

# CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY



(Approved by AICTE, Affiliated To Acharya Nagarjuna University)

Chalapathi Nagar, LAM, Guntur-522034

Accredited by NBA NAAC with 'A' Grade



## NEWS LETTER

### Department of Electrical and Electronics Engineering

**WELCOME:** "The Newsletter Welcomes You for the Volume-9, Issue-2, July -Dec 2022"

#### ABOUT CIET:

Chalapathi Institute of Engineering & Technology (CIET) is located at Lam, Guntur, 5 Km from the heart of the city. The college was established in the year 2007. It is affiliated to Acharya Nagarjuna University and approved by AICTE, New Delhi. The main aim is to create unique environment conducive to learning and committed to excellence. The college bestows an erudite atmosphere crafted with ethics, to adorn the education of the students. The college is geared up with excellent facilities and state-of-the-art infrastructure. It inculcates research attitude within the students and concurrently nurtures them with industry-demanding caliber.

**VISION:** To emerge as an Institute of Excellence for Engineering and Technology and provide world-class education and research opportunities to the students catering to the needs of society.

#### MISSION:

- To be a student centric institute imbibing experiential, innovative and lifelong learning skills with academic rigor
- To produce graduates who are knowledgeable, innovative and empathetic.
- To inculcate entrepreneurial attitude and values amongst Learners.

#### ABOUT EEE DEPARTMENT:

The Department of Electrical and Electronics Engineering lays emphasis on Teaching and Research activities in diversified areas thereby, moulding the students to be Analytical Thinkers, Skilled Communicators and Ethical Leaders.

**VISION:** To generate professionally competent, research oriented and eminent technocrats towards the development of state of art products and technologies to face the perpetual requirements of the society and to inculcate the notion of entrepreneurship in the minds of students

#### MISSION:

DM1: Provide the domain expertise and state of art infrastructure.

DM2: Provide advanced application/research oriented engineering laboratories, for Research and product development.

DM3: Offer a platform for industry orientation to become successful service oriented technocrats.

#### HOD's Message

I am happy to note that the magazine brought out in our EEE department is of good quality and taste. Hearty congratulations to the editorial team. The Department's main objective is to conduct competitive research and deliver high quality teaching. We want to develop graduate engineers with the skills, knowledge and imagination to help shape our country. The zeal and fervor with which the department is working will surely achieve many more things in the future as 'Research Centre of Excellence', 'Accreditation', and 'Autonomy'.



**Dr. P.SANGAMESWARA RAJU**  
Professor & HOD

*Our greatest weakness lies in giving up. The most certain way to succeed is to try just one more time*

*-Thomas A. Edison*

## DEPARTMENT ACTIVITIES

- The Department of electrical and electronics engineering organized Seven days work shop on “Modern Trends In Switch Gear & Protection” from 14<sup>th</sup> to 19<sup>th</sup> November 2022



The Department of electrical and electronics engineering organized technical quiz competition On 09.10.2023 and 10.10.2023



- The Department of electrical and electronics engineering organized a one day seminar on “Electrical consumption and safety” on 18.07.2023
- The Department of electrical and electronics engineering organized seminar on “Optimum Generation of Power from Thermal Power Plants” on 10.08 2023 by EEE Department.



- The Department of electrical and electronics engineering organized expert talk on “ transformer testing & transformer oil filtration” on 15.09.2024



The Department of electrical and electronics engineering organized seminar on “Higher Studies and Job Opportunities” on 22.09.2023



## FACULTY ACHIEVEMENTS

### Patent

1. **Mr T Venkatesh and Mr P Rajendra Bhanu Teja** has patent on “Compressed air production and energy generation using vehicle suspension” is published 22<sup>nd</sup> July 2022
2. **Mr. M. Malleswararao** has patent on “Artificial Intelligence based smart accident detection through video surveillance using Computer vision and Deep Learning Algorithms” is published 22<sup>nd</sup> July 2022
3. **Mr. M. Malleswararao** has patent on “Artificial Intelligence and IOT based electric vehicles monitoring system in smart cities using Deep Learning Algorithms” is published 21<sup>st</sup> October 2022.
4. Mrs. Manne Bharathi Has Patent On OTIC And Map Lead META IOT And AI Image Processing Based Rob Vehicle To Identifyl Concentration In Agricultural Soil” Is Published 02/12/2022

### Publications:

1. **Mr.PV Narendra Kumar, Dr Ch.Chengaiyah, Mr.J Leela Krishna, Mr.S. Manoj Prabhakar, Ms.P Prasanna , Mr.P Srinu** Published a paper on “Improving the Boiler Efficiency & Coal Usage Reduction in Thermal Power Stations”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July-August.2022.
2. **Mr. K. Murali Krishna Raju, Ms.B. Keerthi, Ms.M. ReshmaDaneela, Mr.K. Siva Kumar and Mr.D. Sandeep** Published a paper on “ Artificial Intelligence Based Speed Control of DC Motor Using PIDN Controller”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July-August.2022
3. **Mrs.N. Vanajakshi, Mr.K. Siva Radha Krishna Murthy, Ms.N. Likhitha, Ms.B. Komali, Mr.G.**

- Ramesh** Published a paper on “ Detecting And Addressing The Interruption In Electrical Poles And Transformer Control”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July-August.2022
4. **Mr.T. Venkatesh, Ms.M. Sireesha, Mr.P. Suresh, Mr.K. Ganesh Kumar, Mr.B.RameshNaidu** Published a paper on “ Automatic Energy Meter using WiFi-Enabled ESP-32”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  5. **Mr.M.Malleswrrao, Ms.P.Ayesha, Ms.T. Purna Lakshmi, Ms.G.Madhu Mitha, Mr.P.Anudeep** Published a paper on “ Smart Agricultural Using Wireless Sensor Monitoring Network Powered By Solar Energy”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  6. **Mr.P. Rajendra Bhanuteja, Ms.K. Pavani, Ms.J. Anusha, Mr.T. Krishna Rao, Mr.A. Bala Rama Krishna** Published a paper on “A Proportional Investigation among UPFC and DPFC in Grid Associated Photovoltaic Organization”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  7. **Mr.B.Bala krishna, Mr.J. Ramakrishna, Mr.G.Ashok, Mr.Ch. Gopi, Mr.Sk. Yasin Sardar** Published a paper on “ Advanced Fire Detection System in Trains”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  8. **Mr.Mogili. Venkatrao, Ms.Ch. Joshna Rani, Ms.T. Nandhini, Mr.G. Sharon, Mr.B. Nagaraj** Published a paper on “ IOT Based Anti –Theft Face Detection And Vehicle Tracking”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  9. **Mr.R Surya Naik, Ms.Ch Sravani, Ms.G Venkata Niharika, Ms.M Madhavi, Mr.N Sai Kumar,Mr. N Suresh** Published a paper on “ Battery And Super Capacitor Based Energy Storage System For An Electric Vehicle”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  10. **Ms. M. Susmitha, Mr.M. Premchand, Ms.G. Mounika, Mr.K. Koushik, Mr.E. Sujith Kumar, Ms. P. Annie** Published a paper on “ IOT Based Design and Implementation of Hybrid Electric Vehicle using Control of DC Motor”, in International Journal of Advanced Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022
  11. **Mr.P V Narendra Kumar, Dr Ch Chengaiah, Mr.U Johnson Babu, Mr.S Praveen Kumar, Mr.D Bhrgava, Ms. P Likhitha** Published a paper on “ Fuzzy Dynamic Programming Approach Based Economic Load Dispatch of Thermal Power Generating Stations”, in International Journal of Advanced

Trends in Engineering, Science and Technology (IJATEST-ISSN:2456-1126), Volume.7.Issue.4,July August.2022

### NPTL Coerces:

1. **Mr.P.V.Narendra kumar got** NPTEL Online Certification for successfully completing the course research Methodology
2. **Mr.P.V.Narendra kumar got** NPTEL Online Certification for successfully completing the course Teaching and Learning in Engineering
3. **Mr.P.V.Narendra kumar got** NPTEL Online Certification for successfully completing the course Fuzzy Logic And Neural Networks.
4. **Mr.B.Bala Krishna** was recognition as mentor for the NPTEL Online Certification course Design Of Photovoltaic Systems ,Jul-Dec 2022

### Seminars / Webinar

5. **Mr. K.Murali Krishna Raju, Mr. M. Malleswararao and Mrs.M.Susmitha** was Attended information security education Awareness project phase-II, programmed by ministry of electronics & information technology, government of India. They successfully completed the requirements for cyber hygiene practices and certified as **Cyber Hygiene Practitioner**. On 01/10/2022.

### Workshops

1. **Mr.P.V.Narendra Kumar And Mr. K.Murali Krishna Raju** Has Successfully Participated & Completed Two Days International Workshop On “Recent Trends In Nuclear Science & Material Science” Held On 5th & 6th September 2022.

### FDP Attended

1. **Mrs. Manne Bharathi** attending IEEE CIS Summer School/FDP on "Research Trends in Artificial Intelligence and Machine Learning for Engineering Challenges" held at Malaviya National Institute of Technology Jaipur, India from December 6th -10th, 2022 sponsored by IEEE Computational Intelligence Society.
- 2.
3. **Mr.P.V.Narendra Kumar And Mr. K.Murali Krishna Raju** Has Participated In National Level Online Hands On Faculty Development Program On "Emerging Technologies In Electrical Engineering" Conducted By The Department Of EEE On 28<sup>th</sup> November To 2<sup>nd</sup> December, 2022 In Pace Institute Of Technology And Sciences, Ongole.
4. **Mr.P.V.Narendra Kumar And Mr. K.Murali Krishna Raju** Has Attended Seven Days "E-Tabs Soft Skill Training Programme" Organized By Rajarajeswari College Institution Innovation Council (Rriic), Bengaluru From 01.09.2022 To 07.09.2022
5. **Mr.P.V.Narendra Kumar And Mr. K.Murali Krishna Raju** Eight-Day Faculty Development Program On *Research, Publication And Patent In Humanities And Sciences*, For Faculty And Researchers, Organized By The Department Of English And Other Foreign Languages, Srm Institute Of Science And technology, Ramapuram Campus, Chennai-600089, From 22nd To 30th August 2022.
6. **Mr.P.V.Narendra Kumar And Mr. K.Murali Krishna Raju** Participated In One Week Faculty Development Program On Artificial Intelligence For Sustainable Development Organized By The Artificial Intelligence Research Centre, Department Of Computer Science & Engineering, Bbd University From September 17-22, 2022.

## NEWS CLIPS

## సాక్షి

## చలపతిలో ముగిసిన వర్క్ షాప్

గుంటూరు రూరల్: వర్క్ షాపుల వల్ల విద్యార్థుల్లోని సృజనాత్మకతను మెరుగు పరచవచ్చని హైదరాబాదుకు చెందిన హెచ్ఐఈఈ సంస్థ డైరెక్టర్ కె. మదన్మోహన్ తెలిపారు. వారం రోజులుగా చలపతి ఇంజనీరింగ్ కళాశాలలో ఈఈఈ విభాగం ఆధ్వర్యంలో నిర్వహిస్తున్న వర్క్ షాప్ ఆదివారంతో ముగిసింది. ఈ సందర్భంగా జరిగిన సభలో మదన్ మాట్లాడుతూ వర్క్ షాపుల ద్వారా విద్యార్థులు నూతన ఆలోచనాత్మకతను పెంచుకోవచ్చన్నారు. వర్క్ షాపులో ట్రాన్స్ఫార్మర్ నిర్వహణ, పనితీరు, పరిరక్షణ, సబ్ స్టేషన్ రక్షణను ప్రయోగాత్మకంగా చూపారు. ఉత్తమ ప్రయోగాలను నిర్వహించిన విద్యార్థులకు బహుమతులు అందజేశారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపాల్ ఎం. చంద్రశేఖర్, వైస్ చిప్రెసిడెంట్ కె. కిరణ్ కుమార్, ఈఈఈ విభాగాధిపతి నరేంద్రకుమార్ పాల్గొన్నారు.



విజేతలకు బహుమతులు అందిస్తున్న కళాశాల యాజమాన్యం

## చలపతిలో ముగిసిన వర్క్ షాప్

లాం(తాడికొండ), నవంబరు 20: లాం చలపతి ఇంజనీరింగ్ కళాశాలలో ఏడు రోజులుగా నిర్వహిస్తున్న వర్క్ షాప్ ఆదివారం ముగిసింది. ట్రాన్స్ఫార్మర్ నిర్వహణపై హైదరాబాద్ కు చెందిన హెచ్ఐఈఈ డైరెక్టర్ మదన్మోహన్ గౌడ్ విద్యార్థులకు శిక్షణ అందించారు. ట్రాన్స్ఫార్మర్ నిర్వహణ వాటి పనితీరు, పరిరక్షణ, సబ్ స్టేషన్ రక్షణ, ట్రాన్స్ఫార్మర్ భద్రత తదితర వాటిపై విద్యార్థులకు అవగాహన కల్పించారు. ఈ సందర్భంగా కళాశాల ప్రిన్సిపాల్ ఎం చంద్రశేఖర్ మాట్లాడుతూ వర్క్ షాపులతో విద్యార్థులకు ఉపాధి అవకాశాలు మెండుగా లభిస్తాయన్నారు. నైపుణ్యాలను మెరుగుపర్చుకోవడానికి ఎంతగానో ఉపయోగపడుతాయని తెలిపారు. అనంతరం మదన్మోహన్ గౌడ్ ను సన్మానించారు. కార్యక్రమంలో వైస్ చిప్రెసిడెంట్ కిరణ్ కుమార్ ఈఈఈ విభాగాధిపతి నరేంద్రకుమార్లు పాల్గొన్నారు.

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