TVISHI

(TKREC'S Ray Of Vision & Brilliance)

NEWS LETTER

ISSUE | 02

JULY-DEC| 2022

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)
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Mrs.S.Nagalaxmi (CE)
Mrs.Sangeetha Jhawar (AIML)
Mr.R.Nagaraju (H&S)
Mrs.M.Annapurna (MBA)



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. K.M.V Madan Kumar Vice Principal & Dean Academics, did his BE from Gulbarga University, M.Tech from JNTUH and Ph.D (CSE) from Acharya Nagarjuna University. He has 17 years of experience in Industry and Academics.

His area of interest is Data mining and has published 22 research papers in reputed International Journals. He also presented 10 papers in international and national conferences.He is the reviewer of many International Journals.

Dr. K.M.V. Madan Kumar
(Vice-Principal & Controller of Examination)

Editorial

Behavioral competency refers to any personality characteristics and behavior attributes individuals may have, which can help determine how successful they will be at the role they are aspiring for. It is used to define employees' behavioral merits that ensure their success in their future endeavors in the workplace.

Behavioral competencies include skills, attitudes, actions, and qualities that distinguish top-performers.Any behavioral characteristic such as skill set, knowledge, technical know-how, leadership skills, etc.,which contributes to an individual's development in the organization to assume significantly bigger roles is known as behavioral competency.
Individuals at all levels (be it top, middle or lower level) come within its purview. Measuring core behavioral competencies is not as easy as it seems, but it is, by and large, a critical step in the hiring process. A potential employee always looks for a candidate who can successfully perform the work.

Types of Behavioral Competencies
** **Personality attributes** are a combination of an individual's thoughts, characteristics, behavior, attitudes, ideas, and habits concerning their surroundings. Personality attributes encompass accountability, selfconfidence, self-awareness, enthusiasm, etc. They are crucial in determining an employee's cultural fitment.*

** **Interpersonal skills** are used by a person to interact with a clarity of purpose. It refers to an employee's ability to get along with coworkers and efficiently work in a group to fulfill their job's responsibilities.Interpersonal skills include effective communication, active listening, teamwork, conflict management, etc. Excellent interpersonal skills are a prerequisite for many positions in an organization.*

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.*

Dr. K M V Madan Kumar and Dr. N Vadivelan published a paper on "A Novel CNN-TLSTM Approach for Dengue Disease Identification and Prevention using IoT-Fog Cloud Architecture".

Dr. K M V Madan Kumar and Dr. N Vadivelan submitted patent on" IOT Driven design system of Autonomous Vehicle State Estimation And Behavior using AI approach" to the official journal of the patent office with no .37/2022 on date 16/09/2022.

Dr. Ch V Phani Krishna published a paper on "A Model for Prediction of Agricultural Yield using Machine Learning Techniques" (http://doi-org.in/10.1364/JOSAC.567376).

Mr. P V Rama Gopala Rao published a paper on "Music Recommendation System Based On Facial Emotion Gestures" (http://doi-org.in/10.1364/JOSAC.567578)

Mr. P V Rama Gopala Rao got certified in Publication in ZKG INTERNATIONAL Journal on paper "A Comprehensive Study Of Machine Learning Algorithms For Predicting Car Purchase Based On Customers Demands" (ISSN NO: 2366-1313| web: http://zkginternational.com|).

Dr.M.Dhasaratham participated in Online Refresher Course on "Internet of Things" and completed with A+ Grade under University Grants Commission Human Resource Development Centre JNTUH


ZKG INTERNATIONAL

Certification of Publication



M.r M. China Babu got best mentor award in IJIEMR-ELSEVIER SSRN RESEARCH AWARDS on title " Weapon Recongnition in Investigation system using deep learning" " (ISSN NO 2456-5083).

Mr. Jella Mahesh had been awarded with Smart India Hackathon for exceptional contribution as a SPOC In Smart India Hackathon, 2022.

Mrs. A Divya Sree has published a paper on "SECURITY CONCERNS IN THE VANET: SECURING AUTONOMOUS AND CONNECTED VEHICLES USING MACHINE LEARNING" (SSN : 0378 – 4568).
Mrs. Anjamma bonala is awarded for final exam completion in Database Programming with SQL, organized by ORACLE academy.
Mr. Kundan. B, published a paper on "Machine Learning Approaches on Health Care Data: A Survey" in IEEE, Scopus Indexed submitted on 30th November 2022.
Mrs. A Divya Sree has published a paper on "SECURITY CONCERNS IN THE VANET: SECURING AUTONOMOUS AND CONNECTED VEHICLES USING MACHINE LEARNING" (SSN : 0378 – 4568).
Mrs. Anjamma bonala is awarded for final exam completion in Database Programming with SQL, organized by ORACLE academy.
Mr. Kundan. B, published a paper on "Machine Learning Approaches on Health Care Data: A Survey" in IEEE, Scopus Indexed submitted on 30th November 2022.





FDP/ Webinar/NPTEL/workshop/conferences attended

Mr. T. Rakesh Kumar participated in Webinar on "Research and Publication Ethics" organized by the IQAC in Association with Saveetha College of Liberal Arts and Sciences, Chennai.
Mr T. Rakesh Kumar participated in workshop on "A Vibrant Eco System Of Innovations, Research And Extension Activities For Constructive Frame Work Of Higher Education Institutions" organized by Research forum of St. Peter's institute of higher education and Research in association with Indian Spectrophysics Association(ISPA).
Mrs China Archanna attended the "INTERNET OF THINGS" under Training of Trainer program organized by C-DAC.
Mrs..Y.Shiva Sree got certified in NPTEL course in Research Ethic and Introduction to Research.
Mrs. NVN Sowjanya got certified in NPTEL course in Data Base Management System.
Mrs. K.Srilatha Reddy attended the FDP on Recent Trends in Artificial Intelligence organized by Chaitanya college (Deemed to be University).
Mrs. Anjamma Nomula attended the FDP on "Amazon Web Services" organized by Dept. of IT & Dept. of CSE, CMR Engineering College.
Mrs. Anjamma bonala attended the FDP on "Multi Technology" organised by the Department of Computer Science & Engineering, Teegala Krishna Reddy Engineering College.

STUDENT ACHIEVEMENTS

Mr T. Sai Lalith Prasad recieved best paper award in IJIEMR-ELSEVIER SSRN RESEARCH AWARDS on title " Weapon recongnition in Investigation system using deep learning" ISSN NO 2456-5083.



Mr. Satwik Reddy Mokila participated in IBC HACK FEST organized by IBC Media from 22 November to 29 November, 2022.

Mr. Mannepalli Tharun secured 3rd place in SENIOR RANKING BADMINTON TOURNAMENT-2022 organized by BADMINTON ASSOCIATION OF TELANGANA on 13th November 2022.



- Total 37 students got placed in the campus placements.

DEPARTMENT ACTIVITIES

Dept. celebrated the following at the college

- Telangana National Integration Day on 17 September 2022.
- Bathukamma celebrations on 30 September 2022.
- 75th Independence Day on 15 August 2022.







DEPARTMENT OF INFORMATION TECHNOLOGY

The Department of Information Technology is headed by J.Praveen Kumar(Asso.Proff),Ph.D with 7years of experience in teaching and is supported by well-qualified faculty.The department boasts of a unique mode of learning with good infrastructural facilitates and 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 department of Information Technology focuses to produce technically strong graduates in the field of Information Technology, who will be useful for the society

Mission

- *To impart sound knowledge in English, basic sciences and Information Technology which will improve students employability.*
- *To train the graduates and inculcate the importance of communication skills, research and to pursue for higher studies by conducting workshops, seminars.*
- *During graduation, students are encouraged to learn ethics.*

FDP'S/CONFERENCE'S/WORKSHOP'S/SEMINOR'S ARE CONDUCTED BY THE DEPARTMENT.
FACULTY ATTENDED LIST:

- **Dr J. Praveen Kumar** *participated in*
- *Machine Learning Algorithms for Dead Time Systems (MLADTS) from 24/1/2022 to 29/1/2022.*
- *INTERNET OF THINGS from 20/6/2022to 07-11-2022.*





Mrs.Somireddy Pavani *participated in*

- *Augmented & Virtual Reality with Data science from 06-06-2022 to 06-11-2022.*
- *COURSERA-Building a Text-Based Bank in Java on 28-06-2022.*
- *COURSERA- Command Line in Linux (25/5/2022).*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*







Mr. SRAVAN KUMAR *participated in*

- *"Emerging Trends in Artificial Intelligence"From 25/5/2022to 31/5/2022.*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*
- *"How to Plan for Start-up and Legal & Ethical Steps" From 28/5/2022to 07-11-2022.*
- *COURSERA- Command Line in Linux (28/5/2022).*
- *COURSERA-Building a Text-Based Bank in Java (28/6/2022).*







Mrs. Goli Archana *participated in*

- *Augmented & Virtual Reality with Data science from 06-06-2022 to 06-11-2022.*
- *"Emerging Trends in Artificial Intelligence"from 25/5/2022 to 31/5/2022.*
- *COURSERA- Command Line in Linux (25/5/2022).*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*
- *COURSERA- Build a Data Science Web App with Streamlet and Python (25/5/2022).*
- *COURSERA-TypeScript Operators (25/5/2022).*







Mrs.N.Priyanka *participated in*

- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*
- *Completed NPTEL Online Certification on Introduction to Research (Aug-Oct-2022).*
- *Participated in one week faculty development program on "Emerging Trends in Artificial Intelligence" organized by Bhimavaram Institute of Engineering & Technology and Blackbuck Engineers Pvt Ltd from 25-31 May, 2022*






Mrs.Etikala Aruna *participated in*

- *"Emerging Trends in Artificial Intelligence "From 25/5/2022to 31/5/2022.*
- *NPTEL E-Awareness workshop (01-05-2022).*
- *"How to Plan for Start-up and Legal & Ethical Steps" (28/5/2022).*
- *COURSERA-Create a Virtual Private Cloud (VPC) Using AWS (29/6/2022).*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*
- *Augmented & Virtual Reality with Data science FROM 06-06-2022 TO 06-11-2022.*
- *COURSERA-Building a Text-Based Bank in Java (28/6/2022).*
- *NPTEL- Cloud Computing (01-07-2022).*
- *COURSERA-TypeScript Operators (28/6/2022).*










Mrs. Jyoshna Allenki *participated in*

- *Emerging Trends in Artificial Intelligence from 25/5/2022to 31/5/2022.*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*

** MATLAB MASTER CLASS 30 days Skill APSSDC participation from 01-08-2022 to 30-08-2022.*

** One week faculty development programme(FDP) on "ERP Tools and Techniques" organized by VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE from 05th to 09th September,2022.*

** D Y Patil Institute of MCA and Mangement, Akurdi, Pune conducted Two days online INTERNATIONAL WORKSHOP on "Research Methodology" scheduled form29th to 30th September,2022.*

** One Week Online Faculty Development Program on Emerging Research Trends in Computer Science on 27 July - 02 Aug. 2022, organised by Department of Computer Science and Engineering, Amity University Madhya Pradesh.*

** COURSERA TypeScrip Operators an online non-credit project authorized by Coursera Project Network(27-06-2022)*

** One Week Online Faculty Development Program on "Emerging Trends in Artificial Intelligence" organized by Bhimavaram Institute of Engineering & Technology and Blackbuck Engineers Pvt Ltd from 25-31 May, 2022.*









Mrs.K.Hymavathi *participated in*

- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*



Mrs.A.Pavani *participated in*

- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*



Mr. JAKKULA SUDHEER KUMAR *participated in*

- *Innovative mechanism and standards for assuring quality in HEIs"From 03-11-2022to 03-12-2022.*
- *INTERNET OF THINGS from 20-06-2022 to 11-06-2022.*
- *COURSERA-Building a Text-Based Bank in Java(25-06-2022).*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*
- *MATLAB MASTER CLASS 30 days Skill APSSDC participation from 01-08-2022 to 30-08-2022.*
- *COURSERA -TypeScript Operators(25-06-2022).*
- *One Week Online Faculty Development Program on Emerging Research Trends in Computer Science on 27 July - 02 Aug. 2022, organised by Department of Computer Science and Engineering, Amity University MP.*
- *One week faculty development program on "Amazon Web Services", from 22nd to 27th August,2022 organized by SRIDEVI WOMEN'S ENGINEERING COLLEGE,HYDERABAD.*










Mr. GADDA RAJKUMAR *participated in*

- *IAQHEI'2022 - Innovative mechanisms & standards for Assuring Quality from 03-11-2022 to 2-03-2022. .*
- *How to get Internships & Scholarships on three level Microsoft Certification Programs from (20-06-2022).*
- *COURSERA -Basic Image Classification Machine Learning with TensorFlow(30-06-2022).*
- *"Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving "Value Proposition Fit" & "Business Fit"(23-05-2022).*
- *COURSERA- Python Program From UST(30-06-2022).*
- *UGC SPONSERED faculty induction program JNTUH from 21-11-2022 to 21-12-2022.*
- *Programming essentials in Python in association with TASK, Hyderabad held during 8th -13th August- 2022.*






Department Activities

** Bathukamma Celebrations by IT department in college on 30th September 2022. The dept won consolation prize for making Bathukamma.*





** Celebrated pooja ceremony on account of Ganesh Festival on 03-09-2022.*




** Telangana National Integration Day on 17th September 2022 at College.*
** Celebrated Sir Dr. Sarvepally Radhakrishna Birth Anniversary as Teachers Day on 5th September 2022 by NSS unit at college.*



** Celebrated Sir Mokshagundam Vishweshwarayya Birth Anniversary as Engineers Day on 15th September, 2022 by NSS unit at college.*
** Conducted one week faculty development programme on Programming Essentials in Python from 8th to 13th August, 2022.*






STUDENT ARTICLE

The Lion and the Poor Slave

There was once a slave who was treated cruelly by his master. One day, he couldn't take it anymore and ran away to the forest to escape. There he chanced upon a lion who couldn't walk because of the thorn in its paw. Although he's scared, the slave mastered his courage and took out the thorn in the lion's paw. When the lion was finally free of the thorn, he ran into the forest and didn't harm the slave. Sometime later, the slave was caught by his master along with some animals in the forest. The master then ordered the slave to be thrown into the lion's den. When the slave saw the lion, he recognized it as the same lion he helped in the forest. The slave was able to escape the den unharmed and he freed all the other animals.

Moral of the story:

The good you did will always have a way of coming back to you. So do good deeds and be kind to others and the world will be kind to you.

J.RAHUL
21R91A1231
IT 2ND YEAR



DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

Computer Science and Design Course is confederate to Computer Science and Engineering, which not only focuses on Computing Technologies, Software's, Programming and Tools but also incorporates the various Design Methods and Interaction Approaches. The course aims at achieving the interdisciplinary skill-set that enables the graduates to endow themselves in various fields such as IT industry, Animation, Virtual Reality, Augmented Reality, Multimedia, Robotics, Game Development, Entertainment, Digital Analytics & many more.

The department is headed by Dr.Sarangam Kodati who has 10 years teaching experience and 4 years research experience.



Dr.Sarangam Kodati
(HOD)

Vision

Students will benefit from different opportunities to fit into place in high-quality digital technology programs that encourage their ability to:

- *Develop and apply computational and design engineering to deal with real-world problems and design creative solutions.*
- *Navigate the active digital background to become strong, productive, global-minded persons.*
- *Participate in a wide-ranging and various computing society that appreciates and incorporates perspectives from different people.*
- *Engage as collaborators, researchers, and entrepreneurs on a clear path to success through education and profession.*

Mission

Computer science and design course prepares students to be successful in knowledge-based global market by providing fair and extended access to high-quality, standards-based, creative computing degree like this future-proof computer science and technological design engineering.

FACULTY ACHIEVEMENTS

TEXT BOOKS PUBLISHED:

* Dr.Sarangam Kodati , published a text book on Artificial Intelligence from RK Publications,ISBN:9789395331227 PATENT PUBLISHED
* Dr. Sarangam Kodati published " Dynamical system of ammensal relationship of humans on plants and birds with time delay". Publication Date: 20/08/2022 Application No. 202241047489 A.

INTERNATIONAL PUBLICATIONS:

* Dr.Ramesh Chandavath, Dr.V.Surya Narayana, M.Annapurna and Dr.Sarangam Kodati published "Market Basket Analysis using Datamining", JOURNAL OF OPTOELECTRONICS LASER, and ISSN: 1005-0086, Volume-41, Issue-8, 2022. (SCOPUS).
* Mr. Kundan. B, Dr. S. Pushpa published"Machine Learning Approaches on Health Care Data: A Survey" in IEEE, Scopus Indexed submitted on 30th November 2022, waiting for acceptance.
* Sanjeeva Rao Sanku, Pranitha Reddy Chimmula, Revani Pavan Kumar & Narahari Manideep Reddy published "Segmentation Technique for Images Using K-means Clustering", International Journal for Modern Trends in Science and Technology(IJMTST), Volume 8, Issue 6, Page No.:452-457 DOI: https://doi.org/10.46501/IJMTST0806077, on 18-07-2022.

WORKSHOPS/FDPs:

1. Dept faculty participated in one day National expert lecture on "IOT Device Security: in & out of the Box" conducted on 24th August 2022, organized by Dept of CSE of Matrusri Engineering College.

➢ **Mr. KUNDAN. B**

S.No	Program	TOPIC	Organized By	Dates
1	Three Day FDP	Artificial Intelligence, Machine Learning and Deep Learning	Dept of BSC & IQAC at Mohamed Sathak college of Arts & Science, Chennai	10-08-2022 To 12-08-2022
2	One week FDP	Amazon Web Services	Panimalar Engg College & AICTE	22-08-2022 To 27-08-2022
3	International Conference	International Conference on Advanced Computing and Informatics	SIMATS School of Engineering	09-09-2022 To 10-09-2022
4	Webinar	Basic To Advanced Guide on Research Paper Writing	Research Graduate	10-09-2022
5	One day workshop	Exploratory Data Analysis	Dept of CS & IQAC at Mohamed Sathak college of Arts & Science, Chennai	23-09-2022
6	Webinar	Research Paper Publication	Research Graduate	24-09-2022
7	One Week virtual FDP	Faculty Induction Program	SPIHER	10-10-2022 To 18-10-2022
8	FDP	FDP on Series of Python	CSE Dept of SPIHER	01-12-2022 To 02-12-2022
9	Workshop	A Vibrant Ecosystem of Innovations, Research and Extension Activities for Constructive Frame Work on Higher Education Institutions.	SPIHER	05-12-2022

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.

FACULTY ACHIEVEMENTS

Dr. KMV Madan Kumar and Dr. Vadivelan N published a paper on "A Novel CNN-TLSTM Approach for Dengue Disease Identification and Prevention using IoT-Fog Cloud Architecture", in Neural Processing Letters, Springer.

Dr. Vadivelan N published a paper on "Content based image retrieval using Convolutional Neural Network and extreme learning machine in corel dataset", in NeuroQuantology.

Mrs Sangeeta Jawar got Ph.D admission in Amity School of Engineering and Technology (ASET), Raipur, Chattisgarh.

Dr. Vadivelan N published a eBook on SpringerLink – our content platform in Book Title "Innovations in Signal Processing and Embedded Systems"

Dr. Ch.V.Phani Krishna, Dr. K.Bhargavi, Dr.N.Vadivelan published a paper on "AI and ML Models to Predict Climate Extremities and Climate Change Mitigation through High-Precision Analytics" in International Journal For Innovative Engineering and Management Research.

Dr. N. VADIVELAN , Professor, Department of AIML, participated in One Week Online National Level Faculty Development Programme on "Recent Tools & Technologies for Data Science and Artificial Intelligence" held from 19.09.2022 to 26.09.2022 organized by Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh.


MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

Department of Computer Science & Engineering

Certificate of Participation

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

Striving to provide quality education and train students in the interdisciplinary technologies to meet the needs and demands of society shaping them into skillful engineers imbibed with professional ethics in the field of Electronics and Communication Engineering.

Mission

- *Imparting quality education in Electronics and Communication Engineering through effective teaching – learning process and make the students useful to the society.*
- *Involving the students in creative and group activities.*
- *Empowering the students to prepare them for technicality, employability and entrepreneurship capabilities with social etiquettes.*
- *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.*

Department Activities:

1.FDP on Programming Essentials in Python from 8th to 13th August 2022 under govt of Telangana initiated by TASK.







- **Publications**

International Journals

1.Dr.KV Murali Mohan published a paper entitled "Analysis Of Heart Disease PredictionUsing Machine Learning Classification Algorithms" in "JOURNAL OFOPTOELECTRONICS LASER" on August 2022, Volume 41 Issue 8, 2022 Pp. 836-849.ISSN: 1005-0086.

2. R. Shankar et al, A brief overview Applications of Artificial Intelligence in Machine Learning, Journal of the Maharaja Sayajirao University of Baroda, UGC Approved Journal offline ISSN: 0025-0422, pp. 29 to 53, Volume-56, No.1 (I) 2022.

3. R. Shankar et al, IOT BASED SMART HIGHWAYS, International Journal of Creative Research Thoughts (IJCRT), Volume 10, Issue 6 June 2022 pp.820-823, ISSN: 232 02882,
UGC Approved Journal No: 49023 (18)
4.Pydimarri Padmaja Machine Learning cloud-Based Approach to Identify and Classify Disease2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)

Books

R. Shankar et al, Electron Devices and Circuits Engineering, ISBN: 9789356251113, Publisher: SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE, 1st edition 2022

R. Shankar et al, Introduction to Wireless Technologies, ISBN: 9789356254770, Publisher: SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE, 1st edition September 2022

Patents

R. Shankar et al, Systematic approach to analyse the pros and cons of organic photovoltaic cells, Application No. 202141061583, The Patent Office Journal, page 325/624, issue 42/2022 dated 21/10/2022

NPTEL

- Dr.Pydimarri Padmaja got certified in NPTEL on Introduction to Internet of Things

Student Achievements

- 220 students completed internships in different reputed companies

Under NSS faculty coordinator K.Kumara Swamy, Asst Prof. the following activities were conducted

- On the occasion of yoga day on 21st June 2022, NSS unit organized a programme on importance of yoga in daily life and all the participants (staff and students) actively participated in it.
- NSS volunteers participated in Azadi ka Amrit Mahostav celebrations at college on 15th August 2022.
- A Blood donation camp was organized by NSS Unit in association with Central Blood Bank at Midhani Bus Depot on 27-08-2022.
- Celebrated Sir Dr. Sarvepally Radhakrishna Birth Anniversary as Teachers Day on 5th September 2022 by NSS unit at college.
- Celebrated Sir MokshagundamVishweshwarayya Birth Anniversary as Engineers Day on 15th September, 2022 by NSS unit at college.
- NSS Day celebrations were conducted by NSS unit at college on 24th September 2022.
- NSS volunteers participated in Clean India program at college on 19th October 2022.
- NSS unit conducted an Essay writing competition on the topic Role of Human values in 21st century in association with Satya Sai Seva Organization at college auditorium on 02-11-2022.
- One Day Career Building Programme was organized by NSS unit at college on 11th November 2022.
















ECE 3RD YEAR STUDENTS ARTICLES







Health -The Best Wealth

The saying "Health is Wealth" means that health is the biggest wealth anybody can have. Anything can be achieved if we have good health. It is not enough to have money alone we can make good use of wealth only if we have good health.

The age-old popular saying,Health is Wealth is a one-line treasure indeed. Health doesn't mean the absence of physical troubles only but refers to a state of complete physical,mental and social well-being.

In the past decade there has been an unprecedented rise in the growing problem of obesity in children,which is leading to type -2 diabetes, children especially in the cities,depend on junk or overeat,have sugar-sweetened beverages and include very few fruits and vegetables in their normal diet.As a result they become overweight and abese and make themselves vulnerable to lifestyle diseases like high blood pressure and type 2 diabetes.

The solution of this problem is simple -give the children a better option of nutritions and hygienic ame cooked food,made interesting through innovations.

School authorities should also take immediate steps to replace fast food items with health promoting items such as milk,eggs,bread,sandwich,fruits, chaat etc, students should be thought that health is wealth.If they remain healthy,only then they can concentrate on studies,just food will bring nothing but i'll health, obesity and unhappy life.

By
GOVINDU SRAVANTHI
(21R95A0408)

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:

S.NO	TITLE OF INVENTION	APPLICANT NAME	PUBLICATION DATE	APPLICATION NUMBER
1	MACHINE LEARNING BASED TECHNIQUES TO ANALYSE THE PROPERTIES OF VARIOUS MATERIALS THAT ARE USED AS SUPER CAPACITOR AND THEIR POSSIBLE APPLICATIONS	KALAGOTLA CHENCHIREDDY	22/07/2022	202211038206
2	DSIGN OF FRAMEWORK FO RANALYSIS OF PROS AND CONS OF INVERTER TIME DIVISION MULTIPLEXING FOR ELECTRICAL VEHICLE FROM THE PERSPECTIVE OF ON-BOARD CONTROLLER.	1. KALAGOTLA CHENCHIREDDY 2. KHAMMAMPATI R SREE JYOTHI	Under Screening & Classification	202211073254

Review History Report

KALAGOTLA CHENCHIREDDY

From: 1 July 2022 To: 23 December 2022

ISA Transactions
4 reviews completed

Manuscript title	Revision	Date completed
Output-Feedback Asymptotic Tracking Control for Rigid-Body Attitude via Adaptive Neural Backstepping	2	15 October 2022
Secure control for remote networked systems under false data injection attacks	0	3 October 2022
Output-Feedback Asymptotic Tracking Control for Rigid-Body Attitude via Adaptive Neural Backstepping	1	30 September 2022
Design of High Efficiency Induction Motor for EV With Novel GNSOGI-FLL Based Sliding Mode Speed Observer	0	26 July 2022

1. Kalagotla Chenchireddy reviewed a paper titled "A Passive Boost Inverter Based on Two-phase Switched Reluctance Motor Driver" The 6th International Conference on Mechanical, Electric, and Industrial Engineering (MEIE 2023) May 23-26, 2023 • Sanya, China.
2. Kalagotla Chenchireddy reviewed paper titled "Rectification of Power Quality issues using DSTATCOM: an Optimized Control Approach" for Cybernetics and Systems as part of Taylor & Francis. ISSN: 0196-9722 (print); 1087-6553.

PAPER PUBLICATIONS:

[1]. Sreejyothi, K. R., Chenchireddy, K., Kumar, V., Sydu, S. A., & Al-musannah, O. Bidirectional Battery Charger Circuit using Buck/Boost Converter. Proceedings of the Sixth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) ISBN: 978-1-6654-8270-7
[2]. Chenchireddy, K., Kumar, V., Eswaraiah, G., Sreejyothi, K. R., Sydu, S. A., & Ganesh, L. B. (2022, August). Torque Ripple Minimization in Switched Reluctance Motor by Using Artificial Neural Network. In 2022 IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT) (pp. 1-6). IEEE.
[3]. Sanagari, L., & Arunmozhi, R. (2022, August). Compatibility of Multi-Converters & Multi-Controllers for enhancement of hybrid systems for RE. In 2022 IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT) (pp. 1-6). IEEE.
[4]. Sanagari Lavanya got best paper award "Enhancing of Grid Interfaced hybrid system by using novel control strategy (DPFC) & Optimization techniques" in 17-19 october 2022 Innovative Technologies and their Applications in Higher Education.
[5]. Kalagotla Chenchireddy, D Sandhya, M Praveen, G Karthik, G Maruthi "AIR QUALITY MONITORING AND ALERT SYSTEM USING MQ135 GAS SENSOR WITH ARDUINO CONTROLLER" International Journal of Research Publication and Reviews, Vol 3, no 10, pp 2020-2026, October 2022
[6]. V Kumar, Y Maniteja Reddy, P Meghana, M Prashanth, J Srilakshmi "SOLAR TRACKER USING ARDUINO AND SERVO MOTOR" International Journal of Research Publication and Reviews, Vol 3, no 10, pp 2020-2026, October 2022
[7]. Kalagotla Chenchireddy , MD.Thanveer , G.Bharath, T.Manoj Kumar HYBRID ELECTRIC VEHICLES AND BATTERY ELECTRIC VEHICLES" Vol-6 Issue-1 2022 IJARIIE-ISSN(O)-2395-4396
[8]. Kalagotla Chenchireddy , K Sreevarsha , A Srujana , S Harshini "COMPARISON OF DIFFERENT CONVENTIONAL AND NONCONVENTIONAL ENERGY SOURCES" Vol-6 Issue-1 2022 IJARIIE-ISSN(O)-2395-4396
[9]. Kalagotla Chenchireddy, B Akanksha, Ch Preethi, D Vamshi "A REVIEW ON DIFFERENT POWER TRANSFORMERS" " Vol-6 Issue-1 2022 IJARIIE-ISSN(O)-2395-4396

FDP/WORKSHOP/SEMINAR/WEBINAR:

1. Kalagotla Chenchireddy participated in the
• One day National Level Webinar on "Power Quality Enhancement of Polluted Electric Utility Grid using Flexible Algorithm based UPQC" organized by Department of Electrical and Electronics Engineering, SRM TRP Engineering College, Trichy - 621 105 on 13.07.2022.
• 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.
• Five Day National Level FDP on "CRYPTOCURRENCY, BLOCKCHAIN &CYBER SECURITY" organized by Department of Commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara from 12th September 2022 to 16th September 2022.
• Two Days National Symposium on Academic Challenges towards Implementation of NEP in HEI's organized on 29th and 30th September, 2022.

• ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAME On "Learning Basic Level of Arduino" Spoken Tutorial IIT Bombay, organized by Department of Electrical Engineering at Yeshwantrao Chavan College of Engineering, Nagpur 441 110, conducted between 07 July 2022 to 13 July 2022.
• One day National Level Webinar on "Power Quality Enhancement of Polluted Electric Utility Grid using Flexible Algorithm based UPQC" organized by Department of Electrical and Electronics Engineering, SRM TRP Engineering College, Trichy - 621 105 on 13.07.2022.
3.V KUMAR participated in
ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAME On "Learning Basic Level of Arduino" Spoken T utorial IIT Bombay, organized by Department of Electrical Engineeri ng at Yeshwantrao Chavan College of Engineering, Nagpur 441 110, conducted between 07 July 2022 to 13 July 2022.

• A National Level Webinar on Adaptive Control Schemes for Grid-Tied Inverters to Improve Power Quality of Micro-Grid Systems" conducted by the Department of Electrical and Electronics Engineering, in Association with IEEE Student Branch & Tesla Club at SRM TRP Engineering college, Trichy on 17.08.2022
• 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.
• Two Days National Symposium on Academic Challenges Towards Implementation of NEP in HEI's organized on 29th and 30th September, 2022.
4.Satheesh Kumar Ghanapuram participated in one day International seminar on Quality Assurance through Accreditation held in hybrid mode at Dr. APJ Abdul kalam Academic complex, NITTTR, Chennai, India on November 24, 2022.
5.Rosaiah Mudigondla participated in one week online International faculty Development program on " Trends & Challenges in the Development of Electric Vehicles and Hybrid electric vehicles (Series-2)" held from 14th – 18th November,2022, organised by the Dept of Mechanical Engineering.
6.Rosaiah Mudigondla participated in national level webinar on "Adaptive Control Schemes for Grid-Tied Inverters to Improve Power Quality of Micro-Grid Systems" conducted by the Department of Electrical and Electronics Engineering, in Association with IEEE Student Branch & Tesla Club at SRM TRP Engineering college, Trichy on 17.08.2022.
7.Rosaiah Mudigondla has successfully completed National level E-Quiz with a consolidated score of 90%.
8.Rosaiah Mudigondla has participated in one week online International FDP on "Applications of Power Electronics in Renewable Energy sources and Electric Vehicles" held from 12th to 16th September 2022 organized by dept of EEE, Vidya Jyothi Institute of Technology, Hyderabad.
9.Ankathi Manjula participated in a five day workshop on "MODELING AND SIMULATION USING MATLAB/SIMULINK", organized by Department of Electrical and Electronics Engineering, Teegala Krishna Reddy Engineering College, Hyderabad, from 20th –24th October, 2022.
10. Nagasridhar participated in one week online international FDP on "Trends & Challenges in the development of electrical vehicles & Hybrid Electric Vehicles" held from 14th-18th November Organised by Dept of EEE, Lendi Institute of Engineering & Technology, Vizianagaram.

FDP/WORKSHOP/SEMINAR/WEBINAR: STUDENTS

1.B. Akanksha bearing roll number 20R91A0203 participated in one day National level webinar on "Power Quality enhancement of polluted electric utility grid using Flexible Alogorithm based UPQC" organized by Dept. of EEE, SRM TRP Engineering College, Trichy on 13.07.2022.
2.Kama Sreevarsha bearing roll number 20R91A0210 participated in one day National level webinar on "Power Quality enhancement of polluted electric utility grid using Flexible Alogorithm based UPQC" organized by Dept. of EEE, SRM TRP Engineering College, Trichy on 13.07.2022.

The following faculty got NPTEL Certificates

- Khammampati R Sreejyothi in "Introduction to Internet of Things".
- Rosaiah Mudigondla in "Introduction to Internet of Things".
- Rosaiah Mudigondla in "Cloud Computing".
- Santhosh Khatravath in "Cloud Computing".
- Kalagotla Chenchireddy in "Introduction to Internet of Things".
- V Kumar in "Introduction to Internet of Things".
- Nagasridhar Arise got NPTEL certificate in "Cloud computing".















TOPPERS LIST:

IV B.Tech EEE

S.NO	Hall Ticket No	Name of the Student	Percentage
1.	18R91A0233	POOJARI REETHU PRIYA	74.45
2.	19R95A0241	P SHIVA PRASAD	68.77
3.	19R95A0230	DURGAM SAI	67.96

III B.Tech EEE

S.NO	Hall Ticket No	Name of the Student	Percentage
1.	20R95A0212	EERLA KRISHNA	79.64
2.	20R95A0240	TUMULURI USHA	75.98
3.	20R95A0239	SIRIMALLA DILEEP	75.17

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering is headed by Dr.P.Venkat Ram Reddy who has 18 years of experience. It has grown into a full-fledged department with specializations in all the major areas of Civil Engineering. The Department is striving to foster a strong partnership with the industry to ensure relevancy in curricula and prepare graduates for the market challenges of today and beyond.



Dr.P.Venkat Ram Reddy
(HOD)

Vision

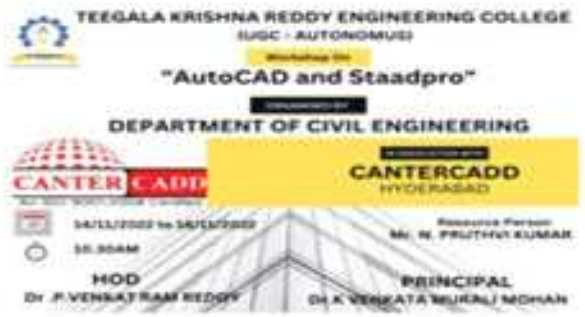
To impart technical knowledge in the field of civil engineering and expose the graduate students to the technology.

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.*

FACULTY ATTENDING WORKSHOP/FDP/WEBINAR/SEMINAR STTP ETC

1. A 5 day workshop on Auto Cad and Staadpro was conducted for students by the dept.





2. One day Industrial visit to Construction Site on 19.10.2022





3. One day visit to "Green Building Congress 2022-EXPO" at NOVOTEL on 21.10.2022





4.Art by Civil Engineering students at Bathukamma Event-2022



T.SRIVANI (21R95A0169)
T.KEERTHANA (21R95A0172)



V.ANUSHA (21R95A0184)

FACULTY ACHIEVEMENTS:

• Dr. P. Venkat Ram Reddy, Mr.V.Ramu & Ms.G. Lavanya published a paper on "Quantitative Analysis of Minor Irrigation Projects Using Geo Spatial Techniques".

• Mr.G.Veeresh Kumar got certified from NPTEL on "Engineering Drawing and Computer Graphics"

• Mr. Mohammed Muneeruddin Khan received Best Faculty award from Teegala Krishna Reddy garu on 15th August 2022.

• Mr. Mohammed Muneeruddin Khan & Mr. Chandra Gupta Nanna published a paper on "Comparative Study On Seismic And Wind Forces On Rcc Structure".





• Mrs. B. Jayamma & Mr P.Chaitanya published a paper on "Study on Using Waste Paper Ash In Construction Materials".
• Mr. S. Thriloka Nath Reddy, Mrs. S. Nagalaxmi, Mr. P. Chaitanya & Mrs. D. Sai Priyanka published a paper on "Strength Characterestics of Coconut Fibre Reinforced Concrete".
• Mr P.Chaitanya attended FDP on Impact Lecture Series organized by Institution's Innovation Council of Vivekananda Institute of Technology, Jaipur on 5th July 2022 and 19th July 2022.
• Mr P.Chaitanya participated in the two day workshop on Mix Design Of Concrete on 16th &17 July, 2022.
• Mr P.Chaitanya attented one day workshop on AutoCAD-2D on 25th July 2022.
• Mr P.Chaitanya participated in Webinar on "Special Types Of Concrete and Reinforcements in Construction Practice" presented By Dr. P. Kapil Dev organized by the department Of Civil Engineering and ICI - Students Chapter Of Annapoorana Engineering College, Salem on 27th July 2022.
• Mr. P.Chaitanya participated in webinar on "Chemistry of Concrete" organized by ICI - Students Chapter of Annapoorana Engineering College, on 5th September 2022.
• Mr. P.Chaitanya participated in Virtual Session Program on "Latest Trends in Green Building" organized by JUIT Student Chapter IGBC on 14th September, 2022.
• Mr. P.Chaitanya actively participated in Expert talk on "Sustainable Water Resources Development using Coastal Reservoirs" organised by Velagapudi Ramakrishna Siddhartha Engineering College on 23rd September 2022.
• Mr. G.Veeresh Kumar and M.Nagasailaja participated in FDP on "Engineering Graphics Using AutoCAD" organized by MLR Institute Of Technology from 26th October, 2022 to 31th October, 2022.
• Mr.P.Chaitanya participated in the webinar on "Application of Artificial Intelligence in Civil Engineering" organized by dept of Civil engineering, R.V.R & J.C college of engineering on 27th October,2022.
• Mr. P.Chaitanya participated in the webinar on "Vision Based Damaged Monitoring Of Structures Using Deep Learning" organized by dept of Civil engineering, R.V.R &J.C college of engineering, on 28th October, 2022.
• Mr. P.Chaitanya participated in the webinar on "Evolutionary Algorithms For Optimal Reservoir Operation" on 10th November,2022 &"AI Enabled Remote Sensing and Gis Solutions To Civil Engineering Problems" on 11th November,2022 organized by dept of civil engineering, R.V.R &J.C college of engineering.
• Mr. P Chaitanya participated in Green Talk with Experts on "Efficient Rainwater harvesting" organized by Department of Civil Engineering - JUIT Solan in collaboration with Indian Green Building Council, Chandigarh Chapter on 24th November, 2022.
• Mr. P.Chaitanya participated in the 5-days online FDP on "Application of Artificial intelligence & Machine learning in Civil Engineering" organized by dept of civil engineering,Vishnu Institute of Technology from 24th November 2022 to 29th November,2022
• Mr. P.Chaitanya participated in webinar on "Ozone Day 22" organized by CEA, CED on the occasion of world Ozone day 2022.
• Mr. G.Veeresh Kumar participated in FDP on Advanced Technologies for Emerging Research in Mechanical Engineering organized by Annamacharya Institute of Technology & Sciences from 5th December, 2022 to 9th December, 2022.
• Mr. G.Veeresh Kumar participated in FDP on "Engineering Drawing through AutoCad" organized by CVR College Of Engineering during 10th November,2022 to 15th November,2022.

DEPARTMENT MOU's:

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









STUDENTS PLACEMENT DATA FROM JULY to DECEMBER 2022:

- Final year students M.SIDHARTH, S.MOUNICA & THATHA RAJU got placed in COGNIZANT with 4.0 lakhs package.
- Final year students U. Devi Priya, Ch.Saiteja, Purnith Reddy & V.Mamatha got placed in MEDIA MINT with 3.2 lakhs package.

STUDENT ARTICLE

The Ugly Duckling

Most of us have probably heard of this story as this is one of the most popular fairy tales in the world. The story revolves around a duckling who from the moment of his birth has always felt different from his siblings. He was always picked on because he didn't look like the rest of them. One day, he had enough and ran away from the pond he grew up in. He wandered near and far looking for a family who would accept him. Months passed and seasons changed but everywhere he went, nobody wanted him because he was such an ugly duck. Then one day, he came upon a family of swans. Upon looking at them, he realized that during the months he spent looking for a family to call his own, he had grown into a beautiful swan. Now he finally understood why he never looked like the rest of his siblings because he isn't a duck but a swan.

Moral of the story:

We shouldn't be too quick to judge others based on their physical appearance. Just because someone doesn't fit societal definitions of beauty doesn't mean they're ugly. Each of us is beautiful in our own unique way and it's time we accept and celebrate that individuality.



Ch.Poojitha
22R95A0110
CE 2nd YEAR

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)

1. A Three day awareness programme (June 16,17, 18thwas conducted for students by Kapil)
Dr.Venkata Murali Krishna, Principal has appreciated the inspirational and valuable services like free lectures, demos, jobs information of Kapil Guru under the guidance of Zaheeruddin, Managing director of Kapil Guru. Principal permitted to have interaction sessions with engineering students.



2. Independence Day –Elocution competition on 13-14th August



3. Orientation /Induction Programme from Oct 31st to Nov-4th for 1st B.tech students



4. Motivation programme by Prof.L.Saikumar from Nov 28th to Dec 2nd for 1st B.Tech students



FACULTY ACHIVEMENTS

By Dr A. NAGARJUNA

PATENTS

Electric vehicle charging in smart grid: a spatiotemporal optimization method for green environment Dr A. NAGARJUNA, N. KOTILINGAIAH, Dr. GANJI SAIDULU, Dr. K.V.S.N RAJU & Dr. K. K SWAMY. Application No.202241048000A Patent Office Journal No.35/2022Dated 02/09/2022

Synthesis, characterization and applications of nano structured conducting polymers

Dr.V.SREENIVAS, Dr.M.ARUNA, Dr.K.SHYLAJA, Dr.A.NAGARJUNA, N.KOTILINGAIAH Application No.202241047489A Patent Office Journal No.37/2022 Dated 16/09/2022

3 Molecular interactions in binary mixtures of 2,6 Dimethyl Cyclohexanone and correlation with the jouyban– acree model

Dr SHAIK BABU, Dr A.NAGARJUNA Application No 202241058097 published on Date 21/10/2022

PUBLICATIONS

Acoustic and viscosity studies of the binary mixtures of Parabens with alcohols at T= (298.15-323.15) K. Srisanthi, A. Nagarjuna, S. Sreehari Sastry 10.48047/IJIEMR/V11/ISSUE 09/12 International Journal for Innovative Engineering and Management Research 11(09),103-111(2022).

Volumetric studies on ethyl-4-hydroxy benzoate with substituted amide liquid mixtures at different temperatures A.Nagarjuna, K.V.S.N Raju, P.Arun Kumar, N.Kotilingaiah Neuro Quantology 20 (13), 1769-1777(2022) doi:10.14704/nq.2022.20.13.NQ88220.

* Completed NPTEL Course (Jul-Oct 2022) on "Physics of Renewable Energy Systems".
* Participated FDP/PDP on Innovative Use of Educational Mediaand Technology organized by NITTTR, Chennai authorized by Govt of India from1 st –5 th Aug 2022.
* On 10-9-2022 accomplished YOUNG SCIENTIST AWARD conducted by IJIEMR-ELSEVIER SSRN RESEARCH AWARDS 2022.
* On 03-11-22 accomplished BEST RESEARCHER AWARD conducted by Novel Research Academy
* Puducherry in name of National faculty award 2022-23.
* Life membership in Indian Society for Technical Education(ISTE).
* Life membership in Society for Learning technologies(SOLET).

FACULTY ARTICLE

Twinkle Stars

In the starry night,
It's stupendous to see
the twinkling of stars.
The charm of galaxies
mesmerize every soul.
Shooting stars assure
a ray of hope.
Fascinate endless
counting of the stars.
The elegance of
luminous objects
in the night sky
make our heart smile.

In the glittering night
the baby cried for twinkle stars.
Searched for shimmers
with a great aspiration
in the glaring lights
It turned into vain.
Is it my mistake to describe
the magical stars
and it's charm?
Is it not absurd to observe
twinkle stars through naked eyes in this technical world?
Failed to make the baby
sparkle with smile
for scintillating stars!!

By
Dr.V J E Caroline
Professor

Name of Faculty	FDP/Webinar/Conference/NPTEL	Attended Dates	Organized by
Dr.V.Madhavi	Attended TWO day Inter-lingual international conference on Ethics and Human values through literature YMN	16,17th 2022	Yashwanth Mahavidyala Nanded Maharastra.
Dr.V.J.E Caroline	Received Best mentor award in the field of education and counseling	17-07-2022	International Research And Creativity Development U.S.A
	Received Best teacher award from J.D. Laxmi narayana garu	18-09-2022	Lions International Dist.320a
	Participated as a guest speaker in the world record event, 'International Speaker Marathon'.	11-11-2022	ABCD International Family and Bhabad International Publications Record in OMG Book Of Records
	Enrolled PhD in English at Vignan University	16-11-2022	Vignan Univesity Guntur AP
	Received World Super Hero Special Recognition Award	20-11-2022	American International Educational Federation
	Attended a workshop on elimination on violence against women issues and solutions as resource person	25-11-2022	Jbr Engineeering College Hyderabad
DS.Lakshmi Sudha	Attended international conference on viscous ricci dark energy cosmological model in general theory of gravitation	28,29,30 JULY 2022	SRTM University Nanded Maharastra
	Presented a paper international conference ON viscous ricci dark energy cosmological model in general theory of gravitation	29 TH DEC,2022	SRTM University Nanded Maharastra
	Attended international conference on viscous holographic dark energy cosmological model in general relativity	29,30th DEC 2022	Andhra University Vishakpatnam
	Attended international conference on viscous holographic dark energy cosmological model in general relativity	30TH DEC 2022	Andhra University Vishakpatnam
	FDP on basic linear algebra	FEB-APR 2022	Nptel IIT Bombay
	FDP on essential mathematics for machine learning	JULY-OCT 2022	Nptel IIT Bombay
	Paper publication in Scopus on viscous holographic dark energy cosmological model in general relativity	17 TH OCT,2022	SCOPUS
	Paper publication in IJMER a general introduction to the sub class of harmonic univalent functions associated with subordination	SEPT 2022	IJMER
G.Vedhavathi	FDP on essential mathematics for machine learning	JULY-OCT 2022	NPTEL IIT Bombay
Dr.N. Kotilingaiah	R&D Program	31/11/2022 to 06/12/2022	
	Russian Journal of organic chemistry	24/10/2022	Springer
R. Srinivas Reddy	FDP on Biological Inorganic Chemistry	July-Oct 2022	NPTEL- IIT Kharagpur
H.Vindhya	FDP on Analytical Chemistry	July- Oct 2022	IIT Karaghpur NPTEL
Dr.Kumaraswamy	R&D Equipment : Structural Identification of compounds by Analytical Techniques by Synergistic Training Program Utilizing the Scientific and Technological Infrastructure(STUTI),	19-07-2022 to 25-07-2022	National Institute of Technology-Warangal,
B.Gayathri	Workshop on Condensed matter research	15-12-2022	CVR Engineering College
G.Sunitha	FDP on Nano technology science and application	July-sep 2022	NPTEL IIT Madras

K Sivamahalaxmi	FDP on Nano technology science and application	July-sep 2022	NPTEL IIT Madras
K Sivamahalaxmi	Workshop on Condensed matter research	16-12-2022	CVR Engineering College
K Sivamahalaxmi	Conference on Nano materials	28-30 Nov 2022	KL university
K Sivamahalaxmi	Published paper on acoustic property of benzyl benzoate	Sep 2022	neuroquantology
R.Nagaraju	SOFT SKILLS	July-Oct 2022	NPTEL-IIT-Madras
R.Nagaraju	Sustainable English language instruction(research paper)	AUG-SEP-2022	Pune Research Times
H.Vindhya	FDP on Analytical Chemistry	July- Oct 2022	IIT Karaghpur NPTEL
N.Phani Kumar	Sustainable English language instruction(RESEARCH PAPER)	AUG-SEP-2022	Pune research times
L.Nagaraju	Online Course on "Essential Mathematics for Machine Learning(NPTEL SWAYAM 12 weeks)	July to October 2022	Nptel Swayam ,IIT Roorkee
N.Usha Rani	Workshop on Condensed matter research	15/12/2022	CVR Engineering College
N.Usha Rani	Published Paper on Synthesis of ZnO Nano particles by Solid State Chemical Method	17/12/2022	MLR Institute of Technology, Hyderabad
N.Usha Rani	Attended International Conference on Advancements in Materials and Manufacturing	16/12/2022 to 17/12/2022	MLR Institute of Technology, Hyderabad
N.Usha Rani	Attended International Conference on Advancements in Materials and Manufacturing	16/12/2022 to 17/12/2022	MLR Institute of Technology, Hyderabad
K.Kavitha	FDP on Essential Mathematics for Machine Learning	July-Oct 2022	NPTEL-IIT-Roorkee
K.Lavanya	Condensed matter Research	15-16,Dec 2022	CVR Engineering College of Engineering

STUDENTS PAINTINGS



N.SINDHUJA
22R91A7391
I AIML B





N.VARSHA
22R91A7393
I AIML B







Gnathasri ,
22R91A73A9
AIML-B,





Tahura Tahniyat ,
22R91A73B3
AIML-B,





Devansh Agarwal ,
22R91A73C9
AIML-B ,

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.*

FACULTY ACHIEVEMENTS

S.No	Name of the faculty	Title Name	Name of the Journals/Conferences	ISSN/ISBN
1	Dr. V. SURYA NA RAYANA	Employee Attrition with Reference to Big Bazaar Volume 09 Issue 02	UI TECH	2321-8665
		Market Basket Analysis using Data mining	Journal of optoelectronics laser	1005-0086
		Performance analysis for supply chain Finance Management using Block chain Issue No.35/2022	The patent Office Journal No35/2022	No35/2022
2	Dr.CH.Ramesh	A study on performance of Sector Mutual Funds with reference to India info line Limited	UI TECH	2321-8665
		Enhancement of Management skills among students in select Management College Vol 14 spl 03.2022	INT-JECSE	1308-5581
		Performance analysis for supply chain Finance Management using Block chain Issue No.35/2022	The patent Office Journal No35/2022	No35/2022
		Market Basket Analysis using Data mining	Journal of optoelectronics laser	1005-0086
3.	D.Srisailam	Performance analysis for supply chain Finance Management using Block chain Issue No.35/2022	The patent Office Journal No35/2022	No35/2022
4.	G.Srinivas	Performance analysis for supply chain Finance Management using Block chain Issue No.35/2022	The patent Office Journal No35/2022	No35/2022
5.	M. Annapurna	Market Basket Analysis using Data mining	Journal of optoelectronics laser	1005-0086
		Performance analysis for supply chain Finance Management using Block chain Issue No.35/2022	The patent Office Journal No35/2022	No35/2022
		A study on Employee Job Satisfaction Vol -09 Issue 02 dec 2022	UI TECH	2321-8665






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Righteousness
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