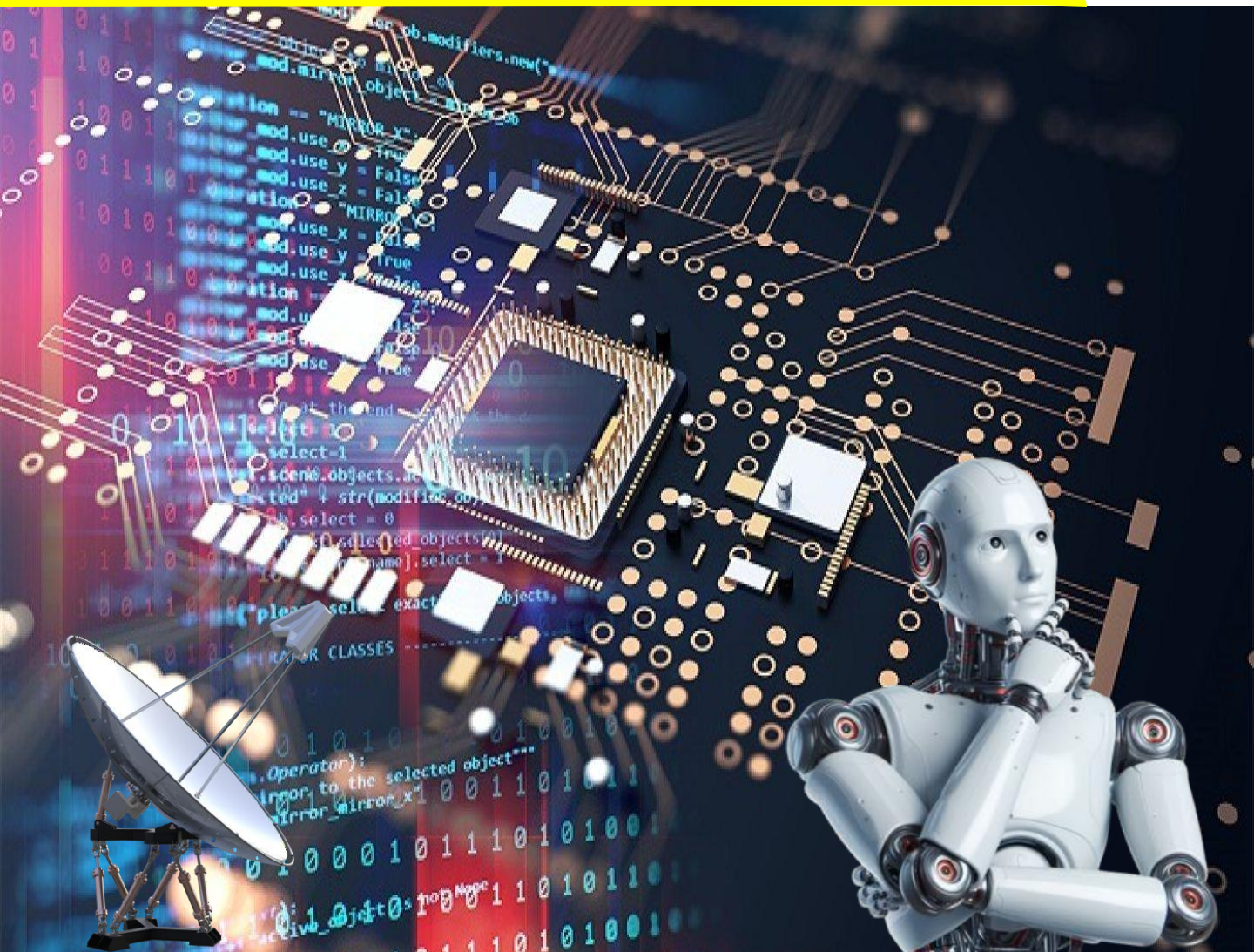**EMPOWERING THE FUTURE THROUGH ELECTRONICS**

ELECTROPULSE

NEWS LETTER

MAY, 2023-24

Department of Electronics & Communication Engineering

MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

Autonomous Institution – UGC, Govt. of India

Accredited by NAAC with 'A+' Grade

Programmes Accredited by NBA

National Ranking by NIRF Innovation - Rank band(151-300), MHRD, Govt. of India

Maisammaguda, Dhulapally, Secunderabad – 500 010, Telangana

PREFACE

MRECW has achieved remarkable progress in various domains, reaching significant milestones within a short span of time. It is truly gratifying to learn that the students and faculty of the ECE Department are launching Volume 1 of the Newsletter for the Academic Year 2023-2024. This Newsletter aims to showcase the literary talents of students and teachers while fostering leadership skills among them. I am confident that this edition will inspire staff, students, and all those with a passion for education and literary pursuits.

Ch. Malla Reddy
Founder Chairman, MRGI
Hon'ble Minister, Govt. of Telangana State

I extend my heartfelt congratulations to the Department of ECE, MRECW, for publishing the esteemed half-yearly departmental Newsletter for the Academic Year 2023-24. I am confident that this Newsletter will serve as an excellent platform for students and faculty to enhance their technical expertise, nurture their literary talents, and contribute to the holistic growth of the students. I believe this literary effort will inspire a love for reading and deepen the students' sense of connection to the institution. My sincere appreciation goes to the editorial board for their dedication in managing this challenging task. Best wishes for the continued success of this initiative.

Dr. Y. Madhavee Latha
Principal

It is a matter of immense pride and satisfaction for the Department of ECE, MRECW, to present the half-yearly edition of the Newsletter for the Academic Year 2023-24. I am delighted to observe the overwhelming response it has received. The diverse range of articles is a testament to the creative potential and originality of our students and faculty. Each contribution stands out as engaging, thought-provoking, and captivating. I extend my heartfelt appreciation to all contributors for their insightful ideas and unique perspectives.

Dr . K. Sudhakar
HOD

Editorial Board members

◆ Dr. Y. Madhavee Latha,principal, chairperson

◆ Dr.Sudhakar K,HOD

◆ Dr.T.S.Gouse Basha professor

◆ Ms.K.Sumalatha,Assistant professor

DEPARTMENT VISION : Our vision is to develop the department in to a full fledged Centre of learning in various fields of Electronics and Communication Engineering keeping in view the latest developments and to invoke enthusiasm among the Students to continually renew their education in rapidly developing technological scenario.

DEPARTMENT MISION : Our mission is to inculcate a spirit of scientific temper and analytical thinking & train the students in contemporary technological trends in electronics and communication to meet the challenging needs of the industry by providing versatile sound knowledge in the field of engineering and technology

PROGRAMME SPECIFIC OUTCOMES- PSO's:

PSO1: The ability to analyze, design and implement application-specific electronic systems for complex engineering problems for analog, digital domain, communications, and signal processing applications by applying the knowledge of basic sciences, engineering mathematics, and engineering fundamentals.

PSO2 : The ability to adapt for rapid changes in tools and technology with an understanding of societal and ecological issues relevant to professional engineering practice through life-long learning.

PSO3: Excellent adaptability to function in a multi-disciplinary work environment, good interpersonal skills as a leader in a team in appreciation of professional ethics and societal responsibilities.

Programmable Educational Objectives - PEOs

PEO1 - Professional Development

To develop in the students the ability to acquire knowledge of Mathematics, Science & Engineering and apply it professionally within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability with due ethical responsibility.

PEO2 - Core Proficiency

To provide ability to identify, formulate, comprehend, analyze, design and solve engineering problems with hands on experience in various technologies using modern tools necessary for engineering practice to satisfy the needs of society and the industry.

PEO3 - Technical Accomplishments

To equip the students with the ability to design, simulate, experiment, analyze, optimize and interpret in their core applications through multi disciplinary concepts and contemporary learning to build them into industry ready graduates.

PEO4 - Professionalism

To provide training, exposure and awareness on importance of soft skills for better career and holistic personality development as well as professional attitude towards ethical issues, team work, responsiblility, accountability, multidisciplinary approach and capability to relate engineering issues to broader social context.

PEO5 - Learning Environment

To provide students with an academic environment and make them aware of excellence, develop the urge of discovery, creativity, inventiveness, leadership, written ethical codes and guidelines and the life-long learning to become a successful professional in Electronics and Communication Engineering.

Program Outcomes

PO1 Engineering knowledge: An ability to apply knowledge of mathematics (including probability, statistics and discrete mathematics), science, and engineering for solving Engineering problems and modeling

PO2 Problem analysis : An ability to design, simulate and conduct experiments, as well as to analyze and interpret data including hardware and software components.

PO3 Design / development of solutions: An ability to design a complex electronic system or process to meet desired specifications and needs.

PO4 Conduct investigations of complex problems:

An ability to identify, formulate, comprehend, analyze, design synthesis of the information to solve complex engineering problems and provide valid conclusions.

PO5 Modern tool usage: An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

PO6 The engineer and society: An understanding of professional, health, safety, legal, cultural and social responsibilities.

PO7 Environment and sustainability:

The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and demonstrate the knowledge need for sustainable development.

PO8 Ethics: Apply ethical principles, responsibility and norms of the engineering practice.

PO9 Individual and team work: An ability to function on multi-disciplinary teams.

PO10 Communication: An ability to function on multi-disciplinary teams.

PO11 Project management and finance: An ability to use the modern engineering tools, techniques, skills and management principles to do work as a member and leader in a team, to manage projects in multi-disciplinary environments.

PO12 Life-long learning: A recognition of the need for, and an ability to engage in, to resolve contemporary issues and acquire lifelong learning.

Events Organized by the ECE Department:

S.N 0	Date	Event Type	Event Name
1.	19-12-2023	Seminar	E-Summit - 2k23	Entrepreneur's Meet	Startup Expo
2.	08-12-2023	Seminar	AWARENESS SESSION ON HIGHER EDUCATION & OPPORTUNITIES
3.	09-11-2023	Workshop	Workshop on Entrepreneurship & Innovation as career opportunity
4.	16-10-2023	Prototype Presentation	Innovative Product Design
5.	10-10-2023	Workshop	Cyber security & Ethical Hacking
6.	10-10-2023	Seminar	Tech Talk on AI/ML and Data Science role in BFSI industry
7.	07-10-2023	Guest Lecture	Guest Lecture on The Bridge: Graduate Skills vs. Firm Expected Skills
8.	04-10-2023	Guest Lecture	Guest Lecture on Implementation of Business Analytics in Finance & HR sectors
9.	30-09-2023	Guest Lecture	Guest Lecture on Emerging Trends in IT Industry
10.	23-09-2023	Coding Challenge	INTRA COLLEGE CODING CHALLENGE for III B.TechStudents
11.	21-09-2023	Hackathon	SMART INDIA HACKATHON - 2023 (Internal)
12.	14-09-2023	Seminars	ON-CAMPUS STUDY ABROAD FAIR
13.	30-08-2023	Guest Lecture	Guest Lecture on IDEA GENERATION, BMC & BUSINESS PLAN
14.	24-08-2023	Workshop	ML using Deep Learning
15.	24-08-2023	Workshop	AI for Data Science
16.	19-08-2023	Code Contest	Code Contest on Data Structures
17.	16-08-2023	Idea Presentation	IDEATHON for II B.Tech Students
18.	05-08-2023	Idea Presentation	Idea Presentation for III Year Students
19.	06-07-2023	Hackathon	MSME HACKATHON 3.0 (Internal)
20.	23-06-2023	Workshop	NEP 2020 - Effective Implementation of NEP 2020
21.	14-06-2023	Seminar	Awareness of pursing Masters in United States & Career Opportunities
22.	29-04-2023	Idea Presentation	IDEA PRESENTATION - for II Year B.Tech Students
23.	16-03-2024	Seminar	Fundamentals of AI & ML

24.	16-03-2024	Hackathon	Intra College hackathon for II year Students
25.	02-03-2024	Seminar	Awareness Programme on Higher Education - CAT
26.	01-03-2024	Seminar	A Programming Career for everybody- A Path To Mastery
27.	26-02-2024	Guest Lecture	Guest Lecture on Intellectual Property Rights
28.	24-02-2024	Seminar	Viksit Bharat@2047
29.	09-02-2024	Seminar	Guest Lecture on Artificial Intelligence & Methodologies
30.	08-02-2024	Seminar	Guest Lecture on Artificial Intelligence & Machine Learing
31.	03-02-3024	Hackathon	National Level HACKATHON 2024
32.	23-01-2024	Seminar	Awareness program on Higher Education opportunities in USA
33.	19-01-2024	Seminar	RPA training under Center of Excellence for Women Empowerment

Prizes/awards received in events by the students:
➢ 23 Students Placed In COGNIZANT
➢ 66 Students Placed In DXC
➢ 13 Students Placed In HCL
➢ 10 Students Placed In TCS

Students Achievements:
Below is the list of student internships, categorized by company:

S.No	Roll Number	Name of the student	Fest Name	Event Name	Dates of event	Organized institute
1	20RH1A0452	C.Niharika	Innovation, Design and Entrepreneurship (IDE)	Boot Camp	June 2023	IIT Bhuvaneshwar, Odisha
2	20RH 1A0454	Ch.Sathvika				
3	20RH1A04C1	K.Shravya	International Conference	Paper Presentation	Nov 2023	Rao Bahadur Y. Mahabaleswarappa Engineering College, Bellari, Karnataka
4	20RH1A04D5	L.Alekhya				
5	20RH1A04C9	K.Ruchitha				
6	21RH1A0410	A.Kalyani	Hackathon	Idea Presentation	Nov 2023	Agni College of Technology, Chennai, Tamilnadu
7	21RH1A0417	A.Rajeshwari				
8	21RH1A0480	G.Meghana				
9	21RH1A04B9	K.Kavya				
10	21RH1A04F7	M.Niharika				
11	21RH1A04M4	R.Ravali	Webinar	Tech Series on Embedded systems	Dec 2023	S.A. Engineering College Chennai , Tamilnadu
12	21RH1A04N2	S.Mamatha				
13	21RH1A04N3	S.Karishma				
14	21RH1A04Q1	T.Srija				
15	21RH1A04Q4	T.Amrutha				

STUDENT ACHIVEMENTS

- ❖ 129 students placed in Accenture
- ❖ 49 students placed in Capgemini
- ❖ 9 students placed in Amazon

Prizes/awards received in events by the students:

S.No	Roll Number	Name of the student	Fest Name Event Name	Dates of event	Organized institute	Place
1	20RH1A0428	B.Devi Sree	SPARKS INTELLENTIA 2K24 Idea presentation		Malla Reddy University, Hyderabad	1st Prize
2	20RH1A0429	B.Tejaswini				
3	20RH1A0453	Ch.Shreshta				
4	20RH1A0448	Ch.Meghana				
5	20RH1A0449	Ch.Vaishnavi				
6	20RH1A0437	B.Sravya				
7	22RH1A0404	B.Shivani	ROBUST 2024 Paper Presentation	23.02.2024	Marri Laxman Institute of Technology and Management , Hyderabad	2nd Prize
8	22RH1A0439	S.Kavya Sri				
9	22RH1A0450	N.Vaishnavi				
10	22RH1A0451	P.Harshini Reddy				
11	22RH1A0426	G.Persis	MEDHANVESH 2K24 MATTHON	22nd and 23rd March 2024	BVRIT Engineering College for Women, Hyderabad	3rd Prize
12	22RH1A0434	J.Sravani				

FACULTY CERTIFICATIONS:

- ❖ **Dr.N.L.Aravinda** Published a Book "COMPUTER NETWORKS A SYSTEMS TOP DOWN APPROACH: COMPUTER NETWORKS" with ISBN NO:978-81-964693-51.
- ❖ Mr. Srikanth Sirimalle completed NPTEL Course on Fundamentals of Artificial Intelligence
- ❖ Dr. Jagadeesan Nallathambi completed NPTEL Course on Data Analytics with Python
- ❖ Ms. Saritha Diddi completed NPTEL Course on Introduction to Machine Learning
- ❖ Dr. Rakesh Kolluri completed NPTEL Course on Cloud Computing
- ❖ Mr. Harish Gopadi completed NPTEL Course on Cloud Computing

Faculty Publications: Most of the Faculty published the research papers .

1. **Dr.K.SUDHAKAR:**

- Cnn-Based Ultrasound Image Reconstruction For Ultrafast Displacement Tracking inInternational Journal of Management Research & Review Jul-23

- A Fast Image Dehazing Algorithm Using Morphological reconstruction in International Journal of Mathematical,Modelling,Simulations and Applications Jul-23

- Crop Yield Estimation System Using Digital Image Processing AndMachine Learning in International journal of Pure and applied science& technology Jul-23

- Cnn Model For Parkinson Disease Detection From Image Data in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

- A Hybrid Image Encryption In Data Security System Based On Choatic Map in International Journal for Advanced Research In Science & Technology Dec-23

- Review Of Hiding Technique To Developing A Secure System: in journal Dual Steganography Advanced Engineering Science Dec-23

2. **Dr.N.Sreekanth:**

- Deep Learning For Finger Vein Recognition: A Brief Survey Of Recent Trend in International Journal of Mathematical,Modelling,S imulations and Applications 03-Jul-23

- Sign Language Recognition Using Cnn in Journal of Science and TechnologyJul-23

- Leaf Disease Detection And Remedy Suggestion Using Cnn in International journal of Pure and applied science & technology Jul-23

- Predictive Analytics For Optimal Water Management In Smart Irrigation Systems Using Node-Mcu Data in International Journal for Advanced Research In Science & Technology Dec-23

3. **Dr.T.S.Ghouse Bhasha:**

- Face Segmentation Using Skin Color Model For Video Phone Applications in Journal of Critical Reviews 2023

- Crime Data Analysis Using Machine Learning in International journal of basic and applied research Jul-23

- Heart Disease Prediction Using Machine Learning Algorithm in International journal of Pure and applied science & technology Dec-23
- Vision Based Skin Disease Identification Using Deep Learning YIDDISH Dec-23
- Hair Removal From Dermoscopy Images in International Journal for Advanced Research In Science & Technology Dec-23

4. **Dr.L.MALLIGA:**

- Low Dose Ct Image Denoising Using Cycle Consistent Adversarial Networks in International journal of Pure and applied science & technology   Jul-23
- A Contemporary Technique For Lung Disease Prediction Using Machine Learning in Journal of Science and TechnologyJul-23
- Advanced Neural Networks For Anticipating Harvest Quantity In Controlled Green House Conditions in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023
- A New Secure Data Hiding Aes-Ctr Key Modulation in International Journal of Engineering Science and Advanced Technology(IJESAT)2023
- Deep Learning Method For Intrusion Detection In Network Security in Turkish Journal of Computer and Mathematics Education 2023

5. **Dr.S.M.P.SAMY:**

- Biological Vision Inspired Framework For Image Enhancement In Poor Visibility Conditions in International journal of basic and applied research Jul-23
- Skin Disease Detection Based On Different Segmentation Techniques in International Journal of Mathematical,Modelling,S imulations and Applications Jul-23
- Diabetes Prediction Using Machine Learning Techniques in International Journal of Engineering & Science Research Jul-23
- Kidney Stone Detection In Ultrasound And/Or Ct Scan Images Using Image Processing And Machine Learning in International Journal of Innovative Engineering and Management Research Dec-23
- Detection And Counting Of Red Blood Cells In Microscopic Image in International Journal for Innovative Engineering and Management Research Dec-23
- Challenges And Intelligent Authentication In 5G Networks Based On Machine Learning Techniques in International journal of modern electronics and communication engineering Dec-23

6. Dr.N.JAGADEESHAN:

- Face Mask Detection Using Machine Learning in Journal of Science and Technology Jul23

- Simultaneous Intensity Bias Estimation And Stripe Noise Removal In Infrared Images Using The Global And Local Sparsity Constraints in International journal of Pure and applied science & technology Jul-23

- Automatic Detection Of White Blood Cancer From Bone Marrow Microscopic Images in International Journal of Management Research & Review Jul-23

- A Combined Approach Of Dwt-Dct- Based Blind Medical Image Watermarking For Iomt Applications in International Journal of Innovative Engineering and Management Research Dec-23

- Bone Extraction In X-Ray Images By Analysis Of Line Flection in International Journal for Advanced Research In Science & Technology 2023

- Polarimetric Sar Image Classification Based On Ensemble Dual-Branch Cnn And Superpixel Algorithm Using Machine Learning International Journal of Mathematical, Modelling, Simulations and Applications Dec-23

7. Dr.S.RAJKUMAR:

- Automatic Number Plate Recognition System For Vehicle Identification Using Optical Character Recognition IJMECE Jul-23

- Artificial Intelligence Approach For Fire Detection From Images in International Journal for AdvancedResearch In Science & Technology Dec-23

- Face Recognition Based Smart Attendance System Using Machine Learning in Turkish Journal of Computer and Mathematics Education 2023

8. Dr.ABDUL RAHIM:

- Image Forgery Detection Based On Fusion Of Lightweight Deep Learning Models in International Journal of Mathematical,Modelling,S imulations and Applications 03-Jul23

- An Improved Speaker Verification System For Robotic Applications in Turkish Journal of Computer and Mathematics Education 2023

- Lung Cancer Detection Using Machine Learning in International Journal of Engineering Research and Science & Technology Jul-23

- Machine Learning Models For Prediction And Forecasting Of Co2 Emission With Eda in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

- Measuring Of An Calorie By Using An Food Recoginition Method in History of Medicine Studies Dec-23

- A Review On Challenges And Expected Solutions For Green Communication in Journal of Cardiovascular Disease Research Dec-23

9. **Mr.G.HARISH KUMAR**:

- Speed Detection And Overspeed Captured Cars Using Opencv in International Journal of Mathematical, Modelling, Simulations and Applications 03-Jul-23

- A Novel Design Of Flipflop Circuits Using Quantum Dot Cellular Automata in Turkish Journal of Computer and Mathematics Education 2023

- Machine Learning Model For Pneumonia Detection From Chest X- Rays in International Journal for Advanced Research In Science & Technology Dec-23

- Implementation Of Cost-Effective Self-Healing Approach For Reliable Hardware Systems in Turkish Journal of Computer and Mathematics Education 2023

10. **Mr.D.RAMAKRISHNA:**

- Fish Disease Detection Using Image Based Machine Learning Technique In Aquaculture in International journal of basic and applied research Jul-23

11. **Mr.S.SRIKANTH:**

- Agricultural Land Mapping And Classification From Satellite Images in International Journal of Management Research & Review Jul-23

- Chip Design For Turbo Encoder Module For In-Vehicle System in Turkish Journal of Computer and Mathematics Education Jul-23

- Deep Learning-Based Low Light Image Enhancement For Improved Visibility in International Journal for Advanced Research In Science & Technology Dec-23

- Detection Of Brain Tumor Using Features Fusion And Machine Learning in History of Medicine Studies Dec-23

12. **Mr.K.RAGHAVENDRA:**

- Design Of Practical Parity Generator And Parity Checker Circuits In Qca in Turkish Journal of Computer and Mathematics Education 2023

- Stress Detection In It Professional By Image Processing And Machine Learning in International journal of Pure and applied science & technology   Jul-23

- Liver Cancer Detection Using Machine Learning in Turkish Journal of Computer and Mathematics Education 2023

- Simulation And Classification Of Mobile Communication, Base Station Downlink Of Signals YIDDISH Dec-23

13. **Mrs.H.BHAGYA LAKSHMI:**

- Brain Tumor Detection From Mri Image Using Digital Image Processing in Journal of Science and Technology Jul-23

- Real-Time Secure Text Transmission Using Video Steganography in Journal Of Cardiovascular disease Research 2023

- Time Series Analysis-Based Prediction Of Dengue Spread Using Climate Data in International Journal for Advanced Research In Science & Technology Dec-23

- Lung Disease Prediction Using And Dl And Ml in International journal of Pure and applied science & technologyDec-23

14. **Mrs.T.SWATHI:**

- A Self-Supervised Anti- Aliasing And Superresolution Algorithm For Mri Using Deep Learning in International journal of basic and applied research Jul-23

- Detecting The Movements Of Objects With Webcam in International journal of basic and applied research Jul-23

- A Novel Method Of Qrs Detection Using Time And Apmlitude Thresholds With Statistical Peak Elimination in International Journal for Advanced Reaserch in Science & Technology Dec-23

- Survey On Machine Learning In 5G YIDDISH Dec-23

- Advance Security Atm System With Three Layer Securitym Protection DogoRangsang Research Journal Feb-24

15. **Mrs.N.KARTHIKA:**

- Crime Rate Prediction & Analysis Using K-Means Clustering Algorithm in International Journal of Applied Science Engineering And Management Jul-23

- Machine Learning Frame Work For Medical Image Fusion Approach in Journal Of Cardiovascular disease Research 2023

- Versatile Plant Diseases Prediction Based Support Vector Machine In Diital Image Applications in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

- Video Surveillance System Using Motion Detection in Applied Laser Technology2023

16. **Mrs.D.SARITHA**:

- Energy Efficient Power Allocation With Buffer Constraint For High Speed Railways in IJMRR Jul-23

- Accurate Gastric Cancer Segmentation In Digital Pathology Images in International Journal of Management Research Review Jul-23

- Moving Object Segmentation & Tracking Using Dwt In Video Surveillance in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

- An Alterable Data Hiding In Scrambled Image Based On Multi- Secret Allotment And Lightweigh Cryptographic Algorithms in International Journal of Mathematical, Modelling, Simulations and Applications Dec-23

17. **Mrs.SHIVA PARVATHI:**

- Lung Cancer Detection Using Image Processing Techniques in Journal of Science and Technology Jul-23

- A Lowcost Optical Sensor For Secured Antispoof Touchless Palmprint Biometric in International journal of basic and applied research Jul-23

- Moving Object Detection In Complex Scene Using Spatiotemporal Structured-Sparse Rpca in International journal of modern electronics and communication engineering Dec-23

18. **Mr.Ch.VENKATESHWARULU:**

- Heart Arrhythmia Detection Using Deep Learning in International Journal of Applied Science Engineering And Management   Jul-23

- A Cost And Power Efficient Medical Image Compressor Vlsi Design With Fuzzy Decision And Block Partition For Wireless Sensor Networks in Journal Of Cardiovascular disease Research 2023

- Artificial Intelligence Model For Air Quality Prediction And Analysis From Iot Sensor Data in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

- Automatic Motorcyclist Helmet Rule Violation Detection And Number Plate Recognition Using Python in History of Medicine Studies 2023

19. **Mrs.V.NAVYA SREE:**

- Indian Vehicles Number Plate Detection And Recognition Using Dip in IJMECE Jul-23

- Automatic Tumor Extraction From Mr Brain Images Using Hybrid Clustering Algorithm in Journal Of Cardiovascular disease Research 2023

- An Intelligent Traffic Control System Using Morphological Operation in International Journal for Advanced Research In Science & Technology Dec-23

- Leaf Disease Detection And Remedy Suggestion Using Cnnr in International journal of modern electronics and communication engineering Dec-23

- Hydroponics Plant And Temperature Control For Healthy Crops in IJESR Feb-24

20. **Mr.NAGA DASARADHA:**

- Satellite Image Resolution Enhancement Using Dual Tree Complex Wavelet Transform And Non Local MeanInternational in Journal of Applied Science Engineering And Management Jul-23

- Securing Emerging Non-Volatile Main Memory With Fast And Energy- Efficient Aes In-Memory Implementation in Journal of Critical Reviews 2023

- Fingerprint Image Identification For Crime Detection Applied GIS Dec-23

21. **Mr.B.SATISH KUMAR:**

- D2D Communications Meet Mec For Enhanced Computation Capacity In Cellular Networks in IJMRR Jul-23

- Heart Disease Prediction Using Bio Inspired Algorithm IJMECE in Jul-23

- Accidents Detection And Traffic Flow Analysis For Intelligent Road Traffic Monitoring in International Journal for Innovative Engineering and Management Research Dec-23

- Swarm Optimization For Antenna Synthesis in International Journal for Innovative Engineering and Management Research Dec-23

22. **Mr.V.NAGA MAHESH:**

- Farming Made Easy By Using Chine Learning in IJMECE Jul-23

- Implementation Of Full Adder Using Finfet Technology With H-Spice in Journal of Critical Review 2023

- Detection And Classification Of Fruit Diseases By Using Image Processing Applied GIS Dec-23

- Automatic Face Detection By Using Skin Classifier Algorithm: Application For Attendance Management System in International Journal for Advanced Research In Science & Technology Dec-23

23. **Mrs.G.ANUSHA:**

- Mutual Noise Estimation Algorithm For Video Denoising in International journal of basic and applied research Dec-23

- Bone Fracture Detection Using Python Gui in International Journal of Applied Science Engineering And Management Jul-23

- Breast Cancer Detection And Classification By Using Clustering Methods With Support Vector Machine in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

- Integrated Energy And Spectrum Harvesting For 5 G Wireless Communications Applied GIS Dec-23

24. **Prof BABU RAO:**

- Image Degradation For Quality Assessment Of Pansharpening Methods in International Journal of Applied Science Engineering And Management Jul-23

- Visible Video Watermarking Using Adaptive Transformation Technique in Turkish Journal of Computer and Mathematics Education 2023

- Heart Disease Prediction Using Machinelearning Algorithm in International Journal of Engineering Research and Science & Technology Jul-23

- Supervised Learning Algorithm For Prediction Of Type 2 Diabetes Mellitus Disease in International Journal for Advanced Research In Science & Technology Dec-23

- Automatic Detection Of White Blood Cancer From Bone Marrow Microscopic Images Using Convolutional Neural Networks Applied Laser Technology 2023

- Graph Based File Dispatching Protocol Withbd2D Enhanced Applied GIS Dec-23

25. **Mr.M.RAMARAO:**

- Human Action Recognition Using Deep Learning And Opencv in IJMECE Jul-23

- Chest X-Ray Denoising Implementation Using Gammatone Median Filter With Data Comparator in Journal Of Cardiovascular disease Research 2023

- Hybrid Lstm Encoder Decoder Architecture To Detect Video Forgery Applied Laser Technology 2023

26. **Ms.G.ADI LAXMI:**

- Localization Of Energy Harvesting Empowered Underwater Optical Wireless Sensor Networks in IJESR Jul-23

- Reduction Of Peak-To-Average Power Ratio In Ofdm Systems in Journal of Critical Reviews 2023

- Soil Texture Classification Using Muilticlass Support Vector Machine in International Journal for Innovative Engineering and Management Research Dec-23

- Long Short-Term Memory (Lstm) Deep Learning Method For Intrusion Detection In Network Security in International Journal of Applied Science Engineering and Management Dec-23

27. **Mrs.CP.BHARGAVI:**

- Achieving Green Transmission With Energy Harvesting Based Cooperative Communication in IJESR Jul-23

- Palm Print Authentication System For Biometric Applications in Journal of Critical Reviews 2023

- A New Encrypted Secret Message Embedding In Audio Using Lsb Based Stenography With Aes in International Journal of Engineering Science and Advanced Technology(IJESAT) 2023

28. **Ms.P.NARESH BABU:**

- Delay Efficient 128-Bit Ladner Fischer Adder in Journal of Critical Reviews 2023

- A Review On Vlsi Architecture Of Montgomery Modular Multiplier in International Journal of Applied Sceince Engineering and Management Dec-23

FACULTY FDP/STTP/WEBINARS/COURSES ATTENDED BY FACULTY :

S.no	Name of the Faculty	Name of FDP/Traning/STTP	Start Date	End date	No.of Weeks
1	Dr.Abdul Rahim	E Faculty Orientation Program for delivering the Ignite Entrepreneurship Course conducted by Wadhwani Entrepreneur Network	27.03.2024	23.03.2024	4
2	Mr.Raghavendra karanam	E faculty orientation program for delivering the ignite entrepreneurship course conducted by Wadhwani entrepreneur network	27.03.2024	23.03.2024	4
3	Dr.Sudhakar kallur	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
4	Dr.Sreekanth Nerinooru	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
5	Dr.Lakshmanan Malliga	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
6	Ms.Sivaparvathi Movva	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
7	Ms.Navyasree veerapaneni	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
8	Mr.Satish Kumar Budhireddy	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
9	Mr.Naresh Babu Perka	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2

10	Mr.Naga Mahesh Vemula	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
11	Ms.Indraganti Swathi	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
12	Dr.Amalorpavamary Rajee Samuel	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
13	Dr.Udayakumaran sateeswaran	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
14	Ms.Priyanka Manne	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
15	Dr.Sultan Mahmoodchowdary	FDP on Recent Advancements in Deep Learning for computer vision applications by CVR	01.04.2024	12.04.2024	2
16	Dr.Tadimarri Shaik Basha	FDP on NEP 2020 Orientation & Sensitization programme organized by JNTUH	01.03.2024	15.03.2024	2
17	Dr.Nalabothula Aravinda	FDP on Wireless Networks by NITTR	12.02.2024	16.02.2024	1
18	Ms.Bhagyalakshmi Hasyapu	FDP on research Methodologies-Quantitative and Qualitative Reasearch by CVR	05.02.2024	09.02.2024	1
19	Ms.Swathi Thotakura	FDP on research Methodologies-Quantitative and Qualitative Reasearch by CVR	05.02.2024	09.02.2024	1
20	Ms.Karthika Nampally	FDP on research Methodologies-Quantitative and Qualitative Reasearch by CVR	05.02.2024	09.02.2024	1
21	Ms.Suprita	FDP on research Methodologies-Quantitative and Qualitative Reasearch by CVR	05.02.2024	09.02.2024	1
22	Ms.Madhulatha Thirumala	FDP on research Methodologies-Quantitative and Qualitative Reasearch by CVR	05.02.2024	09.02.2024	1
23	Dr.D.Sangeetha	FDP on research Methodologies-Quantitative and Qualitative Reasearch by CVR	05.02.2024	09.02.2024	1
24	Mr.Naga Dasaradha Kamanuru	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
25	Ms.Aruna Jyothi Muthyala	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1

26	Ms.Vemula Poornima	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
27	Ms.Bonagiri Shilpa	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
28	Ms.Balija Adhithya	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
29	Dr.Sathish Sundrarajan	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
30	Ms.Sreeram Swathi	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
31	Ms.Anusha Karanam	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
32	Dr.Anandharajantrv	FDP on "Role of Bigdata and cloud in the Era of Transformation"by GATES Instution of Technology	29.01.2024	03.02.2024	1
33	Ms.Sumalata Kadire	FDP on "Exploring the cutting-Edge Developments in VLSI Design" by VNRVJIT	18.03.2024	22.03.2024	1
34	Mr.Ramakrishna Doredla	FDP on "Exploring the cutting-Edge Developments in VLSI Design" by VNRVJIT	18.03.2024	22.03.2024	1
35	Ms.Puvvada Spandana	FDP on "Exploring the cutting-Edge Developments in VLSI Design" by VNRVJIT	18.03.2024	22.03.2024	1
36	Ms.Ramya Krishna Rajavolu	FDP on "Exploring the cutting-Edge Developments in VLSI Design" by VNRVJIT	18.03.2024	22.03.2024	1
37	Ms.Patil Deepika	FDP on "Exploring the cutting-Edge Developments in VLSI Design" by VNRVJIT	18.03.2024	22.03.2024	1
38	Mr.Aileni Bhanu Chandar	FDP on "Exploring the cutting-Edge Developments in VLSI Design" by VNRVJIT	18.03.2024	22.03.2024	1

Photographs,Press Notes:

**Orientation program – 2023 for Ist year B.Tech students of CSE(AIML), CSE(DS), CSE(IOT), ECE, EEE.
21st August, 2023**

Teacher's Day Celebrations - 2023 @ MRECW 5ᵗʰ September 2023

MRECW NSS UNIT I & II Presents DENTAL CAMP (FOR STUDENTS)

Parent - Teacher Meeting condute

IIPC & Student Affairs Presents Guest Lecture The Bridge: Graduate Skills vs Firm expected skills

MRECW cultural club 30th December,2023

Music of MRECW 04 November,2023

Classical IDOL 04 November,2023

Photo contest 04 November,2023

Institution's InnovationCouncil Presents MIC DRIVEN ACTIVITY VIKSIT BHARAT @ 2047 with honorable Prime Minister of India Shri. Narendra Modi 11th December, 2023

Innovative Product Design 16th, October 2023

SPORTECH 2023 - Intra College Sports Meet 18th November, 2023

National Entrepreneurship day 9 november 2023

Awareness program on Higher Education opportunities in USA by Ms. Madison Ferreri, University of New Hampshire(UNH) USA 23rd January, 2024

National youth day 12 january 2024

Sankranti sambaralu 12 january 2024

Heartfulness Programme (Self Development Workshop) 7th to 9th February, 2024

RPA training under Center of Excellence for Women Empowerment in association with Honeywell and ICTAcademy 19th January, 2024

MRECW NSS UNIT I & II presents| Awareness Programme on "Girl Child Education" || Water Conservation || Consumer Rights || Educating how to use Gpay, Phonepe
3rd February,2023

12th ALUMNI MEET 30th December 2023

National Level Hackathon organized by IIC & EDC of MRECW 3rd February 2024

IIC & EDC Presents Intra College HACKATHON II B.TECH 16th March, 2024

Inauguration of ''International Education Center & Global Education Fair"20th March, 2024

A Programming Career for everybody: Navigating the path to mastery 01 March, 2024

GURU PRANAM 2K24
Thanks Giving Celebrations from B.Tech 2020-24 Batch1st April, 2024

ESPARANZA 2K24 - Interaction Day Celebrations for I & II B.Tech Students10th May, 2024
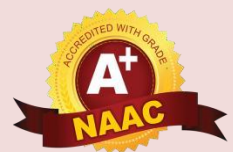
MALLA REDDY ENGINEERING COLLEGE FOR WOMEN

Autonomous Institution – UGC, Govt. of India

Accredited by NAAC with 'A+' Grade

Programmes Accredited by NBA

National Ranking by NIRF Innovation - Rank band(151-300), MHRD, Govt. of India

Maisammaguda, Dhulapally, Secunderabad – 500 010, Telangana