electrical students continue to shine in various academic pursuits, showcasing their dedication and intellectual growth. Our EEE faculty's unwavering commitment to excellence has nurtured their development and we celebrate their accomplishments with great pride. Moreover, our college community has been actively engaged in impactful initiatives, extending our reach beyond the classroom. From community service projects to cultural events, we have fostered a vibrant and inclusive environment where everyone can thrive.

I would like to express my gratitude to the newsletter team for their diligent efforts in bringing this issue to life. Their dedication and passion have made this newsletter a true reflection of our EEE department spirit. I encourage you to explore the newsletter and immerse yourself in the stories that exemplify the essence of our EEE department. Let us celebrate our collective achievements and look forward to a future filled with endless possibilities.

## MESSAGE FROM DIRECTOR'S DESK (BHARATHI EDUCATIONAL SOCIETY)



Mr. V. Lohith Reddy
Director

I am excited to embark on this journey alongside each of you. As we come together once again, let's embrace the opportunities that lie ahead- opportunities to learn, to grow and to make lasting memories. EEE department stands as a beacon of knowledge and growth; it's each one of you who truly brings life to these halls. The pursuit of education is a shared journey, one where faculty, students and staff unite to create an environment of intellectual curiosity and personal development. Let's approach the coming months with an eagerness to learn, a commitment to collaboration and a spirit that uplifts those around us. Together we can achieve remarkable things and continue to make EEE department a hub of innovation and enlightenment.

## MESSAGE FROM DIRECTOR'S ( R & D and ACADEMICS) DESK



Dr. G.K.D Prasanna Venkatesan
Director (R&D and Academics)

Greetings! It brings immense pleasure for me to share my thoughts through this newsletter. India is such a wonderful country, in which more emphasis is given for education. As we are front runners in establishing oldest University system in the world.

Department of EEE in CBIT is much inclined and committed towards the development of enriched curriculum and bring quality education to students, by providing facilities through state of art labs, problem based learning, project based learning. I take this opportunity to appreciate our EEE department faculty members for their tiredless efforts in promoting quality education to students as per NEP.

Department of EEE being NBA and NAAC accredited, the department is much focused towards research and development activities. As we navigate the ever-evolving landscape of technology and knowledge, the role of R&D becomes increasing pivotal. It is through research that the department remains at the forefront of innovation, embracing emerging technologies and pioneering new solutions. The opportunities are limitless and I encourage each of you to seize them wholeheartedly.

## MESSAGE FROM PRINCIPAL DESK



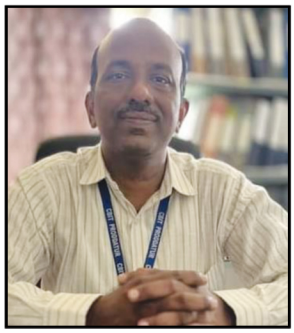
**Dr. G. Sreenivasula Reddy**
Principal

I am thrilled to present the first edition of EEE department newsletter, brimming with updates, achievements and opportunities that embody the spirit of EEE department. This newsletter is a testament to the collective efforts of EEE students, faculty and staff. It showcases the remarkable strides we have made in various areas from academics to extracurricular activities, community engagement and more.

EEE department student's accomplishments continue to impress both inside and outside the classroom. Their dedication in studies, creative pursuits and personal growth is truly commendable. I am proud to witness their achievements and celebrate their successes. Equally deserving of praise are EEE department faculty members who tirelessly support and mentor EEE students. Their commitment in providing quality education and nurturing the potential of each student is a cornerstone of EEE department's success.

Furthermore this newsletter highlights EEE department's community engagement initiatives. From volunteering projects to awareness campaigns, we have shown our collective commitment to making a positive impact in society. Together we have become catalysts for change and advocates for social progress. I extend my gratitude to the newsletter team for their hard work in capturing and sharing the essence of EEE community. Their dedication has truly brought this issue to life. I encourage all of you to take a moment to delve into the pages of this newsletter, embrace the stories and embrace the opportunities it presents.

## HEAD OF EEE DEPARTMENT DESK



Mr. N. Vara Prasad
HOD

Welcome to the department of electrical and electronics engineering at CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, PRODDATUR. We are happy to inform that our pride rests in the Newsletter, which highlights the academic and non-academic activities of both staff and students of the department.

The Department of Electrical & Electronics Engineering was established in 2008 with an intake of 60 plus 12 Lateral Entry. The department is headed by Mr. N.Vara Prasad who has a vast industrial and teaching experience and is ably supported by 14 well qualified vibrant faculties, which includes 03 Associate Professor and 11 Assistant Professors. In addition, the department is supported by 04 non-teaching staff.

During every semester, the calendar of events is prepared, which implicitly incorporates all the curricular and extra-curricular activities of the department and is followed meticulously without any deviation. Importance is given to quality teaching and learning process through faculty development programs for teachers and soft skill programmes for students. Special care is taken about the students whose performance is poor in the examinations through counseling and extra classes.

The students are encouraged to participate in seminars conducted by other Engineering Colleges. They are made to compulsorily participate in the weekly departmental activities such as debate, extempore, group discussion, Quiz and brain storming sessions. At least three expert lectures are arranged every semester by experts from industries and leading Educational Institutions on advance topic to the benefits of both staff and the students. The staff members are encouraged to attend national and state level workshop to enhance their knowledge.

The department has very well established Laboratories with sophisticated equipment supplementing the academic needs of the students.

Some of the laboratories are:

1. Electrical Circuits & Measurements
2. Power Systems Lab
3. Control Systems Lab
4. Electrical Machines – 1 Lab
5. Power Electronics Lab
6. Electrical Machines – 2 Lab
7. Electrical Simulation Lab

# DEPARTMENT ACTIVITIES

## DEPARTMENT CORNER :

The Department of EEE has proudly Organized 1st International Conference on Innovative Approaches in Engineering and Technology (ICIAET-24) held on April 5th and 6th -2024 in CBIT Campus.




**ICIAET-24 Conference Brochure**

## FACULTY ACHIEVEMENTS :

1. Mr.N.Vara Prasad has presented a conference paper on "Exploring the Dynamics: A Comprehensive Review of PLL's" in ICIAET-24.
2. Mr.P.Mirian Kumar, Mr.Y.Praveen Kumar Reddy, Ms. K. Navatha and Mr. G. Manoj Kumar have presented a conference paper on "Distributed Power Flow Controller (DPFC) Simulation" in ICIAET-24.
3. Mrs.R.Sumalatha, Mr. C. V. Narasimhulu and Ms. K. Keerthi have presented a conference paper on "Voltage Profile Improvement in Power System using an Interline Power Flow Controller and Cuttlefish Algorithm" in ICIAET-24.
4. Mr. P. Nagarjuna has presented a conference paper on "Investigation of Optimal Buses and Capacity for Integration of Capacitors in RPDS for Maximum Economic Profit" in ICIAET-24.
5. Mr.D.Vishnu Vardhan Reddy, Mr. P. Nagarjuna and Mr. G. Manoj Kumar have presented a Conference Paper on "E-Range Estimation of Electric Vehicle using SoX Algorithms with Kalman Filters" in ICIAET-24.
6. Mr. N. Vara Prasad, Mr. P. Nagarjuna, Mr. K. Balanjaneyulu and Mr. G. Manoj Kumar have presented a Conference Paper on " A Novel AI Based Sensory Cyber Physical System for Mapping Tidal Energy" in ICIAET_24.
7. Dr. V. Mahesh Kumar Reddy Carried Out an International Conference as a Convenor on Innovative Approaches in Engineering and Technology (ICIAET-24) at CBIT, Proddatur. Processed nearly 210 papers for publication in AIP Publications.
8. Dr. S. Aslam Carried Out an International Conference as a Co-Convenor on Innovative Approaches in Engineering and Technology (ICIAET-24) at CBIT, Proddatur.
9. Mr. N. Vara Prasad and Mr. Y. Praveen Kumar Reddy carried out as Co-Session Chairs in ICIAET-24 Conference.
10. Mr. G. Manoj Kumar had participated in 3 Days National Level Workshop on "IPR & IP management for Startups" organized by IPR Cell & IIC , Kanya Maha Vidyalaya , Jalandhar, Punjab in Collaboration with CSIR-IMMT Bhubaneswar from 10th to 12th April-2024.
11. Dr. S. Aslam has Published Two Book Chapters (4 & 21) in a book entitled 'Real-World Challenges in Quantum Electronics and Machine Computing' by IGI Global Publishers (Scopus Indexed) with DOI: 10 4018/979-8-3693-4001-1.
12. Dr. V. Mahesh Kumar Reddy and Mr. Y. Praveen Kumar Reddy have actively participated the Five-Day Faculty Development Program on "Advancing Power Grid Operations: Integrating Renewable Sources and EV's at Scale" Organized by the Center for Emerging Energy Technologies from 20/05/2024 to 24/05/2024 (Online Mode) Conducted by SR University, Warangal.
13. Mr. N. Vara Prasad, Dr. S. Aslam, Dr. V. Mahesh Kumar Reddy, Mr. P. Nagarjuna. Mr. Y. Praveen Kumar Reddy, Mr. D. Vishnu Vardhan Reddy, Mr. K. Balanjaneyulu, Mr. G. Manoj Kumar and Mr. P. Mirian Kumar have attended Workshop on "Strategic Communication and Soft Skills Development" on 25/05/2024, Organized by Department of Humanities & Science , by Chaitanya Bharathi Institute of Technology, Proddatur.

# CELEBRATIONS

**FAREWELL DAY :**

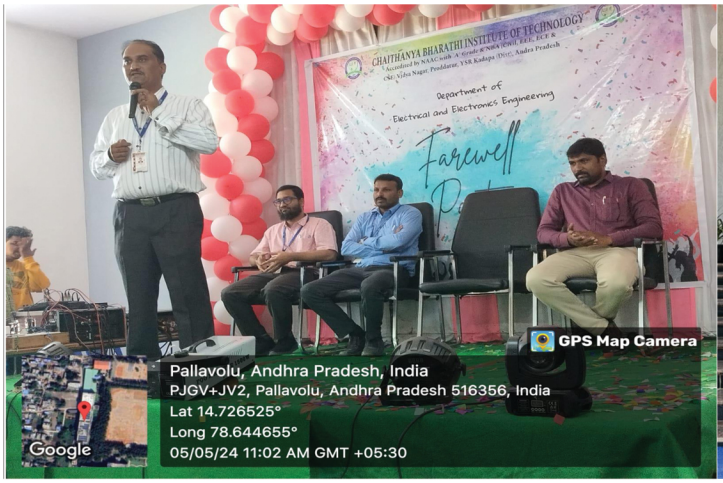
The Department of EEE celebrated “Farewell day” for the graduates of CBIT (AUTONOMOUS) was held on 05-05-2024 at

A Block -005.This memorable event, themed " FAREWELL PARTY 2023-24 " was a celebration of the achievements, memories, and future aspirations of the graduating class of final years.

"Building Futures : The Final Blueprint" was a fitting theme for a day filled with reflection, celebration, and anticipation. The Farewell Day event marked the end of an important chapter and the beginning of new adventures for the B. Tech EEE Engineering graduates of 2024. The event was a resounding success, leaving everyone with lasting memories and a sense of accomplishment.




**Farewell Day**




**Inaugural Speech by Principal Sir**



**Final Year Students Group Photo (Batch: 2020-2024)**

**Academic Toppers**:

The following are the Toppers of the IV-I EEE, A.Y:2023-24

| S.N0 | Roll Number | Name of the Student | Academic % |
|---|---|---|---|
| 1 | 212P5A0210 | DORANADULA SRIVALLI SUSMITHA | 86.13 |
| 2 | 202P1A0214 | PAVANI SAI DEEPAK | 85.75 |
| 3 | 202P1A0212 | PALLA RAGASUDHA | 85.13 |

The following are the Toppers of the III-I EEE, A.Y:2023-24

| S.N0 | Roll Number | Name of the Student | Academic % |
|---|---|---|---|
| 1 | 222P5A0234 | SILIVERU HARI KRISHNA | 85.05 |
| 2 | 222P5A0204 | BHATTARAJA PASUPULA GAYATHRI | 84.84 |
| 3 | 222P5A0209 | CHIMMANI VENUMUNI | 84.73 |

The following are the Toppers of the II-I EEE, A.Y:2023-24

| S.N0 | Roll Number | Name of the Student | Academic %(CGPA) |
|---|---|---|---|
| 1 | 222P1A0210 | C.VYSHNAVI | 9.44 |
| 2 | 222P1A0218 | G.D.BHAVYA SREE | 9.44 |
| 3 | 232P5A0214 | V.LATHA SREE | 9.44 |

The following are the Toppers of the I-I EEE, A.Y:2023-24

| S.N0 | Roll Number | Name of the Student | Academic %(CGPA) |
|---|---|---|---|
| 1 | 232P1A0211 | N.JYOSHNAVI | 8.13 |
| 2 | 232P1A0205 | K.VINITHA DEVI | 8.00 |
| 3 | 232P1A0202 | C.SARANYA | 7.87 |




**Academic Toppers in III - I Results**




**Academic Toppers in II - I Results**




**Academic Toppers in I - I Results**

**STUDENTS ACHEIVEMENTS :**

1. G.D.Bhavya Sree bearing Roll Number 222P1A0218 has participated in Declaration Competition on "MYBharat- Viksit@2047" held at NEHRUYUVA KENDRA, Kadapa on 08/01/24.
2. D.Sai Vignesh bearing Roll Number 222P1A0211 has participated in Declaration Competition on "MYBharat Viksit@2047" held at NEHRUYUVA KENDRA, Kadapa on 08/01/24.
3. D.Nazeer Basha bearing Roll Number 232P5A0206 has participated in Declaration Competition on "MYBharat-Viksit@2047" held at NEHRUYUVA KENDRA, Kadapa on 08/01/24.
4. K.Venkata Chandu bearing Roll Number 232P5A0207 has participated in Declaration Competition on "MYBharat- Viksit@2047" held at NEHRUYUVA KENDRA, Kadapa on 08/01/24.



II EEE students participated in MYBharat-Viksit@2047" held at NEHRUYUVA KENDRA

5. A.Veera Chaitanya bearing Roll Number 222P1A0201 from II EEE has participated in KABAADI game in "AADUDAM ANDHRA", a State level tournament-2023 organized by Sports Authority of Andhra Pradesh, held at ABMHS , Proddatur from 24.01.2024 to 30.01.2024 and achieved first prize , received a Momemto, certificate and trophy along with Rs. 35000 cash award.




II EEE Student Won I prize in AADUDAM ANDHRA-23 from Government of A.P.




II EEE Student with I prize in AADUDAM ANDHRA-23

6. T. Deepika from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.
7. V. Praneetha from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.
8. T. Naga Sindhuja from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.
9. L. Sucharitha from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.
10. K. Anitha from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.
11. R. MahaLakshmi from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.
12. S. Akhileswari from II EEE has participated in Coding Contest of Ripple-2k24, organized by Department of CSE, RGMCET, Nandyal held on 2nd, 3rd & 4th April-2024.



RGM COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
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Accredited by NBA (6-Times), Accredited by NAAC with A+ Grade (Cycle-3), New Delhi; World Bank Funded Institution
Nandyal -518501, Nandyal (Dist), A.P., India

Ripple - 2k24

CONCURRENCE

XVII NATIONAL LEVEL TECHNICAL SYMPOSIUM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. K.Anitha
of CBIT has participated in (Paper Presentation / Poster Presentation / Technical Quiz / Coding Contest / Web Design / Bug Fixing) of Ripple-2k24, Organized by Department of CSE, RGMCET held on 2nd, 3rd & 4th April,2024.

Dr. K. Subba Reddy
Program Director & HOD

Dr. T. Jaya Chandra Prasad
Principal

II EEE Student Participated at Ripple-2k24, RGMCET, Nandyal

*As we conclude this edition of our Electrical and Electronics Department newsletter, we reflect on the remarkable achievements and developments that have taken place over the past semester. From ground breaking research projects to successful industry collaborations, our department continues to thrive as a hub of innovation and excellence. The faculty's relentless commitment to advancing the frontiers of electrical engineering through cutting-edge research and dynamic teaching methods has been instrumental in shaping the future leaders of the industry. Their contributions to various research projects and publications are a testament to their expertise and dedication. Our students have demonstrated exceptional talent and dedication, excelling in both academic and extracurricular activities. Their participation in national competitions and internships has not only brought laurels to the department but also showcased the high caliber of our academic programs.*

*We are also grateful for the continued support from our alumni and industry partners. Their involvement in guest lectures, mentorship programs, and collaborative projects has enriched the learning experience of our students and strengthened the bridge between academia and industry. As we look forward to the upcoming semester, we are excited about the new opportunities and challenges that lie ahead. With a focus on sustainability, innovation, and community engagement, we are committed to making a positive impact on society through our work in Electrical and Electronics Engineering.*

*Thank you for being a part of our journey. We encourage you to stay connected and continue to support our endeavors. Together, we will build a better future.*


## EDITORIAL DESK

EDITOR-IN-CHIEF

Mr.N.Vara Prasad, Associate Professor and HoD

EDITORIAL MEMBERS

Mr.Y.Praveen Kumar Reddy, Assistant Professor

Dr.S.Aslam, Associate Professor

Dr. V. Mahesh Kumar Reddy, Associate Professor

Mr. P. Nagarjuna, Assistant Professor

Mr. D.Vishnu Vardhan Reddy, Assistant Professor