TVISHI

(TKREC'S Ray Of Vision & Brilliance)

NEWSLETTER

ISSUE | 02

JULY - DECEMBER | 2023

TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(UGC-AUTONOMOUS)

(Approved by AICTE, NBA & NAAC- 'A' Grade. Affiliated to JNTUH)



Vision of the Institute

Imparting Knowledge and instilling skills to the aspiring students in the field of engineering, Technology, Science andManagement to face the emerging challenges of the society.

Mission of the Institute

- **Encouraging scholarly activities that transfer knowledge in the areas of Engineering, Technology , Science and Management.**
- **Ensuring Students of all levels well trained to meet the needs of education and their future endeavors.**
- **Inculcating human values and ethics into the education system for the all-round development of the students.**

Courses Offered

UG Courses in CE, EEE, ECE, CSE, CSG, AIML & IT & PG Courses in M.Tech & MBA.

Diploma Courses in CE, EEE, ECE & CSE.

Institute Quality Policy

Teegala Krishna Reddy Engineering College is committed to provide quality Technical education to the students through dedicated and talented faculty, good infrastructure,

Teegala Krishna Reddy Engineering College (TKREC) was established in the year 2005 with a vision of imparting technical education and meeting the growing demands of trained engineers for various industrial and developmental projects. It is an Autonomous college accredited by NBA, NAAC-A, affiliated to JNTUH and approved by AICTE.

Editorial Board

Chief Editor:
Dr.K.Venkata Murali Mohan (Principal)

Editor: Mrs.G.Padmavathi(H&S)

Associate Editors:
Mr.G.Rajkumar (IT)
Mrs.P.Swetha (CSE)
Mrs.S.Prathyusha (ECE)
Mrs.K.R.Sree Jyothi (EEE)
Mrs.S.Nagalaxmi (CE)
Mrs.Sangeetha Jhawar (AIML)
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Under the guidance of our charismatic Chairman Sri Teegala Krishna Reddy, the erstwhile Mayor of Hyderabad, Ex-Chairman of HUDA and Ex-MLA of Maheshwaram, the TKR Educational Society has grown into an embodiment of academic and moral values.

The Chairman, with a commendable reputation of disseminating education to innumerable youth of our country always vouches the fact that education is not just technical excellence, but an overall development of personality that envisages social and ethical values

Sri Teegala Krishna Reddy
(Chairman)

" The newsletter which is being rolled out today marks the launch of an effervescent activity that would enable the management to bring out to the eyes of the competitive world, the academic achievements of our prestigious institution."



Dr T.Harinath Reddy is a medical professional, who strongly believes that creativity, innovativeness and the urge to think differently alone can help students to become masters in any field of study.

" The essence of Engineering and Management education which has spread in India is a very positive sign not only to cater domestic needs but provide manpower to the entire world and become biggest technically trained community. Teegala Krishna Reddy Educational Society is a venture contributing to this Endeavour. We have started with full force to play a leading role in providing quality education and careers.

Dr. T. Harinath Reddy
(Secretary)

We have identified the needs of modern engineering, technology and management education for modern age students, with a vision and mission accompanying transparency, accountability and accessibility which keeps us.



Mr. T. Amarnath Reddy , an MBA graduate with his management skills has taken the responsibility of making the educational society reach the highest peaks of development.

" The motive of TKRES is to develop a global perspective to cope -up with the fast changing technology scenario. In addition to this, values with discipline are the hallmark of our college, besides, ensuring quality of the students; here the emphasis is not only on academic excellence but the development of the overall total personality of a student. To achieve this goal, add on courses, training in personality development, and other soft skills are also provided in our college.

Sri. T. Amaranath Reddy
(Treasurer)

We take special care to ensure that new ideas are not merely discussed here but executed. Execution of new ideas helps the faculty and students to tread the path of 'Innovation' which is the slogan of our Institution. As excellence is the only criterion for selection of students, we are confident that in due course, promises will become 'Achievements' in their respective fields."

Dr.K Venkata Murali Mohan, an accomplished Electronics & Telecommunications Engineer from Nagpur University, Nagpur has completed his M.Tech from JNTU, Kakinada, Ph.D from Acharya Nagarjuna University in Computer Science Engineering(2016) and Ph.D form Rayalaseema University, Kurnool in Electronics and Communications Engineering(2019). He nurtures an intense sense of social and environmental responsibility through academic and co-curricular activities.

He continues to strive towards the attainment of his organizational goals in the interest of the TKRES.



Dr. K.Venkata Murali Mohan
(Principal)



Dr B. Srinivasa Rao
(Vice-Principal)

Dr .B. Srinivasa Rao, Professor of CSE ,Vice-Principal and Dean of Academics at Teegala Krishan Reddy Engineering College, is a highly accomplished and experienced educator with a Ph.D. from Acharya Nagarjuna University. With over 20 years of teaching experience, he has supervised and mentored three awarded Ph.D. candidates and currently guides five others.

Editorial

A positive attitude helps you cope more easily with the daily affairs of life. It brings optimism into your life, and makes it easier to avoid worries and negative thinking. If you adopt it as a way of life, it would bring constructive changes into your life, and makes them happier, brighter and more successful.

With a positive attitude you see the bright side of life, become optimistic, and expect the best to happen. It is certainly a state of mind that is well worth developing.

Positive attitude manifests in the following ways:

* Positive thinking

* Constructive thinking

* Creative thinking

* Optimism

* Motivation and energy to do things and accomplish goals

A positive attitude leads to happiness and success and can change your whole life. If you look at the bright side of life, your whole life becomes filled with light. This light affects not only you and the way you look at the world, but it also affects your environment and the people around you.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering is headed by Dr.Ch.V.PHANI KRISHNA who has 14 Years of experience. The aim of the department is to provide high quality education along with training the students with all the new advancements in the computers field.

The department is keen in academic exposure of the students to the latest domain trends which conducs a series of seminars and workshops regularly to help the faculty and students in updating their knowledge about the latest tools and technologies.



Dr.Ch.V.Phani Krishna
(HOD)

Vision

Enhance learning that promotes techno graduates aiming employability and entrepreneurship with human values to face the challenges in the global technological society

Mission

Empowering students for professional career and higher studies by providing hands on experience and value education to become successful technocrats in the society.
Nurturing students with interpersonal and entrepreneurial skills, so that they gain ability to work as a team.
Imparting quality education, employability skills and techno ethical values among the students for the benefit of the society.

DEPARTMENT EVENTS

* *A 45 day training program on "TNS INDIA Foundation collaborated with JP Morgan. C2TC (Campus to Technical Career) Physical screening for final year student of CSE department in TPO Cell*





- *Internal Hackathon- SMART INDIA HACKATHON was conducted for students on 29th September 2023*





- *A two day workshop on "MACHINE LEARNING"was conducted for studentsfrom 14th to 15thDec 2023*





FACULTY ACHIEVEMENTS

- *Dr. Ch. V. Phani Krishna completed the post doctoral fellow certificate programme in CSE with the title "Metaphor Evaluation for Software Development by Using Extreme Programming" and published two scholarly papers.*
- *Dr. K . Bhargavi completed the post doctoral fellow certificate programme in CSE with the title "Classification of Brain Disorder Diseases through medical image processing using Machine Learning" and has published two scholarly papers.*





- *Dr. Ch. V. Phani Krishna got certificate of acceptance for patent on "Validation On Selected Breast Cancer Drugs Of Physicochemical Features By Using Machine Learning Models"in International Journal of Public Health Science(IJPHS) (ISSN 2252 8806)*





- *Dr. Ch. V. Phani Krishna received a certificate of reviewer into peer review process of manuscripts submitted to the international conference on "Algorithms In Advanced Artificial Intelligence (ICAAAI- 2023)"organized by department of CSE at S.R.K.R Engineering College*

• *Dr. Ch. V. Phani Krishna and Dr. B. Srinivasa Rao published a paper in International conference on algorithms in advanced artificial intelligence (ICAAAI- 2023),presented a paper entitled "Artificial Intelligence based communication through cat facial Expression"organized by department of CSE at S.R.K.R Engineering College, Bhimavaram, AP from 22nd to 24th Dec 2023.*





• **Dr. M. Suresh Babu**

• Published a Conference paper on" Data Protection Bill – Boon or Bane to Indian Digital economy – National Conference on Cyber Law and Cyber Security – issues & Challenges" in Hidayatullah National Law University.

• Published a paper on "Forecasting election results using Machine learning Techniques - Communication and Management Journal"(ISSN - 2269-7195).

• Participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "K Nearest Neighbour: A Dynamic Model " ICDTCCS 2023.

• Participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "Preservation in Dynamic Data Through Synonymous Linkage on Micro Aggregation" ICDTCCS 2023.

• Participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "ICU Monitoring System Using Zynq Architecture Based SoC" ICDTCCS 2023.

• Dr. M. Suresh Babu, Mrs. K. Sandhya and Mrs K. Anusha participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "Spatiotemporal Mobility Based Trajectory Privacy –Preserving In Ubiquitous Computing Environment " ICDTCCS 2023.

• Dr. M. Suresh Babu has published 15+ articles in various news papers, a book on "Disruptive in computing and Communication Systems" ISBN : 978-81-950175-0-8. and a book on "Privacy and Security issues in online social networks" ISBN 978-81-950175-5-3.





- **Dr. A. Pranayanath Reddy** participated in 1st International Conference on Disruptive technologies in computing and communication system on "Privacy and Security in Intelligent Devices"ICDTCCS 2023.
- **Dr. A. Pranayanath Reddy** went for the guest lecture on "Software Testing and Generative AI" to Geethanjali College of Engineering and Technology on 14/12/2023.
- **Mrs. T Anjamma and Mrs S. Yamuna Reddy** participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "Enhancing Cyber security: Evaluating Machine Learning Algorithms for Effective Threat Detection and Classification" ICDTCCS 2023.
- **Mrs N.V.N Sowjanya ,Mrs G. Swetha and Mr. T. Sai Lalith Prasad** participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "AI Based Improved Vehicle Detection and Classification in Patterns using Deep Learning" ICDTCCS 2023.
- **Mrs K.Vasudha, Mrs G. Tejaswini, Mrs K. Swapna and Mrs P. Ratna Tejaswi** participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "Machine Learning Technique For Parkinson's Disease Prediction" ICDTCCS 2023.
- **Mrs B.Rajini and Mrs B. Vijitha** participated in 1st International Conference paper in Disruptive technologies in computing and communication system on "An Efficient Early Software Reliability prediction using particle swarm Optimization PSO" ICDTCCS 2023.
- 5 faculty have registered for PHD.

FDP/ Webinar/NPTEL/workshop/conferences attended

- Dr. M. Suresh Babu andDr. A. Pranayanath Reddy attended an international seminar on "Privacy and Security issues in online social networks"
- Dr. A. Pranayanath Reddy participated in conference on Safeguarding Privacy And Security In Seamless Connectivity Environment organized by Department of ECE & EEE ,karpagam Institute of technology held on Oct 28,2023 .
- Mrs C Archanaand Mrs N.Anjamma participated in "Deep Learning" National Webinar organized by the Department of CS , Dr. L.H.R Govt Degree college NTR District, Andhra Pradesh.
- P.V. Ramagolpala rao, G.Swathi, P.Srilaxmi, B.Mounika, CH.Sukanya, K.Sandhya, K.Srilatha, M Srimathi, Pirangi Swetha, NVN Sowjanya, G. Swetha , N.Anjamma, and K.Swapna participated in 5 Days Online International FDP on" NLP and ChatGPT Applications"organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd.
- P.Srilaxmi, P. Swetha, NVN Sowjanya, G. Swetha ,K.Srilatha, V.V.Ramanjaneyulu, P.V. Ramagolpala rao, and G. Swathi participated in 30 Hours International Faculty Development Program on Deep Learning for NLP and Computer Vision organized by Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR.
- N.Anjamma, K.Prathyusha, K.Srilatha, V.V.Ramanjaneyulu G. Swetha and M.Chinababu participated NPTEL FDP in Deep Learning and Cloud Computing.
- Mr. B. Narsingam cleared NPTEL course in Cyber Security and Privacy and Ethical Hacking.
- Mrs. G. Swetha cleared NPTEL course in Cloud Computing, Deep Learning ,Introduction to Machine Learning and Research Methodology.
- Mr. T. Sai Lalith Prasad cleared NPTEL course in Deep Learning and Research Methodology.

STUDENT'S ACHIEVEMENTS

- 24 Students got placed in Savantis Solutions LLC from 20R9 batch.
- 12 Studentsgot placed in Accenture from 20R9 batch.
- 6 Students got placed in ENHiSecure from 20R9 batch.

DEPARTMENT ACTIVITIES

- Aayudha pooja &Bathukamma celebrations were held on 17th October 2023 at the college.
- 76 th Independence day was celebrated on 15 August 2023 at the campus

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Artificial Intelligent & Machine Learning is the key enabler for disruptive innovations of this century and the emerging technological revolutions have reshaped the work culture and life style. The dept is established in the year 2021, headed by Dr. Vadivelan Natarajan who has 12 years of teaching experience and 5 years of Industrial experience.

The department aims to develop skilled and socially responsible engineers in the field of artificial intelligence and machine learning for notable contributions to society.

This program is designed to empower students to build intelligent machines, software or applications with cutting-edge combinations of machine learning.



Dr. Vadivelan Natarajan
(HOD)

Vision

Encourage young minds to lead through experiential learning, develop collaborative solutions and contribute to social responsibility.

Mission

- To instill in students a taste for research to solve complex engineering problems to meet industry demands.
- To allow graduates to adapt to fast-changing technology with strong fundamentals.
- Assimilate human values and ethics in students to become responsible citizens of society.

DEPARTMENT EVENTS

The department has conducted one day workshop on "AI-Driven Career Management" for students on 4th DEC 2023.





FACULTY ACHIEVEMENTS

Dr N Vadivelan, published a paper on "A Study of Deep Learning Techniques" in Springer conference "Intelligent Systems and Sustainable Computing"Smart Innovation, Systems and Technologies.

Dr N Vadivelan, published a paper on "Modelling of Hybrid Meta Heuristic BasedParameter Optimizers with Deep ConvolutionalNeural Network for Mammogram Cancer Detectionfor Predicting Breast Cancer Types" in scopus(ISSN: 2321-8169).

Dr N Vadivelan, published a paper on"Improved bald eagle search optimization with entropy-based-deep feature fusion model for breast cancer diagnosison digital mammograms" in SCI(https://doi.org/10.1007/s11042-023-17144-5).

J Rachana, published a paper on"The Smart Home Technology by WSN and GSM using Mobile Applications MAN"in ICDTCCS held atTKRECinSep-2023.

G RANI, published a paper on "The Smart Home Technology by WSN and GSM using Mobile Applications MAN" in ICDTCCSheld at TKREC in Sep-2023.

K Renuka, published a paper on "The Smart Home Technology by WSN and GSM using Mobile Applications MAN" in ICDTCCS held at TKREC in Sep-2023.

Sangeeta Jawar,published a paper on "The Smart Home Technology by WSN and GSM using Mobile Applications MAN" in ICDTCCS held at TKREC in Sep-2023.

Dr N Vadivelan, attended a FDP on "The Art Of Research and Development" held at S.A. Engineering College (Autonomous), from 26th Dec 2023- 30th Dec 2023



Dr N Vadivelan, attended a FDP on "Deep Learning for NLP and Computer Vision" held at CBIT from 10thJuly-28thJuly 2023.



K Navatha ,attended a FDP on "Artificial Intelligence, Machine Learning and it's Application" from 10thJuly23-14thJuly 23.



J Rachana ,attended a FDP on"NLP and ChatGPT APPLICATIONS"held from14th Aug - 19th Aug 2023



A Mounika, got admission in Ph.D from SR University, Warrangal in Aug-2023

DEPARTMENT OF INFORMATION TECHNOLOGY

The Department is headed by Associate Professor J.Praveen Kumar,Ph.D with 7years of experience in teaching and is supported by 13 well-qualified faculties.

The department boasts of a unique mode of learning and has good infrastructural facilitates and is equipped with full-fledged laboratories. The staff members are deputed to participate in workshops, conferences and refresher courses to keep in pace with recent developments in the field of IT.



Dr.J.Praveen Kumar
(HOD)

Vision

The program aims at creating capable engineering professionals to meet the flourishing needs of the Industry and society in the field of Information Technology.

Mission

M1.*Impart adequate employability skills to make the students industry ready with global standards.*
M2.*Inculcate ethical values and leadership qualities in addressing the societal needs using Information Technology.*

FACULTY ACHIEVEMENTS

FDPS/CONFERENCES/WORKSHOPS/SEMINARS

Dr. J. PRAVEEN KUMAR participated in FDP Recent trends in Data Science for Engineering from 26-6-2023 to 30-6-2023.

Mrs.Nelloju Priyanka of Teegala Krishna Reddy Engineering College, Hyderabad has participated in one week International level Faculty Development Programme (Virtual Mode) on "Introduction to Artificial Intelligence" held during 9th October to 14th October 2023, Organized by G.Pulla Reddy Engineering College.


G. Pulla Reddy Engineering College (Autonomous), Kurnool

Certificate of Participation

Mrs.Nelloju Priyanka completed Coursera Certificate in Data Analysis in Python using Pandas DataFrames


Nelloju Priyanka

Mr S SRAVAN KUMAR participated in 5 Day Faculty Development Program on Salesforce Platform Developer 1 conducted by ICT Academy on 28 Aug 2023 to 01 Sep 2023 at Anurag University, Hyderabad.


ICTACADEMY

CERTIFICATE OF PARTICIPATION

S SRAVAN KUMAR

Mr. S Sravan Kumar participated in the International seminar on Unlocking Success: Strategies for crafting various research proposals and patent writing, organised by School of Computer Science and Engineering,VIT-AP University, Amaravati on 29th July 2023.


VIT-AP UNIVERSITY

Certificate of Participation

Mr.J Sudheer Kumar participated in Data Analyst FDP from 19-6-2023 to 23-6-2023.

Mr.J Sudheer Kumar participated in AWS using Devops FDP from 26-6-2023 to 30-6-2023.

Mrs.A.Vijetha participated in NLP and ChatGPT APPLICATIONS FDP from 14-8-2023 to 19-8-2023.

Mrs.A.Vijetha participated in Cloud Infratsructure(AWS) FDP from 21-8-2023 to 25-8-2023

B.Nirupama participated in AI FDP from 9-10-2023 to 14-10-2023.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The Electronics and Communication Engineering Department is headed by Dr.SK.Umar Faruq who has 15 years of teaching experience. The dept. aims to deepen the knowledge and skills of the students on the basic concepts and theories that equips them in their professional work involving analysis, systems implementation, operation, production, and maintenance of the various applications in the field of Electronics and Communications Engineering.



Dr.SK.Umar Faruq
(HOD)

Vision

To be a centre of learning in the field of Electronics and Communication Engineering to develop competent professionals for industry and to fulfill the needs of the society.

Mission

M1 : To *impart quality education through effective teaching learning process.*

M2: *To provide essential inter-disciplinary technology to make the students readily employable.*

M3: *To inculcate entrepreneurial skills to provide socially relevant and sustainable solutions.*

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

PEO1: *The graduates will be able to adopt emerging technology for career development.*

PEO2: *The graduate will be able to develop professional skills and sense of social responsibility that paves them a way to secure key position.*

PEO3: *The graduate will have the capability to analyses real life problems of the society and produce innovative solutions.*

FACULTY ACHIEVEMENTS:

• Dr.D.Vemanachary successfully completed NPTEL course on Introduction to Industry 4.0 and Industrial Internet of Thingsand Introduction to Internet of Thingsduring July to Oct 2023 with NPTEL AICTE FDP certificate.

• V.Deepa successfully completed NPTEL Course on System Design through Verilogduring Jul-Sep 2023 andreceived Elite Certification.

• V.Sravani successfully completed NPTEL Course on System Design through Verilog duringJul-Sep 2023and received Elite Certification.

• M.Rajeshwari successfully completed NPTEL Course on VLSI Design Flow:RTL to GDS during Jul-Sep 2023.

FACULTY RESEARCH PUBLICATIONS:

S.No	Authors Name	Title of the Paper	Journal Name	Month & Year of Publication	SCI/ESCI/ SCIE/Scopus /UGC Indexed
1	E Radhamma	Performance Analysis of High-K Dielectric Heterojunction High Electron Mobility Transistor for RF Applications (doi: 10.5829/ije.2023.36.09c.09)	International Journal of Engineering	September - 2023	Scopus
2	C Annapalagan	Performance Analysis of Forecasting Price Prediction of Crypto-Currency using Deep Learning Algorithm (https://doi.org/10.1186/s40537-022-00601-7)	Eur Chem Bull	September 2023	Scopus
3	C Annapalagan	An IOT framework for detecting Cardiac arrhythmias in real-time using deep learning resnet model (https://doi.org/10.1016/j.measen.2023.100866 ·)	Measurement Sensors	July 2023	Scopus
4	D Vemana Chary	Performance Analysis of High-K Dielectric Heterojunction High Electron Mobility Transistor for RF Applications (doi: 10.5829/ije.2023.36.09c.09)	International Journal of Engineering	September - 2023	Scopus
5	Pydimarri Padmaja	Hybrid Fuzzy Rule Algorithm and Trust Planning Mechanism for Robust Trust Management in IoT-Embedded Systems Integration (https://doi.org/ 10.3390/math11112546)	MDPI	June-2023	Scopus
6	C Annapalagan	Smart Village – A Digital Transformation of Modern Village Using ESP32 Microcontroller	IJATEM	2023	Scopus
7	C Annapalagan	Smart Home Automation – A Digital Transformation Using Iot	MJARET	Aug – 2023	Scopus
8	C Annapalagan	Smart Attendance Management System Using Convolutional Neural Network	MJARET	Sep –2023	Scopus
9	C Annapalagan	Iot Implementation Of Smart Campus-A Digital Transformation For Green Environment	Tuijinjishu Journal of propulsion Technology	2023	Scopus
10	C Annapalagan	Real time Implementation of Automatic Moisture and Light control protection for Garden	Tuijinjishu Journal of propulsion Technology	2023	Scopus

FACULTY RESEARCH PUBLICATIONS:

A Seminar was conducted to students on "Indian Regional Navigation Satellite System - NavIC" on 09 Aug 2023 by Prof NuliNamassivaya.





STUDENT ACHIEVEMENTS:

S.No	ROLL NO	NAME	COMPANY PLACED	PACKAGE
1	20R91A0408	AKULA BHANUSRI	SAVANTIS	3 LPA - 3.5 LPA
2	20R91A0485	KALERU SINDHUJA	SAVANTIS	3 LPA - 3.5 LPA
3	20R91A0486	KASALA PRANAY	SAVANTIS	3 LPA - 3.5 LPA
4	20R91A04A4	MVVS NAGA CHINMAI	SAVANTIS	3 LPA - 3.5 LPA
5	20R91A04B9	N RITHVIK REDDY	SAVANTIS	3 LPA - 3.5 LPA
6	20R91A04D2	PATNAM SANJANA	SAVANTIS	3 LPA - 3.5 LPA
7	20R91A04E5	ALAMPALLY SAIRAM	SAVANTIS	3 LPA - 3.5 LPA
8	20R91A04E6	SALLA AKANKSHA	SAVANTIS	3 LPA - 3.5 LPA
9	20R91A04H5	BHUVANESHWARI VEMPATI	SAVANTIS	3 LPA - 3.5 LPA
10	20R91A04J1	YAMSANI SUNIL KUMAR	SAVANTIS	3 LPA - 3.5 LPA
11	21R95A0414	KOPPERA RUKMINI	SAVANTIS	3 LPA - 3.5 LPA
12	21R95A0433	URADI MAHESHWARI	SAVANTIS	3 LPA - 3.5 LPA
13	20R91A04H5	Vempati Bhuvaneshwari	ENH iSecure	4.6 LPA
14	21R95A0414	Koppera Rukmini	ACCENTURE	4.5 LPA
15	20R91A0435	Bolla Bharath	ACCENTURE	4.5 LPA
16	20R91A0408	AkulaBhanusri	ACCENTURE	4.5 LPA
17	20R91A0453	Dontham Vaishnavi	ACCENTURE	4.5 LPA

NSS ACTIVITIES

Under NSS faculty coordinator K.Kumara Swamy.

Awareness program on Narcotic Drugs and Adverse effects was organized by NSS at JNTUH auditorium on 3rd June 2023.

Awareness program on Women Safety and Cyber Crime by NSS unit in association with Rachaconda Commissionarate at Saroor Nagar Indoor stadium on 13th June 2023.

On the occasion of International yoga day on 21st June 2023, NSS unit organized a program in association with Bharatiya Yoga Samsthanat TKRES ground.

A rally conducted by NSS unit on the occasion of international day against drug abuse and illicit trafficking on 26th June 2023.

Women's self defence program was conducted by NSS unit in association with Lions club at TKRES ground on 14th July 2023.

Tree plantation program was conducted by NSS unit of TKREC on the account of Meri Maati Meri Desh at TKRES ground on 19-08-2023.

Celebrated Sir MokshagundamVishweshvarayya Birth Anniversary as Engineers Day on 15th September, 2023 by NSS at TeegalaKrishna Reddy Engineering College.

A fund raising camp was organized by the NSS unit to help Bablu, electrician,as his wife met with an accident and got injured seriously.All the staff and students of the college. collected an amount of Rs.30,000/- &was handed over to him on 04-10-2023.

A Free Health Camp program was organized by NSS unit in collaboration with Sree Manju Hospitals at Teegala Krishna Reddy Engineering college on 13-10-2023.

Awareness program on Let's Vote was organized by NSS unit of TKREC in association with TASK at TKRES ground on 10/11/2023.

A Blood donation camp was organized by NSS Unit in association with Indian Red Cross Society at TKREC on 18-12-2023 and 275 samples were donated.



NSS ACTIVITIES





















DEPARTMENT OF ELECTRICAL& ELECTRONICS ENGINEERING

The Department of Electrical and Electronics Engineering is headed by Mr.T.Madhu Babu who has 13 Years of experience.

The primary objective of the department is to impart quality education, training and research at the undergraduate in various areas of Electrical and Electronics Engineering with broad emphasis on design aspects of electrical systems.

The Department has been accredited by NBA in 2018 and 2021 for excellence in engineering education.



Mr.T. Madhu Babu
(HOD)

Vision

Imparting knowledge and Engineering skills to the aspiring students in the field of Electrical and Electronics Engineering, and to face the emerging challenges of the society.

Mission

- *Encouraging scholarly activities that transfer knowledge in the areas of Electrical and Electronics Engineering.*
- *Encourage the students and train them to meet the needs of education and their future endeavors.*
- *Inculcating human values and ethics into the education system for the all-round development of the students*

PATENT

•*Smart Electric Switch Design with IOT by Kalagotla Chenchireddy on 2023/1. Application number 3380531-001*

REVIEW HISTORY REPORT

Khammampati R Sreejyothi Reviewed a paper in the "Clean Energy Journal(ENERGY-2023-236)"on 10thOctober 2023,the paper entitled "PEM Fuel Cell Stack Design and Modeling with Double stage Boost Converter Coupled to a Single phase (2 levels - 4 pulses) inverter for various AC Applications" .

PAPER PUBLICATIONS: FACULTY (indexed in SCOPUS)

Chenchireddy, K., & Jegathesan, V. (2023). Improved Voltage Balancing Scheme For The MLI Based DSTATCOM With Sliding Mode Controller. Journal of Applied Science and Engineering (Taiwan),27(8), 2867–2876.

Karthik, T. S., Kamalakkannan, D., Murugesan, S., Patra, J. P., Walid, M. A. A., Chenchireddy, K., & Jagadish Kumar, B. (2023). Experimental Methodology to Optimize Power Flow in Utility Grid with Integrated Renewable Energy and Storage Devices Using Hidden Markov Model. Electric Power Components and Systems, 1-18.

Babu, Thiruveedula Madhu, Kalagotla Chenchireddy, Jakkani Rohini, Mesaragandla Sai Suhas, Dara Ajitesh, and Kanaparthi Rahul. "High voltage DC-DC converter with standalone application." International Journal of Applied Power Engineering (IJAPE) 12, no. 4 (2023): 384-390.

N. R. Babu, K. R. Sreejyothi, V. Abhilash, D. S. Krishna, K. S. Singh and D. R. Prasad, "Closed Loop Control of Induction Motor Using Hall Effect Speed Sensors," 2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN), Salem, India, 2023, pp. 1491-1495, doi: 10.1109/ICPCSN58827.2023.00248.

Chenchireddy, K., & Jegathesan, V. (2023). Cascaded H-bridge multilevel inverter-based DSTATCOM with an artificial neural fuzzy inference systembased controller. Indonesian Journal of Electrical Engineering and Computer Science, 32(1), 43.

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Kalagotla Chenchireddy and Dr.N Rajasekhar Varma "Source Current Harmonic Cancellation in Distribution System by Using ANFIS Controller" International Conference onRenewable Energy Engineering, Engineering Technologies, Green Computing and Sustainable development, our ICREGCSD 2023December 22-23, CVR College of Engineering, Hyderabad, India.

Rosaiah Mudigondla, Kalagotla Chenchireddy "Modeling and Simulation of SEPIC Converter with ANFIS Controller for DC-to-DC Power Conversion" 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2023) DVD Part Number: CFP23J88-DVD; ISBN: 979-8-3503-4059-4

S. Lavanya, C. Pavankumar, G. Pradeepthi, K. M. Anishchandramohan, V. Pavan and D. Madhusudhan, "Power Quality Improvement in Distribution System using ANFIS Controller," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 709-713, doi: 10.1109/ICSCNA58489.2023.10370302.

G. S. Kumar, K. Chenchireddy, T. Begum, M. Aniketh, P. M. Kumar and Z. B. Sayeed, "Design and Simulation of Interleaved Boost PFC Converter with PR Controller," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 778-782, doi: 10.1109/ICSCNA58489.2023.10370282.

Prasanna, K. Chenchireddy, N. Gayathri, P. Jayanth, P. K. Kumar and V. P. Kumar, "Dynamic Power Optimization and Tracking Control for Permanent Magnet Synchronous Generator-Based Wind Energy Harvesting," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 788-792, doi: 10.1109/ICSCNA58489.2023.10370619.

FDP/WORKSHOP/SEMINAR/WEBINAR: FACULTY

Khammampati R Sreejyothi, Assistant Professor From participated in a One-week Online Faculty Development Programme (FDP) on "AI Enabled AR/VR in Communications & Signal Processing Application", during 3rd– 7th October 2023, organized byDepartment of Electronics and Communication Engineering, Nalla Narasimha Reddy Education Society's Group ofInstitutions – Integrated Campus.

Khammampati R Sreejyothi participated in 01 Day Faculty Development Program, Dated 7/21/2023 on"Automation System Design & Simulation using Automation Studio Software " of M/s FamicTechnologies Inc., Canada in association with M/s DELLSOFT Technologies Pvt. Ltd. New Delhi.

Khammampati R Sreejyothi, has actively participated in A One-week National Level Online Faculty Development Programme on "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" from 11-07-2023 to15-07-2023 organized by the Department of Electrical and Electronics Engineering,Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.

Rosaiah Mudigondla participated in 5 Days Online International Faculty Development Program on NLP and ChatGPT APPLICATIONS organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 14th Aug to 19th Aug 2023.

Rosaiah Mudigondla has actively participated in A One-week National Level Online Faculty Development Programme on "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" from 11-07-2023 to15-07-2023 organized by the Department of Electrical and Electronics Engineering,Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.

Rosaiah Mudigondla has attented NPTEL FDP on "Introduction to Industry 4.0 and Industrial Internet of Things" JULY-OCTOBER, 2023.

Rosaiah Mudigondla has actively participated in A One-week National Level Online Faculty Development Programme on "Recent advances in the Power sector challenges, Solutions and oppurtinities" organized by Department of Electrical and Electronics Engineering, VJIT, Hyderabad from 31st july to 5th august 2023.

Nagasridhar Arisehas attented NPTEL FDP on "Introduction to Industry 4.0 and Industrial Internet of Things" JULY-OCTOBER, 2023.

Chandolu Sai Deepak, actively participated in A One-week National Level Online Faculty Development Programme on "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" from 11-07-2023 to15-07-2023 organized by the Department of Electrical and Electronics Engineering,Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.

NAGASRIDHAR ARISE, actively participated in A One-week National Level Online Faculty Development Programme on "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" from 11-07-2023 to15-07-2023 organized by the Department of Electrical and Electronics Engineering,Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.

Chandolu Sai Deepak, has actively participated in A One-week National Level Online Faculty Development Programme on"Recent advances in the Power sector challenges, Solutions and oppurtinities" organized by Department of Electrical and Electronics Engineering, VJIT, Hyderabad from 31st july to 5th august 2023.

Chinthagumpala prasanna, actively participated in A One-week National Level Online Faculty Development Programme on "Recent Trends in Green Energy Initiatives and Soft Computing Techniques" from 11-07-2023 to15-07-2023 organized by the Department of Electrical and Electronics Engineering,Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad.

Chinthagumpala Prasanna, has actively participated in A One-week National Level Online Faculty Development Programme on "Recent advances in the Power sector challenges, Solutions and oppurtinities" organized by Department of Electrical and Electronics Engineering, VJIT, Hyderabad from 31st july to 5th august 2023.

S Lavanya has attented NPTEL FDP on"Introduction to Industry 4.0 and Industrial Internet of Things" JULY-OCTOBER, 2023.

BEST PAPER AWARD FOR STUDENTS:

The Best paper Award is presented to Mr. Varikoppula Manohar,who presented a Paper entitled " Hybrid Electric Vehicle Design by using Solar and Battery Sources" in International conference on Renewable energy, Green Computing & Sustainable Development (ICREGCSD-2023) organized during 22-23 December, 2023 at CVR College of Engineering, Hyderabad, Telangana, India.

The Best paper Award is presented to Mr. Kotha Kalyan Kumar,who presented a Paper entitled "Source Current Harmonic Cancellation in Distribution System by using ANFIS Controller" in International conference on Renewable energy, Green Computing & Sustainable Development (ICREGCSD-2023) organized during 22-23 December, 2023 at CVR College of Engineering, Hyderabad, Telangana, India.





DEPARTMENT EVENTS

The dept.conducted an Expert Lecture on"Industrial Digital Twin"to III Year EEE students on 25.11.2023.

Bathukamma Celebrations were organized by the TKR Group of Institutions, EEE Department got 1st Prize with a Prize Money of 5000rs/-



NPTEL CERTIFICATES

Khammampati R Sreejyothi got NPTEL certificate in“Cloud Computing”.

S Lavanya got NPTEL certificate in “Smart Grid: Basics to Advanced Technologies”.

Chinthagumpala Prasanna got NPTEL certificate in “Introduction to Internet of Things”.

Rosaiah Mudigondla got NPTEL certificate in “Introduction to Industry 4.0 and Industrial Internet of Things”.

Nagasridhar got NPTEL certificate in “Introduction to Internet of Things”.

Chandolu Sai Deepak got NPTEL certificate in “Smart Grid: Basics to Advanced Technologies”.













DEPARTMENT OF CIVIL ENGINEERING

Md. Muneeruddin Khan, M.Tech (structural engineering) currently pursuing PhD from JNTUH in earthquake engineering who has vast experience of 25 years both in industry and teaching is the HOD.

He is GHMC approved structural engineer, having designed many multi-storeyed building in Hyderabad city.

He is a member of association of consulting civil engineer and structural engineer. He is giving free technical training for the benefit of students after college hours at his various sites.



Md. Muneeruddin Khan
(HOD)

Vision

To impart technical knowledge in the field of civil engineering and expose the graduate students to the technology.

Mission

- *To provide good theoretical and practical knowledge to the students during their course of study, and create awareness in technology.*
- *To encourage students for higher studies and to have research oriented direction.*
- *After completion of course, the students are empowered with good technical knowledge, employability and ethical values to serve the nation.*

EVENTS IN THE DEPARTMENT

One day seminar was conducted on 20-12-23 on Higher Education and Job Profession by NICMAR





Bathukamma Celebrations 2023





• Mr. P. Chaitanya published a paper on "Partial Replacement of Cement with Rice Husk Ash and Jaggery in Cement Concrete"in International journal of Techno Engineering UGC in the June 2023.

• Mr. T. Pavan Kumar published a paper on "Modeling Accessibility based on Urbanization using Artificial Neural Networks (ANN)"in International Journal on Recent and Innovation Trends in Computing and Communication (Scopus Indexed) in the month of 31-Aug-2023.

• Mr. T Pavan Kumar published a paper on "Assessment of Pedestrians Crossing Behavior At Mid-Blocks under Mixed Traffic Conditions in Urban Contexts"inIOP Conf. Series: Earth and Environmental Science(Scopus Indexed) in the monthof Dec-2023.









STUDENT PLACEMENT DATA:

• Our students Arjun Reddy,Williams,D.Ashwitha,D.Pooja Reddy,M.Mahindranath, K.Dheeraj Kumar, P.Sachin, U.Soudarya, V.Ajay, Y.Anusha gotplaced in "Savantis" with 3 LPA.

• Four students D.Ashwitha, D.Pooja Reddy, Y.Anusha, K.Mahipal gotplaced in "Accenture" with 4.5 LPA.

DEPARTMENT MOUs:

S.NO	MOUs
1	National Academy of Construction(NAC)
2	Indian Concrete Institute(ICI)
3	Indian Green Building Council(IGBC)
4	Engineers Without Boarders(EWB)

DEPARTMENT OF HUMANITIES & SCIENCES

The Department of Humanities & Sciences is headed by Dr.AYACHITHULA NAGARJUNA who has 11years of teaching and 5 years of research experience.
The department plays a unique role in the college,where the ethos of science and technology prevails and aims in providing competitive quality education and supports the students to lay basic profound foundation in all the branches of Engineering.



Dr.Ayachithula Nagarjuna
(HOD)

FACULTY ACHIEVEMENTS

Dr. A Nagarjuna, Assoc.Prof, completed NPTEL Course (Jul-Oct 2023) on "Physics of Functional Materials & Devices".

Dr. A Nagarjuna, Assoc.Prof, published a Paper on Molecular interactions in binary liquid mixtures A.Nagarjuna, G. Sunitha, K.V.S.N Raju, B M Praveen, Discriptive technologies in computing and communication systems T&F proceedings.

Dr. A Nagarjuna, Assoc.Prof, published a Paper on Speed of sound and Viscosity theories of benzoate liquid mixtures A.Nagarjuna, BM Praveen, K.V.S.N Raju Industrial Engineering Journal, 52(9), 2023 http://www.-journal-iiie india.com/1_sep_23.html.

Dr. A Nagarjuna, Assoc.Prof, published a Paper on Study of intermolecular interactions in Ethyl-4-hydroxy benzoate liquid mixture A.Nagarjuna, K.V.S.N Raju, BM Praveen, Material science and technology, 22(10), 2023 DOI:10.10543/f0299.2023.41742.

Dr. A Nagarjuna, Assoc.Prof, published a Paper on Co (II), Ni (II) and Cu (II) metal compounds of 2-aminonicotinaldehyde: Synthesis, crystalline structure, pharmacological assessment, and molecular docking research are all part of the process N. Kotilingaiah, A.Nagarjuna B M Praveen, B. Srinu, K. Sateesh European Chemical Bulletin, 12 (SI6), 6808-6821 (2023 DOI: 10.48047/ecb/2023.12.si4.609.

Dr. A Nagarjuna was awarded Post doctoral fellowship from Srinivas University, Mangalore, Karnataka in Physics in November 2023.

Dr. VJE Caroline was appointed in the Post of National Advisor Education Cell, All India by International Human Rights Protection Commission on 21/01/2024.

Dr. VJE Caroline Assoc.Prof, completed NPTEL courses (Jul-Oct 2023) in Research Methodology & Applied Linguistics.





Dr. VJE Caroline, Assoc.Prof presented Assessing Sustainability in Impoverished Countries through the Lens of the UN Sustainable Development Goals: A Case Study, in the 2023 IEEE GreenTech, Sustainability, and Net Zero Policies & Practices Symposium, on 7-8 December 2023.


CERTIFICATE OF PARTICIPATION

Dr. VJE Caroline

Dr. VJE Caroline, Assoc.Prof worked as a Reviewer in Impoverished Countries through the Lens of the UN Sustainable Development Goals: A Case Study, in the 2023 IEEE GreenTech, Sustainability, and Net Zero Policies & Practices Symposium, on 7-8 December 2023.


CERTIFICATE OF REVIEWER RECOGNITION

VJE. Caroline

Dr. VJE Caroline Assoc.Prof& Mr. Reshbonia Nagaraju, Asst.Prof attended 10 Day international workshop on Research Methodology by Department of English and other Indian and Foreign Languages, VFSTR (Deemed to be Universtiy) from 5th to 22nd December 2023.


CERTIFICATE OF PARTICIPATION


CERTIFICATE OF PARTICIPATION

Dr. V. Madhavi, Assoc.Prof, participated on the Executive Committee of ELT Summit 2023 (International Virtual Conference), organized by International Society for Educational Leadership, on 1st& 2nd December 2023.



Dr. V. Madhavi,Assoc.Prof participated in one week online Faculty Development programme, organized by the Faculty of English in the Department of Humanities & Sciences, CVR College of Engineering, from 18th to 23rd December 2023.



Dr. V Madhavi,Assoc.Prof along with Dr. L.V. Padmarani Rao published a Book on "A Reference Book for the Teaching and Learning of English Language and Literature"



Nannuri Usharani, Assistant Professor (Co-Authored)published a Paper on Inherent and Induced Defects in Mixed Phase CuO Nanoparticles, Next Nanotechnology on 23 November 2023.

Nannuri Usharani,Assistant Professorpresented a Poster entitled Synthesis of SnO2 Nanoparticles by Co-Participation Method on Chaitanya Deemed to be University, on 15th& 16th February 2024.





Nannuri Usharani Assistant Professor (Co-Authored)published a Paper on Coagulation and Crystallinity in Sn (II,IV) Oxide as an electron transfer layer, MRS Advances, February 2024.



Events in Department

Orientation Programme for the first year B.Tech students was held by the department. on 17th August,2023

1 week Induction Programme was organized for them from 18 August, 2023 to 26 August 2023.

Motivation Program for 1 B.Tech students by Eminent professor Dr.M L Sai Kumar was organized iby the departmentn college from 28 August to 31 August 2023.

National Mathematics day celebrations were held by the dept from 20 Dec 2023 to 22 Dec 2023 for I & II Year B.Tech students.

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

The Department of MBA as established in the year 2007 with the approval of AICTE; New Delhi, headed by Dr.V.SURYANARAYANA who has vast experience.

The dept focuses on application of knowledge, development of positive attitude, diverse skills and competencies among the students. Pedagogy includes lectures, case discussions, role-plays and simulation.To accomplish the mission of Indian in values & International in excellence,TKREC MBA is imparting quality management education with excellent infrastructure and competent faculty.



Dr.V.Suryanarayana
(HOD)

Vision

Striving for an outstanding value based quality education, developing entrepreneurial skills to become global managers and continue to hold passion for knowledge-sharing in all facets of management education, embedding Indian culture and societal values.

Mission

- *Creating an environment that encourages students to achieve excellence in the field of their choice, through holistic, efficient and pertinent education.*
- *Developing innovative and dynamic leaders who are capable of managing for change and transformation in a globally challenging environment.*
- *Instilling all round personality development of the students by making them excellent individuals in understanding the human values.*

Industrial visit by students to Mother Dairy on 15th December 2023.







WORK SHOP FROM 18-12-2023 TO 28-12-2023 CONDUCTED BY MBA DEPT ON BEHALF OF MAGIC BUS












Talent
Knowledge
Righteousness
Enlightenment
Commitment

TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

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