TVISHI

(TKREC'S Ray Of Vision & Brilliance)

NEWS LETTER

ISSUE | 01

JAN - JUNE | 2024

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.S.Lavanya (EEE)
Mrs.S.Nagalaxmi (CE)
Mrs.Sangeetha Jhawar (AIML)
Mrs M.Priya (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 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 bend in the road is not the end of the road…unless you fail to make the turn." – **Hellen Keller.**

What is Adaptability?

Adaptability is a person's ability to adjust to changes in their environment. When thinking about your career aspirations, changes have a direct effect on how flexible you can be. Practicing adaptability may include how you are able to respond quickly to changes, for example:

New managers or co-workers have differing or new ideas for how work can be done. This requires having an open mind as well as sharing your views and ideas.

- An addition or change of responsibilities due to new systems drastically changes the way the work is done in order to meet compliance issues with policies inside or outside.
- A shift in work priorities to meet a business need causes different expectations.
- Strategies morph in response to unexpected changes like how we work during a global pandemic— how to maintain, improve and/or monitor workloads; how to adjust workspaces to accommodate changes in how work is getting done.
- The increased use of Zoom, Microsoft Teams, and online training vs in-person training are new trends that require a changed response.
- Work processes that increase efficiency, and improve or maintain excellence, means a changed way of operating.

Change is a natural part of life; therefore, adaptability is a crucial skill. When we accept that nothing stays the same forever, it gives us room to look for new opportunities to grow personally and professionally. Fighting change that you truly have no control over is like trying to keep the sun from rising or setting. Being actively involved helps you to embrace change by understanding it, being receptive, open and adaptable.

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

* *Students of CSE visited Industry - Salesforce on 14th March 2024.*





- *Students of CSE visited Industry - EY Corporate through Edunet on 20th March 2024.*





- *CSE department conducted "TNS India training program" for 3rd year students from 27th March to 7th June 2024*
- *CSE department conducted 6 weeks course on "Building Data Analytics Application with Cloud" for 3rd year students organized by Edunet Foundation*

- *A 5-day FDP on "OUTCOME BASED TEACHING/ LEARNING" was conducted for the faculty from 28th May to 1st June 2024.*





- *A 5-day FDP on "KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE" was conducted for the faculty from 11th to 15th June 2024.*









- *The first convocation was held on 13th July 2024 for 2020-2024 batch students*





FACULTY ACHIEVEMENTS

Dr. B. Srinivasa Rao

Published a paper on “Pre-Clustering Tendency Visual Assessment Of Techniques For Effective Data Partitions” in Grenze International Journal Of Engineering And Technology.

Published a paper on “Mining Deviation With Machine Learning Techniques In Event Logs With An ncoding Algorithm” in Journal Of Theoretical And Applied Information Technology(E-ISSN : 1817-3195)

Dr. CH V Phani Krishna

Published a paper on” Validation on selected breast cancer drugs of physicochemical features by using machine learning models” in International Journal of Public Health Science(ISSN: 2252-8806).

Published a paper on ”Prediction of Paddy crop diseases using convolution neural networks” in International Journal Of Novel Research And Development(ISSN : 2456-4184).

Served as judge for “ Innov8Tech” in National Level Technical Events “ JIJNASA-2024” on 2 April 2024 organized by Bhoj Reddy Engineering college for women, Hyderabad.

Received “Jyestha Acharya Award” in All India Level Biggest Award Ceremony of Education & Research 2023-24.

Published book chapter in LULU publication in June 2024 (ISBI No : 978-1-304-23241-0).

Dr. M. Suresh Babu and Dr. A. Pranayanath Reddy

Published a paper on " Safeguarding Privacy and Security in Seamless Connectivity Environment" in Tuijin Jishu/Journal of Propulsion Technology (ISSN: 1001-4055).

Published a paper on " AN AI BASED TECHNIQUE FOR POLL RESULT PREDITION" International Journal Of Applied Engineering And Technology(ISSN 2633-4828).

Published a paper on " Design And Development Of Web Application Using AI Based Sensors For Improving Air Quality Index" in SSRJ international journal of electronics and communication engineering(ISSN 2348-8549).

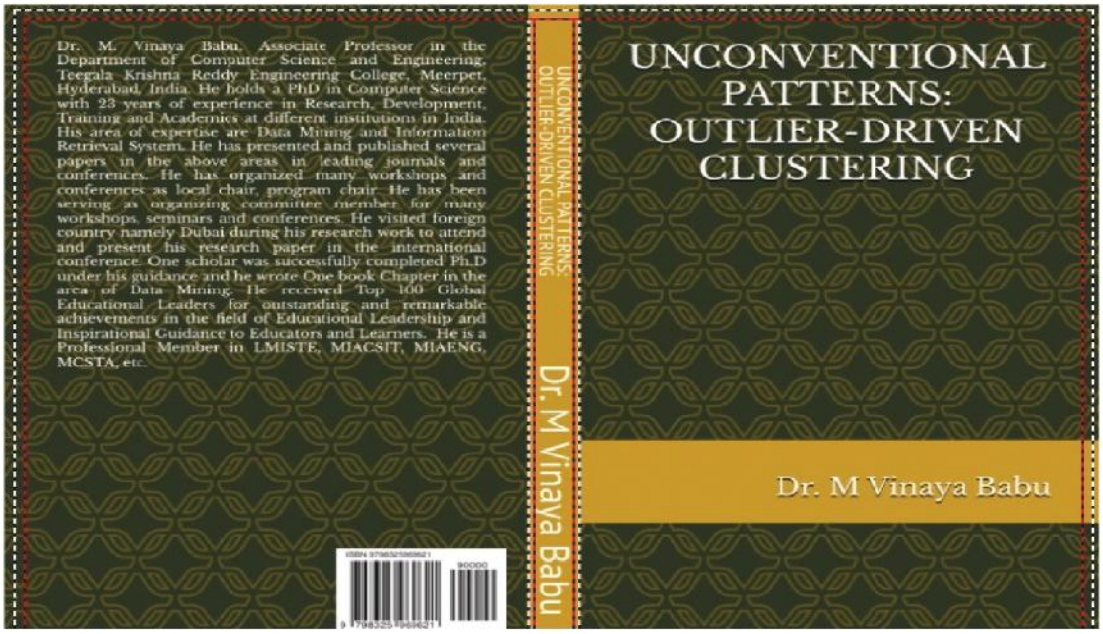
Dr. A. Pranayanath Reddy published a conference paper on "Backward Region Funding And Plaining Should Be Given Paramount Importance" in 12th International conference on contemporary issues in management

Dr. A. Pranayanath Reddy published a conference paper on "Revolutionary technologies and evolutionary laws: challenges and Opportunities" organized by School Of Law, Mahindra University, Hyderabad.

Dr BNV Madhu Babu published a patent on" A system and method for Block chain Based security for certificates issuing application by university" " in Intellectual Property India '27/2024'.

Dr M Vinaya Babu published a patent on" Smart Brain Monitoring Headset" Intellectual Property India.

Dr M Vinaya Babu published a book on "UNCONVENTIONAL PATTERNS:OUTLIER-DRIVEN CLUSTERING"



Mr P.V. Ram Gopal Rao published a paper on "Classification of Disease on Apple Leaf Using ML" in Mukt Shabd Journal (ISSN: 2347-3150)

Ms E Shirisha published a patent on" Block chain-Based Decentralized Authentication and Authorization system for secure transactions" in Intellectual Property India '39 of 1970'.

FDP/ Webinar/NPTEL/workshop/conferences attended

Mr. B. Narsingam cleared NPTEL course in Blockchain and its Applications, Natural Language Processing & Research Methodology.

P.Ratna Tejasvi and B. Priyanka participated in 5-Days FDP on" PROMPT ENGINEERING & GENERTIVE AI" organized by KL University.

P.Ratna Tejasvi and B. Priyanka participated in 5-Days Workshop on" EPAT24 Workshop: Empowering Creativity - Exploring the Possibilities of AI- Assisted Tools" organized by KL University.

Ms NVN Sowjanya participated in

5-Days FDP on "Block chain technology" organized by Ramarao Adik Institute.
5-Days FDP on "Business analytics" organized by Aissms college of Engineering.
5-Days FDP on "Deep learning and Artificial Intelligence" organized by Andhra Pradesh skill development organization.
5-Days FDP on "Data analytics power bi tableau" organized by faculty of IT &CS Panil University

STUDENTS ACHIEVEMENTS

10 Students got placed in EXCELR from 20R9 batch.
12 Students got placed in QSPIDERS from 20R9 batch.
1 Student got placed in BYTERIDGE from 20R9 batch.
In B.Tech, 50+ student batches published their mini project paper in IJRST (ISSN: 2457-0362)
In B.Tech, 10+ student batches published their major project paper in Journal of Engineering Sciences (ISSN: 0377-9254)
In B.Tech, 40+ student batches published their major project paper in ZKG International Journal (ISSN: 2366-1313).
In M.Tech, 8 students published their project paper in African journal of Biological Sciences (ISSN: 2663-2187).

- Third year students successfully completed their 3 months training period in TNS India training program.
- 80 Students got certified in 6 weeks course on Advanced Data Analytics



EY Building a better working world

edunet foundation

CERTIFICATE

OF APPRECIATION

INTERNSHIP_1706620033825e9e8cb3702

PROUDLY PRESENTED TO

BOBBILI DISSHAA

STU65c0893ecd2fd1707116862

for successfully completing the 6 weeks of the EY Global Delivery Services led internship in collaboration with AICTE from 28 February 2024 to 25 April 2024 on **Advanced Data Analytics** under the **Next Gen Employability Program 2023-24.**

Nagesh Singh
Executive Director
Edunet Foundation

Dr. Ramesh Unnikrishnan
Advisor-II,
AICTE





• 20R91A05G2- Vedashri Vitthal Gore was awarded with gold medal for outstanding Academic performance on the first convocation day at the college


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE
(UGC- AUTONOMOUS)
Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTUH
Accredited by NAAC with 'A' Grade, Accredited by NBA

1st CONVOCATION
16th Graduation Day
13th July, 2024

GOLD MEDAL
CERTIFICATE

Sri Teegala Krishna Reddy
(Chairman, TKREC)

Certified that VEDASHRI VITTHAL GORE
bearing a hallticket number 20R91A05G2 is awarded the gold medal for outstanding Academic Performance in the Department of Computer Science Engineering under B.Tech Program 2020-24

Principal
Dr.K Venkata Murali Mohan

Secretary
Dr. Teegala Harinath Reddy



22R91A0544- CH. Madhuveer Reddy participated in Redbull All India level cricket tournament and got Third place.





DEPARTMENT ACTIVITIES

• 75th Republic day celebrations were held on 26 January 2024 at the College



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

Mrs.E.Aruna & Mrs. A.Vijetha participated in 10 Hours National Faculty Development Program on Blockchain Technology organized by Ramrao Adik Institute of Technology - D. Y Patil Deemed to be University, Bishop Heber College and SR University in Collaboration with ExcelR Edtech Pvt. Ltd. from 8th Jan to 12th Jan 2024.


EXCELR Raising Excellence · D.Y. PATIL · SR UNIVERSITY

CERTIFICATE OF PARTICIPATION

This is to certify that

Etikala Aruna

Participated in 10 Hours National Faculty Development Program on Blockchain Technology organized by Ramrao Adik Institute of Technology - D. Y Patil Deemed to be University, Bishop Heber College and SR University in Collaboration with ExcelR edtech PVT. LTD. Date: 8th Jan to 12th Jan 2024.

Prof. Dr. Vidhate Amarsinh, Head Computer Engineering Department, Ramrao Adik Institute of Technology, D. Y Patil Deemed to be University, Navi Mumbai, Maharashtra. · Dr.R.Thamarai Selvi, Director - Bishop Heber College · Dr. Sandip Bhattacharya, Professor and HoD, Dept of ECE, SR University, Warangal. · Rahi Tavva, CEO, ExcelR


EXCELR Raising Excellence · D.Y. PATIL · SR UNIVERSITY

CERTIFICATE OF PARTICIPATION

This is to certify that

Vijetha

Participated in 10 Hours National Faculty Development Program on Blockchain Technology organized by Ramrao Adik Institute of Technology - D. Y Patil Deemed to be University, Bishop Heber College and SR University in Collaboration with ExcelR edtech PVT. LTD. Date: 8th Jan to 12th Jan 2024.

Prof. Dr. Vidhate Amarsinh, Head Computer Engineering Department, Ramrao Adik Institute of Technology, D. Y Patil Deemed to be University, Navi Mumbai, Maharashtra. · Dr.R.Thamarai Selvi, Director - Bishop Heber College · Dr. Sandip Bhattacharya, Professor and HoD, Dept of ECE, SR University, Warangal. · Rahi Tavva, CEO, ExcelR

Mrs.B.Sushmitha, B.Shiva Yadav & Mrs.A.Vijetha participated in 10 Hours National Faculty Development Program on Business Analytics organized by AISSMS College of Engineering, SJC Institute of Technology and Matrusri Engineering College in Collaboration with ExcelR Edtech Pvt. Ltd. from 5th Feb to 9th Feb 2024.


EXCELR Raising Excellence · AISSMS

CERTIFICATE OF PARTICIPATION

This is to certify that

Beggarapu Sushmitha

Participated in 10 Hours National Faculty Development Program on Business Analytics organized by AISSMS College of Engineering, SJC Institute of Technology and Matrusri Engineering College in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 5th Feb to 9th Feb 2024.

Dr. D. S. Bormane, Principal, AISSMS College of Engineering, Pune - Maharashtra. · Dr. G T Raju, Principal, SJC Institute of Technology, (Affiliated to VTU) Chikkaballapur, Karnataka. · Dr. D. Hanumantha Rao, Principal, Matrusri Engineering College, Saidabad, Hyderabad. · Rahi Tavva, CEO, ExcelR Edtech Pvt. Ltd.


EXCELR Raising Excellence · AISSMS

CERTIFICATE OF PARTICIPATION

This is to certify that

Boorgam Shiva Yadav

Participated in 10 Hours National Faculty Development Program on Business Analytics organized by AISSMS College of Engineering, SJC Institute of Technology and Matrusri Engineering College in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 5th Feb to 9th Feb 2024.

Dr. D. S. Bormane, Principal, AISSMS College of Engineering, Pune - Maharashtra. · Dr. G T Raju, Principal, SJC Institute of Technology, (Affiliated to VTU) Chikkaballapur, Karnataka. · Dr. D. Hanumantha Rao, Principal, Matrusri Engineering College, Saidabad, Hyderabad. · Rahi Tavva, CEO, ExcelR Edtech Pvt. Ltd.


EXCELR Raising Excellence · AISSMS

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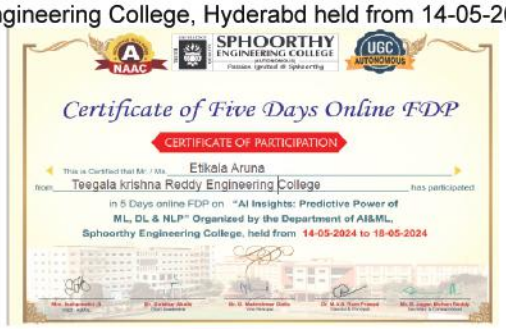
Dr. D. S. Bormane, Principal, AISSMS College of Engineering, Pune - Maharashtra. · Dr. G T Raju, Principal, SJC Institute of Technology, (Affiliated to VTU) Chikkaballapur, Karnataka. · Dr. D. Hanumantha Rao, Principal, Matrusri Engineering College, Saidabad, Hyderabad. · Rahi Tavva, CEO, ExcelR Edtech Pvt. Ltd.

Mrs. B.Sushmitha & B.Shiva Yadav participated in 10 Hours National Faculty Development Program on Deep Learning and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. from 26th Feb to 1st March 2024.


EXCELR
Certificate Of Participation
Awarded To
Boggarapu Sushmitha
Participated in 10 Hours National Faculty Development Program on Deep Learning and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 26th Feb to 1st March 2024.
Ram Tayva, CEO, ExcelR Edtech Pvt. Ltd.
Dr. Gujjula Ravi, Chief General Manager-Technical, APSSDC
Dr. Vinod Kumar V., IAS, Managing Director & Chief Executive Officer, APSSDC


EXCELR
Certificate Of Participation
Awarded To
Boorgam Shiva Yadav
Participated in 10 Hours National Faculty Development Program on Deep Learning and Artificial Intelligence organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 26th Feb to 1st March 2024.
Ram Tayva, CEO, ExcelR Edtech Pvt. Ltd.
Dr. Gujjula Ravi, Chief General Manager-Technical, APSSDC
Dr. Vinod Kumar V., IAS, Managing Director & Chief Executive Officer, APSSDC

Mrs E Aruna participated 5 Days online Faculty Development Program on AI Insignts:Predictive Power of MI.DL & NLP"organized by department of AIML, Sphoorthy Engineering College, Hyderabd held from 14-05-2024 to 18-05-2024.


SPHOORTHY ENGINEERING COLLEGE
Certificate of Five Days Online FDP
CERTIFICATE OF PARTICIPATION
This is Certified that Mr./ Ms. Etikala Aruna
from Teegala krishna Reddy Engineering College has participated
in 5 Days online FDP on "AI Insights: Predictive Power of ML, DL & NLP" Organized by the Department of AI&ML, Sphoorthy Engineering College, held from 14-05-2024 to 18-05-2024

Mrs.Lingala Sirisha, Mrs. Nelloju Priyanka & Mrs..B.Nirupama, attended One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT, VJIET.


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
CERTIFICATE OF PARTICIPATION
This certificate is Proudly Presented to:
Lingala Shirisha
Assistant Professor of Teegala krishna reddy Engineering College for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.
DR. N. SANDHYA, Convener
DR. C. D. NAIDU, Principal


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
CERTIFICATE OF PARTICIPATION
This certificate is Proudly Presented to:
Nelloju Priyanka
Assistant Professor of Teegala Krishna Reddy Engineering College for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.
DR. N. SANDHYA, Convener
DR. C. D. NAIDU, Principal


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
CERTIFICATE OF PARTICIPATION
This certificate is Proudly Presented to:
B.Nirupama
Assistant Professor of Tkrec for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.
DR. N. SANDHYA, Convener
DR. C. D. NAIDU, Principal

One Week Professional Development Programme on "Data Science Mastery" from 05th Feb to 10th Feb, 2024, organized by department of CSE - (CyS, DS) and AI & DS, VNR Vignana Jyothi Institute of Engineering and Technology.


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
CERTIFICATE OF PARTICIPATION
Proudly presented to
Mrs. ETIKALA ARUNA
Assistant professor
Information Technology
Teegala Krishna Reddy Engineering College
for attending
One Week Professional Development Programme on "Data Science Mastery"
(05th Feb to 10th Feb, 2024)
Organized by
Department of CSE - (CyS, DS) and AI & DS
VNR Vignana Jyothi Institute of Engineering and Technology

Mrs.B.NIRUPAMA & G.RAJKUMAR has participated in one week Faculty Development Program on Robotic Process Automation Associate (UiPath) conducted by ICT Academy from on 22 Jan 2024 to 27 Jan 2024 at the college.


ICTACADEMY

CERTIFICATE OF PARTICIPATION

C.No: 024-213618
Date: 27 Jan 2024

B.NIRUPAMA

Teegala Krishna Reddy Engineering College, Saroornagar

has participated in one week Faculty Development Program on

Robotic Process Automation Associate (UiPath)

conducted by ICT Academy on 22 Jan 2024 to 27 Jan 2024 at

Teegala Krishna Reddy Engineering College, Saroornagar

In association with UiPath

Hari Balachandran

verify.ictacademy.in


ICTACADEMY

CERTIFICATE OF PARTICIPATION

C.No: 024-213609
Date: 27 Jan 2024

GADDA RAJKUMAR

Teegala Krishna Reddy Engineering College, Saroornagar

has participated in one week Faculty Development Program on

Robotic Process Automation Associate (UiPath)

conducted by ICT Academy on 22 Jan 2024 to 27 Jan 2024 at

Teegala Krishna Reddy Engineering College, Saroornagar

In association with UiPath

Hari Balachandran

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Mrs.Vijetha Arroju ,has participated in One Day National Level Faculty Development Programme on RESEARCH FUNDING OPPORTUNITIES, organized by Research and Development Cell, ACE Engineering College, Hyderabad held on 14.02.2024.


ACE Engineering College

an AUTONOMOUS Institution

Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Ghatkesar, Hyderabad-Telangana State
Website: www.aceec.ac.in

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Vijetha Arroju , Assistant Professor of Teegala Krishna Reddy Engineering College, Hyderabad has participated in One Day National Level Faculty Development Programme on RESEARCH FUNDING OPPORTUNITIES, organized by Research and Development Cell, ACE Engineering College, Hyderabad held on 14.02.2024.

Dr.M.Prasad
Chief Coordinator R&DC

Dr. B.L. Raju
Principal and Chairman R&DC

M. Padmavathi
Mrs.M.Padmavathi
Joint Secretary

Powered by : ACE Engineering Academy

Mr.G Rajkumar, has participated in the International Conference on Data Acquisition Processing and Communication (DAPCom-2024) held from 29th February to 2nd March 2024.at MVSR Engineering College,Hyderabad.


International Conference on Data Acquisition Processing and Communication

DAPCom - 2024

29th February - 02nd March 2024

Department of Computer Science and Engineering

Maturi Venkata Subba Rao (MVSR) Engineering College

Certificate of Participation

This is to certify that G Raj Kumar , Asst.Prof, Dept of Information Technology

of Teegala Krishna Reddy Engineering College (autonomous), Hyderabad

has participated in the International Conference on Data Acquisition Processing and Communication (DAPCom-2024) held from 29th February to 02nd March 2024.

Convenor
DAPCom-2024

Mr. J SUDHEER KUMAR has participated in one week Faculty Development Program on Internet of Things conducted by ICT Academy from on 29 Jan 2024 to 02 Feb 2024 at ACE Engineering College, Ghatkesar, Hyderabad


ICTACADEMY

CERTIFICATE OF PARTICIPATION

JAKKULA SUDHEER KUMAR

Teegala Krishna Reddy Engineering College, Saroornagar

has participated in one week Faculty Development Program on

Internet of Things

conducted by ICT Academy on 29 Jan 2024 to 02 Feb 2024 at

ACE Engineering College, Ghatkesar, Hyderabad

Boorgam Shiva Yadav & Mrs.Etikala Aruna participated in 5 Days International Faculty Development Program on Digital Marketing organized by MIT Arts Commerce & Science College (Autonomous)- Maharashtra, Nishitha Degree College (Autonomous) - Nizamabad, Telangana, Seshadripuram College Tumakuru, Karnataka, P.B. Siddhartha College of Arts and Science -Andhra Pradesh in Collaboration with ExcelR Edtech Pvt. Ltd. from 27th May to 31st May 2024.


MIT Arts, Commerce & Science College

EXCELR

Certificate Of Participation

Awarded To

Boorgam Shiva Yadav

Participated in 5 Days International Faculty Development Program on

Digital Marketing

organized by MIT Arts Commerce & Science College (Autonomous)- Maharashtra, Nishitha Degree College (Autonomous) - Nizamabad, Telangana, Seshadripuram College Tumakuru, Karnataka P.B. Siddhartha College of Arts and Science -Andhra Pradesh in Collaboration with ExcelR Edtech Pvt. Ltd.

Date: 27th May to 31st May 2024


MIT Arts, Commerce & Science College

EXCELR

Certificate Of Participation

Awarded To

Etikala Aruna

Digital Marketing

organized by MIT Arts Commerce & Science College (Autonomous)- Maharashtra, Nishitha Degree College (Autonomous) - Nizamabad, Telangana, Seshadripuram College Tumakuru, Karnataka P.B. Siddhartha College of Arts and Science -Andhra Pradesh in Collaboration with ExcelR Edtech Pvt. Ltd.

Date: 27th May to 31st May 2024.

When Adversity Knocks

There once was a girl who was frustrated with life and asked her father for advice. He asked her to bring an egg, two tea leaves, and a potato. He then started boiling water in three separate vessels. He put the egg, potato, and tea leaves in one vessel each. After a few minutes, he asked her to peel the egg and potato and strain the leaves. He explained to his daughter that:

- *The soft egg was now hard.*
- *The hard potato was now soft.*
- *The tea had changed the water itself.*

When adversity is at our door, we can respond to it in different ways.

Moral: We decide how to respond to difficult situations. *Article By ,***A.Poojitha**
23R9A1208
IT II Year

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.

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DEPARTMENT EVENTS

Dr N Vadivelan, HOD published

A paper on ”Efficient data routing for agricultural landscapes: ensemble fuzzycrossover based golden jackal approach”

A paper on“Soil Health Analysis and Classification ofMicronutrients forCropSuggestionUsing Machine Learning”bearing Reg no 1204EU/JMCR/CR03
An article on “Deep learning models for early warning of extreme geohazards”.

J Rachana, Assistant Professor attended a FDP on “DEEP LEARNING FOR COMPUTER VISION AND ITS APLLICATIONS” held from 6th Feb24- - 11th Feb 24.



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This certificate is Proudly Presented to:

J Rachana

Assistant Professor of Tenglo Krishna Reddy engg college for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AI ML & IoT.

DR. N. SANDHYA

DR. C. D. NAIDU

A Mounika, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24 to 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

This is to Certify that Mr./Mrs. A.MOUNIKA

Designation ASSISTANT PROFESSOR Department ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE has participated in Five-Day Faculty Development

Program on "OUTCOME BASED TEACHING / LEARNING" Conducted from 28th May 2024 to 1st June 2024

Organized by Department of Computer Science and Engineering.

Convenor
Dr.Ch.V.Phani Krishna

Principal
Dr. K. Venkata Murali Mohan

A Mounika, Assistant Professor attended a FDP on “KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE ”held from 11th Jun 24- 15th Jun 24.


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

This is to Certify that Mr./Mrs. AKKALA MOUNIKA

Designation ASSISTANT PROFESSOR Department ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE has participated in Five-Day Faculty Development

Program on "KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE" Conducted from 11th June 2024

to 15th June 2024.Organized by Department of Computer Science and Engineering.

Convenor
Dr.Ch.V.Phani Krishna

Principal
Dr. K. Venkata Murali Mohan

A Mounika, Assistant Professor attended a FDP on “DATA VISUALISATION USING TABLEAU ”held from1st Apr 24- 5th Apr 2024.


MBU
EXCELR
Raising Excellence

Certificate Of Participation

Awarded To

Akkala Mounika

has participated in One Week Online National Faculty Development Program on
"Data Visualization Using Tableau"
conducted on 1st to 5th April, 2024
organized by Department of Computer Science and Engineering, Mohan Babu University, Tirupati, Andhra Pradesh & EXCELR EDTECH PVT. LTD.

Ram Tavva
CEO,
Excelr Edtech Pvt. Ltd.

Dr. B. M. Satish
Dean,
SoC & SoE

Dr. M. Sunil Kumar
HOD,
Computer Science Engineering

K Sravani, Assistant Professor attended a FDP on “DEEP LEARNING FOR COMPUTER VISION AND ITS APLLICATIONS” held from 6th Feb24- - 11th Feb 24


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This certificate is Proudly Presented to:

Kesani Sravani

Assistant Professor of Teegala Krishna reddy engineering college for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.

DR. N. SANDHYA
Convenor

DR. C. D. NAIDU
Principal

K Sravani, Assistant Professor attended a FDP on “DATA VISUALISATION USING TABLEAU ”held from 1st Apr 24- 5th Apr 24



.K Sravani, Assistant Professor attended a FDP on “ROBOTIC PROCESS AUTOMATION ASSOCIATE (UiPath)” held from 22nd Jan 24-27th Jan 24



M Shilpa, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24



Sangeeta Jawar, Assistant Professor attended a FDP on “OUTCOME BASED EACHING/LEARNING” held from 28th May 24- 1st Jun 24



S Mounika, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

This is to Certify that Mr./Mrs. S.MOUNIKA

Designation ASSISTANT PROFESSOR Department ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE has participated in Five-Day Faculty Development

Program on "OUTCOME BASED TEACHING / LEARNING" Conducted from 28th May 2024 to 1st June 2024.

Organized by Department of Computer Science and Engineering.

Convenor Dr.Ch.V.Phani Krishna

Principal Dr. K. Venkata Murali Mohan

S Mounika, Assistant Professor attended a FDP on “DEEP LEARNING FOR COMPUTER VISION AND ITS APLLICATIONS” held from 6th Feb 24- - 11th Feb 24


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This certificate is Proudly Presented to:

Sankurusbetti Mounika

Assistant Professor of Teegala Krishna Reddy engineering College for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 12th Feb 2024 organized by the department of CSE - AIML.

DR. N. SANDHYA

DR. C. D. NAIDU

K Navatha, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

This is to Certify that Mr./Mrs. K.NAVATA

Designation ASSISTANT PROFESSOR Department ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE has participated in Five-Day Faculty Development

Program on "OUTCOME BASED TEACHING / LEARNING" Conducted from 28th May 2024 to 1st June 2024.

Organized by Department of Computer Science and Engineering.

Convenor Dr.Ch.V.Phani Krishna

Principal Dr. K. Venkata Murali Mohan

K Navatha, Assistant Professor attended a FDP on “GENERATIVE AI MODEL AND APPLICATIONS OF MACHINE LEARNING” held from 21st Apr 24- 25th Apr 24


CERTIFICATE OF PARTICIPATION

This Certificate is Presented To

K.NAVATHA

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE for participating in One Week National Level Online Faculty Development Program on Generative AI Models and Applications of Machine Learning from 21-05-2024 to 25-05-2024 organized by the Department of Computer Science & Engineering at Shri Vishnu Engineering College for Women(A). He/she has demonstrated a commendable commitment to professional development by satisfactorily completing all required assessments and maintaining attendance throughout the program.

K Navatha, Assistant Professor attended a FDP on “DEEP LEARNING FOR COMPUTER VISION AND ITS APLLICATIONS” held from 6th Feb24- - 11th Feb 24



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This certificate is Proudly Presented to:

Kudumula Navatha

Assistant Professor of TEEGALA KRISHNA REDDY ENGINEERING COLLEGE for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.

DR. N. SANDHYA — DR. C. D. NAIDU

P Jyothi, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24



TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE OF PARTICIPATION

This is to Certify that Mr./Mrs. P JYOTHI

Designation ASSISTANT PROFESSOR Department ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE has participated in Five-Day Faculty Development Program on "OUTCOME BASED TEACHING / LEARNING" Conducted from 28th May 2024 to 1st June 2024.

Organized by Department of Computer Science and Engineering.

Convenor Dr.CH.V.Phani Krishna — Principal Dr. S. Vankata Mural Mohan

P Jyothi, Assistant Professor attended a FDP on “AI IMPLEMENTATION IN ELECTRIC VEHICLES” held from 22nd Apr24- 27th Apr 24



SANDIP UNIVERSITY

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

P JYOTHI

Teegala Krishna Reddy Engineering College

has participated and successfully completed

ONE WEEK NATIONAL FACULTY DEVELOPMENT PROGRAMME ON

AI IMPLEMENTATION IN ELECTRIC VEHICLES

organized by the Department of Electrical & Electronics Engineering,

School of Engineering & Technology (SOET), Sandip University, Nashik, Maharashtra

in collaboration with PANTECH E LEARNING conducted from 22nd April 2024 to 27th April 2024

Convener — HOD, SOET Co-Convener — Coordinator

P Jyothi, Assistant Professor attended a FDP on “DEEP LEARNING AND IoT DRIVEN SMART APLLICATIONS” held from 24th Jun 24- 29th Jun 24



MLRIT

CERTIFICATE OF PARTICIPATION

The following award is given to

Dr. Jyothi P

Assistant Professor, Teegala Krishna Reddy Engineering College

Who has participated in the One Week Faculty Development Programme on "Deep Learning and IOT Driven Smart Applications" organized by Department of Computer Science and Engineering , MLRIT from 24th - 29th June, 2024.

Dr Ajmeera Kiran Co-Ordinator — Dr Afham Baharam Convenor & HoD CSE — Dr K Srinivas Rao Principal, MLRIT

Ch Sai Priya, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

Ch Sai Priya, Assistant Professor attended a FDP on “KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE ”held from11th Jun 24- 15th Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

V Priyanka, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

V Priyanka, Assistant Professor attended a FDP on “KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE ”held from 11th Jun 24- 15th Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE
OF PARTICIPATION

V Priyanka, Assistant Professor attended a FDP on “DATA VISUALISATION USING TABLEAU ”held from 1stApr 24- 5th Apr 24


MBU

EXCELR

Certificate Of Participation

Awarded To

Vangipuram Priyanka

has participated in One Week Online National Faculty Development Program on "Data Visualization Using Tableau" conducted on 1st to 5th April, 2024 organized by Department of Computer Science and Engineering, Mohan Babu University, Tirupati, Andhra Pradesh & EXCELR EDTECH PVT. LTD.

Ram Tavva, CEO, Excelr Edtech Pvt. Ltd.

Dr. B. M. Satish, Dean, SoC & SoE

Dr. M. Sunil Kumar, HOD, Computer Science Engineering

N Naresh, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE

OF PARTICIPATION

This is to Certify that Mr./Mrs. N.NARESH

Designation ASSISTANT PROFESSOR Department ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

from TEEGALA KRISHNA REDDY ENGINEERING COLLEGE has participated in Five-Day Faculty Development Program on "OUTCOME BASED TEACHING / LEARNING" Conducted from 28th May 2024 to 1st June 2024.

Organized by Department of Computer Science and Engineering.

Principal

Dr. K. Venkata Murali Mohan

N Naresh, Assistant Professor attended a FDP on “DEEP LEARNING FOR COMPUTER VISION AND ITS APLLICATIONS” held from 6th Feb24- - 11th Feb 24


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This certificate is Proudly Presented to:

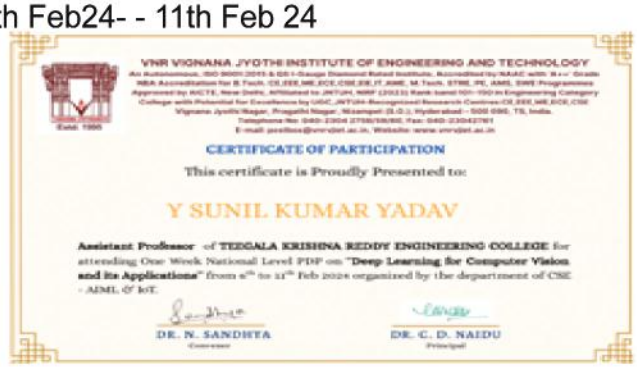
N Naresh

Assistant Professor of TKREC for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.

DR. N. SANDHYA, Convener

DR. C. D. NAIDU, Principal

Y Sunil Kumar Yadav,Assistant Professor attended a FDP on “DEEP LEARNING FOR COMPUTER VISION AND ITS APLLICATIONS” held from 6th Feb24- - 11th Feb 24


VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

CERTIFICATE OF PARTICIPATION

This certificate is Proudly Presented to:

Y SUNIL KUMAR YADAV

Assistant Professor of TEEGALA KRISHNA REDDY ENGINEERING COLLEGE for attending One Week National Level FDP on "Deep Learning for Computer Vision and its Applications" from 6th to 11th Feb 2024 organized by the department of CSE - AIML & IoT.

DR. N. SANDHYA, Convener

DR. C. D. NAIDU, Principal

Y Sunil kumar Yadav, Assistant Professor attended a FDP on “KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE ”held from 11th Jun 24- 15th Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE

OF PARTICIPATION

D Sudheshna, Assistant Professor attended a FDP on “OUTCOME BASED TEACHING/LEARNING” held from 28th May 24- 1st Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

CERTIFICATE

OF PARTICIPATION

D Sudheshna, Assistant Professor attended a FDP on “KNOWLEDGE BASED SYSTEM USING ARTIFICIAL INTELLIGENCE ”held from11th Jun 24- 15th Jun 24


TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

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

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 :T*o 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:

Following faculty successfully completed various NPTEL Courses and with NPTEL AICTE FDP certification in various reputed IITs and reputed organisations.

S. No	Name of the Faculty	Title of STTP-Training Activity-FDP	STTP-Training Activity-FDP	Organizing Institution
1.	Dr.E.Radhamma	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		Cloud Computing	FDP	Indian Institute of Technology Madras
		AI Enabled AR/VR in Communication & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
2.	Dr.D.Vemana Chary	Cloud Computing	FDP	Indian Institute of Technology,Madras
3.	Dr.K.Srinivas Reddy	Cloud Infrastructure(AWS)	FDP	Marri Laxman Reddy Institute of Technology and Management
		Machine Learning	Training Activity	Pantechle Learning

		ChatGPT and Generative AI	Training Program	EXCEL R
		Cyber Security	FDP	Chaitanya Bharathi Institute of Technology
		Deep learning	Training Activity	Pantech e Learning
		Master Data Science	Training Program	EXCELR Raising Excellence
4.	Dr.M.Renu Babu	Introduction to Industry 4.0 and Industrial Internet of Things	FDP	Indian Institute of Technology,Madras
		Computer Networks and Internet Protocol	FDP	Indian Institute of Technology,Madras
		Cloud Computing	FDP	Indian Institute of Technology,Madras
5.	Mrs.D.Rama Devi	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		Cloud Computing	FDP	Indian Institute of Technology,Madras
6.	Mr.N.Aravind	Cloud Computing	FDP	Indian Institute of Technology,Madras
7.	Mrs. V. Lavanya	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communication & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
8.	Mrs. B. Jamuna	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
9.	Mr.K.Kumara Swamy	Introduction to Internet of Things	FDP	Indian Institute of ,Madras
10.	Mrs.B.Nireesha	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
11.	Mrs.Y.Prathyusha	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras

12.	Mrs. B. Padmini	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
13.	Mrs. V. Amulya	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
14.	Mrs. G.Sirisha	Advancements in Data Science:Explori ng cutting-edge techniques &	FDP	Amity Institute of Information Technology,Rajasthan
		its applications		
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
15.	Mrs Sd. Reshma	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
16.	Mrs K. Shravani	Introduction to Internet of Things	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
17.	Mr M.V.V.Satya Chowdary	Introduction to Internet of Things	FDP	Indian Institute of ,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
		Cloud Computing	FDP	Indian Institute of Technology,Madras
18.	Mrs.V.Deepa	Computer Networks and Internet	FDP	Indian Institute of Technology,Madras

19.	Mrs.V.Sravani	Computer Networks and Internet Protocol	FDP	Indian Institute of Technology,Madras
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
		Emerging Trends in VLSI Device,Circuits & System Design-A Practical Approach	FDP	R.V.R & J.C College of Engineering
		System Design Through Verilog	FDP	NPTEL-AICTE IIT Madras
20.		Computer Networks and	FDP	Indian Institute of Technology,Madras
	Mrs.Mummadi Rajeshwari	Internet Protoco		
		AI Enabled AR/VR in Communicatio n & Signal Processing Application	FDP	Nalla Narsimha Reddy Group of Institutions
		Emerging Trends in VLSI Device,Circuits & System Design-A Practical Approach	FDP	R.V.R & J.C College of Engineering
		VLSI Design Flow:RTL to GDS	FDP	NPTEL-AICTE IIT Madras

UNDER NSS FACULTY COORDINATOR K.KUMARA SWAMY, THE FOLLOWING ACTIVITIES WERE HELD

1. On 11.01.2024,the NSS Unitorganized a Declamation conteston “My Bharat–Viksit Bharat @2047 in association with Nehru Yuva Kendra, Hyderabad .

2. On 11.01.2024, the NSS Unit organized an event on “ Road Safety” in association withNehru Yuva Kendra, Hyderabad.

3. On 12/1/2024, the NSS Unit in association with Nehru Yuva Kendra organized Youth Day celebrations which was inaugurated by Dr. T.Anitha Reddy, ZPTC CHAIRMAN , Ranga Reddy District.

4. On 10/2/2024, the NSS Unit Participated in the ANTI DRUG Summit at BITS PILANI , Hyderabad , which was organized by Rachakonda Police Commissionarate

5. On 07/3/2024, the NSS UNIT organized women empowerment week program as a part of Women's Day Celebrations in the college auditorium.

6. On 07/3/2024 the NSS UNIT of TKREC, visited the KANHA SHANTHI VANAM for Globally spiritual mahostav programme.

7. On18/03/2024, NSSProgrammeofficerparticipatedinthemeetingorganizedbythe State NSS CELL in Bashherbagh, Hyderabad.

8. On 19/03/2024, NSS Programme officer along with 50 NSSS Volunteers participated in the Neighbourhood youth parliamentorganized by NYK in association with JNTUH at JNTUH.
















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	AI and IOT based Automated Attendance System Using Facial Recognition	Khammampati R .Sreejyothi	12/01/2024	202441002586
2	Artificial intelligence driven predictive strategies for enhancing electric vehicle battery charging life cycle sustainability	Khammampati R .Sreejyothi	1/02/2024	202241006770

REVIEW HISTORY REPORT:

1. Khammampati R Sreejyothi has served as a reviewer in the two day INTERNATIONAL CONFERENCE ON SUSTAINABLE ADVANCED COMPUTING(ICSAC-2024) organized by the computer science, CHRIST (Deemed to be university, Bangalore, India, during 22-23 march 2024.

PAPER PUBLICATIONS:

Journal publications (Scopus and web of science)

1. Sagar, B. Vidya. "DETECTION OF FAULTS IN SYNCHRONOUS GENERATOR USING HYBRID ANN TECHNIQUE." YUGATO 76.1 (2024): 149-159.

PAPER PUBLICATIONS

Journal publications (Scopus and web of science)

Sagar, B. Vidya. "DETECTION OF FAULTS IN SYNCHRONOUS GENERATOR USING HYBRID ANN TECHNIQUE." YUGATO 76.1 (2024): 149-159.

Journal publications (Scopus):

Thiruveedula, Madhubabu & Asokan, K & Mahesh, Bhasutkar. (2024). Harmonics Reduction in Virtual Synchronous Generator Using Fuzzy Logic controller. International Journal of Engineering Technology and Management Sciences. 8. 10.46647/ijetms.2024.v08i01.020.

Thiruveedula, Madhubabu &Chenchireddy, Kalagotla. (2024). CHBMLI based DSTATCOM for power quality improvemt in a three-phase three-wire distribution system with PI controller. International Journal of Advances in Applied Sciences. 13. 325-332. 10.11591/ijaas.v13.i2.pp325-332.

Vidyasagar,B.,etal."Optimizing Torque Ripples In Switched Reluctance Motor Via ANN." Educational Administration: Theory and Practice 30.4 (2024): 2996-3004

Chenchireddy, Kalagotla, Khammampati R. Sreejyothi, Podishetti Ganesh, Gatla Uday Kiran, Chilukuri Shiva, and Banoth Nithish Kumar. "Fundamental frequency switching strategies of a seven level hybrid cascaded H-bridge multilevel inverter." International Journal of Applied 13, no. 2 (2024): 263-268.

CONFERENCES(Scopus)

Santhosh, K., Jyothi, K. R. S., Anusha, D., Rajkumar, B., Venu, E., & Jagadish, V. (2024). IGBT Based Four Quadrant Chopper Drive Closed Loop Control for DC. In E3S Web of Conferences (Vol. 472, p. 01009). EDP Sciences.

FDP/WORKSHOP/SEMINAR/WEBINAR: FACULTY

Mr.Madhubabu Thiruveedula Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on “EMERGING TREND IN ELECTRICAL ENGINEERING”, during 2nd Jan – 6th Jan 2024, organized by Department of Electrical Engineering, S.N.D Polytechnic Yoela

Mr.Madhubabu Thiruveedula Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on" NEW TRENDS IN POWER ELECTRONICS FOR MICROGRIDS AND ELECTRIC VEHICLES" 22nd to 27th Jan 2024 organized by Lendi Institute of Engineering & Technology, AP

Mr.Madhubabu Thiruveedula Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on Role of Bigdata and Cloud in the Era of Transformation" during 29th Jan to 03rd feb 2024 Gates institute of Technology, AP

Dr.N.Rajasekhar varma Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on “EMERGING TREND IN ELECTRICAL ENGINEERING”, during 2nd Jan – 6th Jan 2024, organized by Department of Electrical Engineering, S.N.D Polytechnic Yoela

Mr. Dr.B Vidya Sagar Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on “EMERGING TREND IN ELECTRICAL ENGINEERING”, during 2nd Jan – 6th Jan 2024, organized by Department of Electrical Engineering, S.N.D Polytechnic Yoela

Mr. Dr.B Vidya Sagar Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on “Quality Education through OBE” 22nd to 27th Jan 2024 organized by Chaithanya Bharathi Institute of Technology, Hyderabad

Mr. Dr.B Vidya Sagar participated inTwo Day Workshop on "Real time Simulations of Electrical Systems" 27th feb-2024 and 28th feb 2024 organized by Jntuh,University college of Engineering.

Mr. K Santhosh has attened NPTEL FDP on "Introduction to Internet of Things" JAN-APRIL-2024.

Mr. K Santhosh,Mr.Kalagotlachenchi Reddy, Khammampati R Sreejyothi Mr.Nagasridhar ,Mrs. S Lavanya, Mr Ch Sai Deepak,Mr Satheesh Kumar,Mrs. CH Prasanna & Mr.Ramesh babu N participated in a One-week Online Faculty Development Programme (FDP) on “EMERGING TREND IN ELECTRICAL ENGINEERING”, during 2nd Jan– 6th Jan 2024, organized by Department of Electrical Engineering, S.N.D Polytechnic Yoela

Khammampati R Sreejyothi,Mr. Dhasharatha G &Mr Rosaiah Mudigondla participated in Three day FDP On” Amazon web Services” during 08th to 10th Jan 2024 organized by Motoshri Institute of Technology yeola

Mr.Ramesh babu N Assistant Professor participated in a One Week FDP on" Role of Bigdata and Cloud in the Era of Transformation" during 29th jan 2024 to 03rd feb 2024 Gates institute of Technology, AP

Mr Rosaiah Mudigondla Assistant Professor participated in a One-week Online Faculty Development Programme (FDP) on" NEW TRENDS IN POWER ELECTRONICS FOR MICROGRIDS AND ELECTRIC VEHICLES" 22nd to 27th Jan 2024 organized by Lendi Institute of Engineering & Technology,AP

Mr Rosaiah Mudigondla Assistant Professor participated in a One Week FDP on" Role of Bigdata and Cloud in the Era of Transformation" during 29th Jan 2024 to 03rd Feb 2024 at Gates Institute of Technology,AP

Mrs. S Lavanya Assistant Professor participated in a One-week National level Online Faculty Development Programme (FDP) on “Aiming 3D’s in Electrical Engineering”, during 11thMarch –15thMarch 2024, organized by Department of Electrical and Electronics Engineering, Mahatma Gandhi Institute of Technology,Gandipet,Hyderabad.

Mrs. S Lavanya Assistant Professor participated in a five day online FDP on" Emerging trends and challenges in renewable energy systems"during 5th Feb 2024 to 9th feb 2024 at Gates Institute of Technology,AP

Mrs. S Lavanyahas attened NPTEL FDP on "Introduction to Industry 4.0 and Industrial Internet of Things" JAN-APRIL-2024

Mr.Madhubabu Thiruveedula, Dr.N.Rajasekhar Varma, Mr. Dr.B Vidya Sagar, Mr. K Santhosh, Mrs. A Manjula,Mrs. Khammampati R Sreejyothi, Mr.Nagasridhar, Mr.Ramesh babu, Mr. B Ramesh,Mr. Dhasharatha G,Mr Rosaiah Mudigondla, Mrs. S Lavanya, Mr Ch Sai Deepak, Mr Satheesh Kumar& Mrs. CH Prasanna participated in a Five Day Workshop on "MATLAB Tools for power electronics applications during 18th to 22nd June 2024 organized by Department of Electrical Engineering, TKREC.

STUDENTS ACHIVEMENTS:

M. RAM VIKAS, IV Year B.Tech student won FIRST prize in PAPER PRESENTATION organized by the EEE department of Nalla Mallareddy Engineering College on 20.03.2024

M. RAM VIKAS, IV Year B.Tech student won SECOND prize in POSTER PRESENTATION organized by the EEE department of Nalla Mallareddy Engineering College on 20.03.2024.

M. RAM VIKAS, IV Year B.Tech student won SECOND prize in PAPER PRESENTATION in JIJNASA-2024 held on 1st and 2nd April 2024 at Bhoj Reddy Engineering College for Women.

IV year B.Tech, EEE students won Second Prize of 25000/- rupees in Project Titled "Wireless charging station for an Electric Vehicle" at (ANVESHANA 2024), Khairatabad.





V. MANOHAR, IV Year B.Tech student won FIRST prize inPROJECT EXPO of BHASWARA-2024 held at GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY on 21st and 22nd March 2024.

V. MANOHAR, IV Year B.Tech student won SECOND prize in POSTER PRESENTATION of BHASWARA-2024 held at GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY on 21st and 22nd March 2024.







EEE DEPARTMENT EVENTS

Department conducted a Five Day Workshop on “MATLAB Tools for power electronics applications ‘to III Year EEE students from 18th to 22nd June 2024. Resource Person was Mr.J.GIREESH GUPTA,Research Engineer & Technical Manager.









An Industry visit was conducted in collaboration with “Surya Tech Solutions” on 28th June 2024 for III Year EEE students.







An Industry visit was conducted in collaboration with CSIR-NGRI on 04th July 2024 for II year EEE Students

NPTEL CERTIFICATES:

Mr T.Madhubabu got NPTEL certificate in Data Mining
Mr T.Madhubabu got NPTEL certificate in Machine Learning
Mr T.Madhubabu got NPTEL certificate in Computer Networks and Internet protocol
Dr.B Vidyasagar got NPTEL certificate in Introduction to Internet of Things
Dr.B Vidyasagar got NPTEL certificate in Cloud Computing

Mr M Rosaiah got NPTEL certificate in Computer Networks and Internet protocol

Mrs.A.Manjula got NPTEL certificate in Introduction to Database Systems

Mrs.A.Manjula got NPTEL certificate in Introduction to Industry 4.0 and Industrial Internet of Things

Mr K Santhosh got NPTEL certificate in Introduction to Internet of Things

Mr K Santhosh got NPTEL certificate in Computer Networks and Internet protocol

Mr.N Ramesh Babu got NPTEL certificate in Cloud Computing

Mr.N Ramesh Babu got NPTEL certificate in Introduction to Internet of Things

Mr Dhasharatha Ggot NPTEL certificate in Cloud Computing

Mr Dhasharatha G got NPTEL certificate in Industry 4.0 and Industrial Internet of Things

Mr Dhasharatha G got NPTEL certificate in Introduction to Database Systems

S Lavanya got NPTEL certificate in Introduction to Industry 4.0 and Industrial Internet of Things

Mr.CH Sai Deepak got NPTEL certificate in Introduction to Industry 4.0 and Industrial Internet of Things

Mr.CH Sai Deepak got NPTEL certificate in Data Analytics With Python

Mrs.CH.Prasanna got NPTEL certificate in Introduction to Industry 4.0 and Industrial Internet of Things

Mrs.CH.Prasanna got NPTEL certificate in Data Analytics With Python

Mr.G.Satheesh Kumar got NPTEL certificate in Introduction to Industry 4.0 and Industrial Internet of Things

Mr.G.Satheesh Kumar got NPTEL certificate in Data Analytics With Python















FACULTY ACHIEVEMENTS:

Mr.Madhubabu Thiruveedula Assistant Professor got recognized as NPTEL BELIEVER in Jan-April 2024
Mr.Madhubabu Thiruveedula Assistant Professor being recognized as NPTEL ENTHUSIAST in Jan-April 2024
Mr.M.Rosaiah Assistant Professor being recognized as NPTEL DISCIPLINE STAR in Jan-April 2024







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.*

Faculty Achievements

Mr. Mohammed Muneeruddin Khan received certificate for completing technical training on “Design of Steel Structures with Latest Indian Codes”

Mr. T. Pavan Kumar received BEST FACULTY award from college, on 4th May 2024.

Student Achievements

Mr.B.Raju 3 rd year student received scholarship in the form of free coaching worth of 60,000/- from CANTRR IQ-2024 TEST conducted by CANTER CADD ON 14TH MARCH 2024.

Mr.R. Prem Kumar 3 rd year student received cash prize in poster presentation fromSHILP-2024 “Civil Engineering Technical Fest” conducted by ACE ENGINEERING COLLEGE on 15TH APRIL 2024

Mrs. Y. Anusha received Class Topper award from college, on 4TH May 2024.

Placement Details

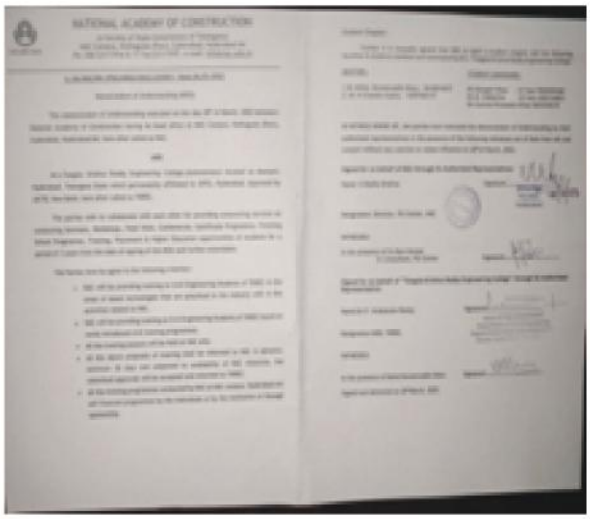
Ten students Arjun Reddy, Williams, D .Ashwitha, D.Pooja Reddy, M.Mahindranath,K.Dheeraj Kumar, P.Sachin, U.Soudarya, V.Ajay&Y.Anusha got placed in “Savaties” with package of 3 LPA.

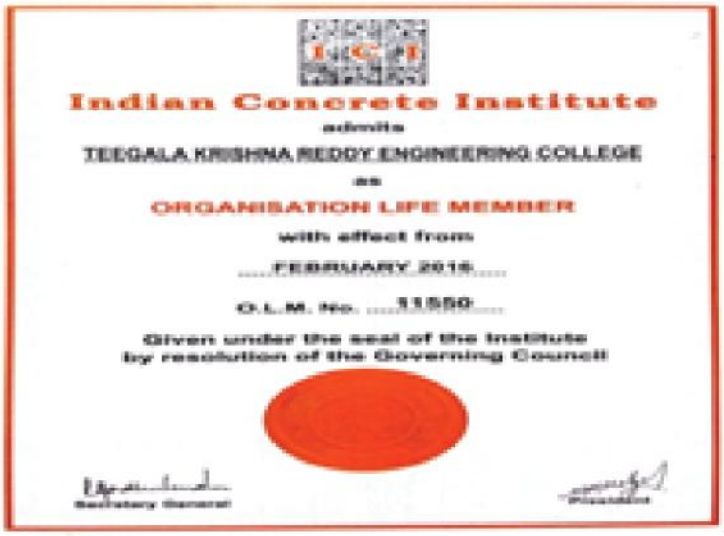
Three students, D .Ashwitha, D.Pooja Reddy &Y.Anusha got placed in “Accenture” with package of 3 LPA.

Three students, P Shivaleela, S.Vamshi Reddy & V Ravi Teja got placed in “Q SPIDER” with package of 3 LPA.

DEPARTMENT MOUs:

S.NO	MOUs
1	NationalAcademyofConstruction(NAC)
2	IndianConcreteInstitute(ICI)
3	EngineersWithoutBoarders(EWB)





The Needle Tree

There were two brothers; the older one was always mean to the younger one. The older one would chop firewood in the forest and sell it in the market. One day, he stumbled across a magical tree. The tree begged him not to cut him down and promised him golden apples in exchange. The older brother felt disappointed with the number of apples he received. He decided to cut down the tree anyway, but the tree showered him with hundreds of needles. The boy was left lying on the forest ground in pain. His younger brother finally found him and carefully took out every needle. The older brother finally apologised for treating his brother badly. The magical tree saw this exchange. It decided to give them more golden apples.

Moral: Kindness will always be rewarded.

Article By G.Veenu
CE , III 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*)

FACULTY ACHIEVEMENTS



Next Nanotechnology 5 (2024) 100030

Contents lists available at ScienceDirect

Next Nanotechnology

journal homepage: www.sciencedirect.com/journal/next-nanotechnology

Research article

Inherent and induced defects in mixed-phase CuO nanoparticles

Nannuri Usharani [a], Ramagiri Praveen Kumar [b], Arnab Sankar Bhattacharyya [c,d,*], Amireddy Raju [a,**]

[a] Department of Physics & Electronics, Chaitanya - Deemed to be University, Hanamkonda, Telangana 506001, India
[b] Department of Computer Science and Engineering, Nalla Malla Reddy Engineering College Divyanagar, Medchal, Hyderabad 500088, India
[c] Department of Metallurgical and Materials Engineering, Central University of Jharkhand, Brambe, Ranchi 835205, India
[d] Centre of Excellence in Green and Efficient Energy Technology (CoE GEET) Central University of Jharkhand, Brambe, Ranchi 835205, India

ARTICLE INFO

Keywords:
CuO
Metal doping
Lattice strain
Defect energy states
Band gap

ABSTRACT

Copper (Cupric) oxide is a readily synthesized, non-toxic metal oxide with a wide range of uses, including the treatment of water, the manufacture of electronic devices, solar cells, cathodes for lithium-ion primary batteries, gas sensors, electrochromic devices, supercapacitors, and field effect transistors. The effects of Zn doping in CuO in three different concentrations (weights %) were investigated. The band gap and carrier concentration were altered due to the formation of defect energy states, lattice stresses, and the formation of ZnO, and Cu2O in addition to CuO. Temperature increases from room temperature resulted in the production of metal oxides with preferred crystal growth in specific orientations. An increase in temperature, from 300 °C to 500 °C, generated residual strain release and atomic diffusions, resulting in grain growth and a reduction in the band gap. The changes in UV and PL spectra predicted the growth kinetics involved

1. Introduction

Cupric oxide (CuO) is a p-type semiconductor with a 1.2 eV band gap with photoconductive and photothermal uses. It is a low-cost, easy-to-manufacture, non-toxic substance that is also utilized in wastewater treatment and antibacterial activity [1–3]. The low cost and ease of manufacture of CuO-based catalysts have made them an attractive option for ammonia-selective catalytic reduction of nitrogen oxides (NOx). [4]. They have even been built on clay nanosheets to improve catalytic performance and solve challenges such as porosity control and low adsorption efficiency [5].

There has been doping with various transition and rare earth metals due to its tendency for forming defect states which in most cases have led to useful alterations in its properties [6]. Mn and Ni doping, for instance, increase the optical band gap in CuO. The advantage with Zn doping however lies in the similarity of radius of Zn and Cu ions leading to effective substitution. Zn doping has resulted in a UV shift and has caused crystallization in a desired direction [7–10]. Due to the similarity of ionic radius other similar combinations of doping have come into effect. The co-doping of Cu and Ni on ZnO for instance resulted in lattice strain and a loss in crystallinity due to *Zener pinning*. A higher Al concentration in ZnO was also found to cause a reverse strain effect [11–14]. An enhanced luminescence and photocatalytic activity of Ceria-doped ZnO under UV illumination has also been reported recently [15].

At lower concentrations, the rGO-induced nonradiative phononic modes in the optical transition process were seen, which facilitated the crystallization process in ZnO in a preferred crystallographic orientation. Conversely, it has been demonstrated that raising the temperature is a useful strategy for controlling the effects of dopants, which include higher crystallinity and more multiphoton bands with a smaller band gap. [16]. The growth conditions have also been found to be related to the nature of oxide formed as observed in the sputtering process where CuO and Cu_2O can be made to co-exist. [17] In this case, however, at third phase viz ZnO is also most probable. The co-existence of multiple components involving the Z scheme mechanism for charge transfer between ZnO and CuO; Cu_2O and formation of heterogenous nanocomposite structure generating trap states delay the PL recombination and result in photoactivity in visible range [18–20]. Although a good amount of work has been done in this area, there still seems to be ambiguity due to the multifaceted defects arising from the synthesis. The objective therefore was to correlate the changes occurring in band gap

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** Corresponding author.
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2949-8295/© 2023 The Author(s). Published by Elsevier Ltd. This is an open access article under the CC BY license (http://creativecommons.org/licenses/by/4.0/).

Research paper by Ms.N.Usharani



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

H VINDHYA

for successfully completing the course

Bioinorganic Chemistry

with a consolidated score of 80 %

Online Assignments	21.67/25	Proctored Exam	58.5/75

Total number of candidates certified in this course: 429

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Feb 2024
(4 week course)

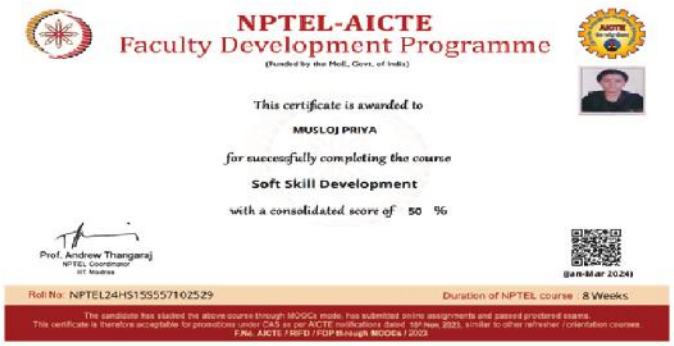
Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL24CY28S3571025B8 To verify the certificate No. of credits recommended: 1 or 2

Ms.H.Vindhya successfully completed the NPTEL Course on Bioinorganic Chemistry


NPTEL-AICTE
Faculty Development Programme
(Funded by the MoE, Govt. of India)

This certificate is awarded to

MUSLOJ PRIYA

for successfully completing the course

Soft Skill Development

with a consolidated score of 50 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Mar 2024)

Roll No: NPTEL24HS15S5571102529

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notification dated 18th Nov, 2021, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2021

Ms.M.Priya successfully completed the NPTEL Course on Soft Skill Development


MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle-517325, Annamayya Dist., Andhra Pradesh

Department of English and Foreign Languages

Certificate of Participation

This is to certify that Dr. V. Madhavi, Associate Professor,

Teegala Krishna Reddy Engineering College has participated in the

Five-Day Faculty Development Programme on "Futuristic Trends of Language Learning: Impact of AI on 21st Century Learners" organized by the Department of English and Foreign Languages, Madanapalle Institute of Technology and Science, Andhra Pradesh during 22.01.2024 - 26.01.2024.

Dr. K. Shaheen
Coordinator

Dr. P. Athahar
HOD

Dr. C. Yuvaraj
Principal

Dr.V.Madhavi participated in FDP on Futuristic Trends of Language Learning


ACE Engineering College
an AUTONOMOUS Institution
Affiliated to Jawaharlal Nehru Technological University, Hyderabad
Ghatkesar, Hyderabad-Telangana State
Website: www.aceec.ac.in

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. Dr. V. Madhavi , Associate Professor of Teegala Krishna Reddy Engineering College, Hyderabad has participated in One Day National Level Faculty Development Programme on RESEARCH FUNDING OPPORTUNITIES, organized by Research and Development Cell, ACE Engineering College, Hyderabad held on 14.02.2024.

Dr.M.Prasad
Chief Coordinator R&DC

Dr. B.L. Raju
Principal and Chairman R&DC

Mrs.M.Padmavathi
Joint Secretary
Powered by : ACE Engineering Academy

Dr.V.Madhavi participated in National level FDP on Research Funding Opportunities.


Advances

ORIGINAL PAPER

Coagulation and crystallinity in Sn (II, IV) oxide as an electron transfer layer

N. Usharani[1] · B. P. Kumar[2] · A. S. Bhattacharyya[3,4] · A. Raju[5]

Abstract

Introduction

Materials and methods

Research paper by Ms.N.Usharani.


VASAVI COLLEGE OF ENGINEERING
(Autonomous)
(Accredited by NAAC with A++ Grade)
Sponsored by: Vasavi Academy of Education
(Affiliated to Osmania University & Approved by A.I.C.T.E.)
8-3-81, IBRAHIMBAGH, HYDERABAD - 500031
www.cae.ac.in

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Mr. L NAGARAJU, Teegala Krishna Reddy Engineering College, Hyderabad

for participating in 5-Day Faculty Development Programme on "Recent Advances in Applied Mathematics" (RAAM-2024) through Virtual Mode held from 24th June, 2024 – 28th June, 2024 by the Department of Mathematics at Vasavi College of Engineering(Autonomous), Ibrahimbagh, Hyderabad.

Dr.T.Sudhakar Rao
Convenor

Dr.S.V.Ramana
Principal

Mr.L.Nagaraju participated in FDP on Recent Advances in Applied Mathematics.



GOKUL GLOBAL UNIVERSITY

CERTIFICATE
OF PARTICIPATION

DR. V. MADHAVI

From HUMANITIES & SCIENCES, TKR ENGINEERING COLLEGE, HYDERABAD

Participated in the One week Online National Level Faculty Development Program on
" LITERARY LANDSCAPE OF INDIA'S NORTHEAST WRITINGS "
which was organized by Career Development Cell (CDC), Gokul Global University, Siddhpur, Gujarat from 4 to 10 March 2024.

MR. MANOJ PATEL
Co-ordinator,
Director, CDC

PROF. (DR.) HIMMATSINH RAJPUT
Registrar,
GGU, Siddhpur

Dr.V.Madhavi participated in National level FDP on Literary Landscape Of India's Northeast Writings



CENTRAL UNIVERSITY OF KASHMIR

CERTIFICATE

This certificate is awarded to

Mrs.G.Padmavathi

Associate Professor , Teegala Krishna Reddy Engineering College, for attending the One-Day National Level Workshop on National Education Policy (NEP) 2020: A Workshop for Educators on 15 March, 2024 Organised by the Department of English, Central University of Kashmir, Ganderbal, J&K.

Certificate ID: CUKmr2403Eng400

Prof. Sandhya Tiwari
Convener
Head, Department of English,
Dean, School of Languages, CUKmr

Mrs. G.Padmavathi participated in National level workshop on National Education Policy (NEP) 2020.



GOKUL GLOBAL UNIVERSITY

CERTIFICATE
OF PARTICIPATION

PRIYA MUSLOJ

From TKR ENGINEERING COLLEGE

Participated in the One week Online National Level Faculty Development Program on
" LITERARY LANDSCAPE OF INDIA'S NORTHEAST WRITINGS "
which was organized by Career Development Cell (CDC), Gokul Global University, Siddhpur, Gujarat from 4 to 10 March 2024.

MR. MANOJ PATEL
Co-ordinator,
Director, CDC

PROF. (DR.) HIMMATSINH RAJPUT
Registrar,
GGU, Siddhpur

Ms.M.Priya participated in National level FDP on Literary Landscape of India's Northeast Writings



Biomass Waste Turning into Low-Cost Microporous Carbon Adsorbents for Post-Combustion CO_2 Capture

S. Swapna*, A. Ramesh*, A. Venugopal**, D. Mallesh*, G. Vinod*, K. Gangareddy*, V. Shashikala*, C. Prathap*, and M. Radhika***

Research paper by Mr. G. Vinod



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9-5-81, IBRAHIMBAGH, HYDERABAD - 500031.

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Dr. PRASANTI THAORI, Teegala Krishna Reddy Engineering College, Hyderabad

for participating in 5-Day Faculty Development Programme on "Recent Advances in Applied Mathematics" (RAAM-2024) through Virtual Mode held from 24th June, 2024 – 28th June, 2024 by the Department of Mathematics at Vasavi College of Engineering(Autonomous), Ibrahimbagh, Hyderabad.

Dr.T.Sudhakar Rao
Convenor

Dr.S.V.Ramana
Principal

Dr.T.Prashanti participated in FDP on Recent Advances in Applied Mathematics.



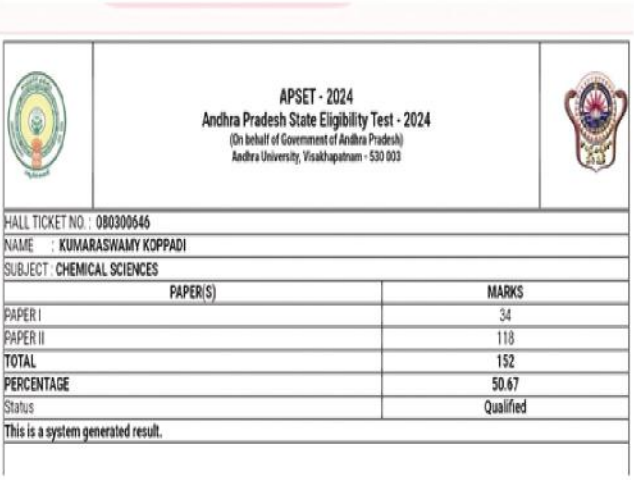
Paper presentation by Mr.N.Phanikumar



Paper presentation by Dr.V.J.E.Caroline



Ms.K.Siva Mahalaxmi participated in FDP on Current Trends in Materials and Their applications



APSET - 2024
Andhra Pradesh State Eligibility Test - 2024
(On behalf of Government of Andhra Pradesh)
Andhra University, Visakhapatnam - 530 003

HALL TICKET NO. : 080300646
NAME : KUMARASWAMY KOPPADI
SUBJECT : CHEMICAL SCIENCES

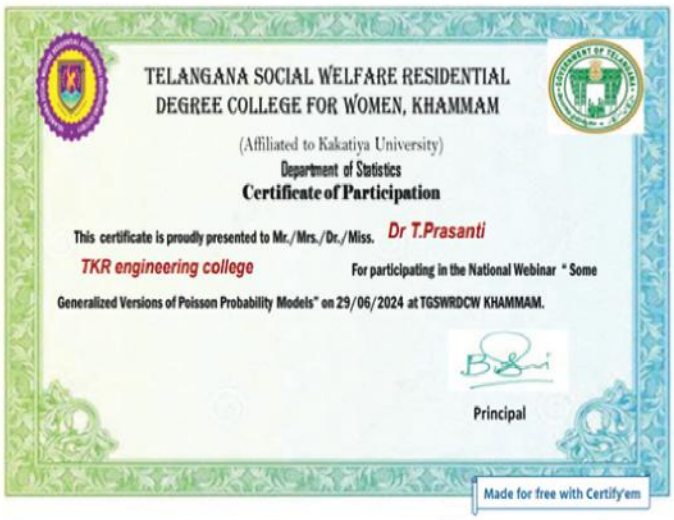
PAPER(S)	MARKS
PAPER I	34
PAPER II	118
TOTAL	152
PERCENTAGE	50.67
Status	Qualified

This is a system generated result.

Mr.K. Kumaraswamy got qualified in APSET-2024



Mrs G.Padmavathi participated in workshop on Quantitative Research Using SPSS and AMOS



TELANGANA SOCIAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN, KHAMMAM

(Affiliated to Kakatiya University)

Department of Statistics

Certificate of Participation

This certificate is proudly presented to Mr./Mrs./Dr./Miss. Dr T.Prasanti

TKR engineering college For participating in the National Webinar " Some Generalized Versions of Poisson Probability Models" on 29/06/2024 at TGSWRDCW KHAMMAM.

Principal

Made for free with Certify'em

Dr.T.Prashanti participated inNational Webinar on Some Generalized Versions of Poisson Probability Models.



VIGNAN'S

CERTIFICATE OF PARTICIPATION

SHODHANA SANGLAP 2024

A Colloquium for Language and Literature

This is to certify that Narahari Phanikumar of Teegala Krishna Reddy Engineering College has attended a lecture on "Artificial Intelligence and the Future of English Language Teaching" delivered by Dr. Vijayababu Pallakuri on 15-06-2024 organised Department of English and Other Indian and Foreign Languages (EOFL), School of Applied Sciences and Humanities, VFSTR Deemed to be University, Vadlamudi, AP-522213.

We would like to express our sincere appreciation for your dedicated efforts and enthusiastic participation.

Department of ENGLISH & OTHER INDIAN AND FOREIGN LANGUAGES

Dr. Shah Al Mamun Sarkar, BoS, EOFL & Colloquium Convener

Prof. A. Sharada, Joint Dean, AFD & Colloquium Chair

Prof. G. Mohana Charyulu, HoD, EOFL & Colloquium President

Prof. N. Srinivasu, Dean, SAS&H

Mr.N.Phanikumar participated in A Colloquium for language and Literature.



VASAVI COLLEGE OF ENGINEERING

(Autonomous)

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Sponsored by: Vasavi Academy of Education

(Affiliated to Osmania University & Approved by A.I.C.T.E.)

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

Mr. B. SATYAIAH, TKR ENGINEERING COLLEGE, Ranga Reddy

for participating in 5-Day Faculty Development Programme on "Recent Advances in Applied Mathematics" (RAAM-2024) through Virtual Mode held from 24th June, 2024 – 28th June, 2024 by the Department of Mathematics at Vasavi College of Engineering(Autonomous), Ibrahimbagh, Hyderabad.

Dr.T.Sudhakar Rao, Convenor

Dr.S.V.Ramana, Principal

CamScanner

Mr.B.Satyaiah participated in FDP on Recent Advances in Applied Mathematics.



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On the dielectric properties of nano-phased lanthanum doped nickel ferrites

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La-doped Ni-based ferrites ($NiFe_2O_4$) exhibit a single-phased cubic spinel structure. ε' exhibits a quick decline in the low-frequency regime (upto 100 KHz) and a sluggish reduction in the high-frequency range (> 100 KHz). Tanδ values are found to be of the order of 10^{-3}. Variation in Tanδ and ac values in D relates to conductivity. Cole-Cole plots portray a single semicircle. This points towards the contribution of resistance induced by grain boundaries. The variations in resistance, capacitance, and relaxation time obtained from Z' vs. Z'' (Cole Cole graph) plots are due to the hopping mechanism.

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Keywords: Dielectric dispersion, Ac conductivity, Cole-cole plots, Spinel ferrites

1. Introduction

The doped nano ferrites processing and their special properties have recently been accelerated its momentum owing to several reports on improved dielectric, magnetic, and antimicrobial properties with low losses. Nano ferrites are extensively used and created great interest because of their wide range of structural attributes, magnetic as well as electric properties are accountable for many applications [1]. Primarily the magnetic and electric properties rely on material composition, the procedure of synthesis, and the level of concentration of dopants [2]. Many devices use nano-phased spinel ferrites because of their elevated saturation magnetization, minimal dielectric losses, increased curie temperature, improved permeability, and chemical stability. The exceptionally high dielectric constants observed in ferrites prove valuable in designing microwave devices such as isolators, switches, etc [3]. Because of the low eddy current losses and increased permeability, spinel nano-phased ferrites are being widely employed in magnetic recording applications. Its diverse range of applications has created considerable interest across various technological domains including ferro-fluids, electronic devices, high-density information storage, magnetic drug delivery, microwave devices, as well as biomedical and antimicrobial applications [4].

Several studies have been carried out on the electrical field response of nano-phased ferrites. Sridhar et. al. have reported low dielectric loss factor and high ac resistivity with material composition $(Mn_{0.5-x}Zn_{0.5-x}2Sb_x)Fe_2O_4$ (for x=0, 0.05, 0.1, 0.15, 0.2, 0.25, 0.3) determined by changes in the configuration of the metal cation and oxide anion bonds and related changes in conductivity pathway.

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Research paper by Ms.K.S.Mahalaxmi.



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Published a Patent, titled "Nanotechnology-Enabled Energy Harvesting for Powering IoT Devices"other details are Application No. 202441021461 Patent Office Journal No: 13/2024, Dated: 29/3/2024

Published a Patent ,titled "Energy management system for residential consumers "and the other details are Application No. 202441027813 Dated of published: 12/04/2024

Accomplished BEST HOD Award On 04-04-2024 it was conducted by Association for quality education and Research (AQER),Hyderabad

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Reviewed three research articles in International Journal of Research and Scientific Innovation (IJRSI) (ISSN 2321-2705)

Presented a paper titled "Intermolecular interactions in binary liquid mixtures "in UGC Sponsored national seminar on Biomedical Instrumentation on 18th March 2024 was organized by Department of E&IT, Acharya Nagarjuna University, Guntur, A.P

Presented a paper titled "Molecular interactions in binary liquid mixtures"in an International Conference conducted by TKREC and published in Disruptive technologies in computing and communication systems, Book chapter 52 is published by CRC Press Taylor & Francis, London, New York pg:313-321,2024 ISBN 978-1-032-66547-4
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Presented a paper titled "Study of molecular interactions in liquid mixtures" in a National conferenceonAdvances in Energy Materials andDevices (AEMD)3rd & 4th April, 2024 Organized byDepartment of Physics, Government City College (A)Nayapul, Hyderabad

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Take pleasure in juicy mango, oh God! synthetic chemicals.
Enjoy watery watermelon, oh God! colour dye injections.
Relish the bite of guava, oh God! calcium carbide.

Craving for Biryani, oh God! It stinks.
Take delight in healthy ghee, oh God! ill health dalda.
Spicy red chilli, oh God! saw dust.
Take healthy vegetables, oh God! Harmful Pesticides.

What has to be eaten to survive?.
No food left without adulteration in strife.
No hope of good health to strive.
We are in the Technological world, but no hope of clean food to live.
Nature's healthy food got corrupted.
Let's hope to get in the near future.
The food which is unadulterated.

--- Article by DR.V.J.E. Caroline

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