M
L
W
E
C

CSE TODAY

Volume 9
Issue-1

FEBRUARY - 2023

MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE

Affiliated to JNTUK, Approved by AICTE &
Accredited by NBA & NAAC Pulladigunta (V),
Guntur (Dt), Andhra Pradesh - 522017

Institute Vision-Mission

The Vision Of The Institute

- To be a pioneer institute in engineering education, fostering academic excellence, and producing empowered women engineers, blended with ethics and values, to serve the society.

UPGRADE EXPERIENCE

The Mission Of The Institute

- To achieve academic excellence through innovative teaching-learning practices

- To inculcate self-discipline, ethics, and values amongst the learners

- To bridge the gap between industry and academia through the industry-institute interface

- To promote higher education, research and inculcate entrepreneurial attitude amongst the learners

MISSION

Department Vision-Mission

The Vision Of
The Department

Toemerge as the center of quality education in Computer Science and Engineering by promoting competent and woman engineers with ethical values toservethe society

The Mission Of

The Department

MD1 : To impart quality education through innovative teaching and learningmethods.

MD2:To inculcateethical and social values among the students for improvingtheir life skills.

MD3 : To facilitate knowledge on updating technologies tomeet industry requirements.

MD4:Topreparestudents for software development, highereducation,entrepreneurship, and lifelong learning careers.

ABOUT THE DEPARTMENT

Malineni Lakshmaiah Women's Engineering College is one of the leading Engineering Colleges, helping students to realize their dreams and to become valuable assets to thenation. The Department is committed to academic excellence in the fields of Computer Science, leading to develop students through academia and industry linkages. The Department of CSE started its journey of UG program B. Tech (CSE) in the year 2008 with an intake of 90 and PG program M. Tech (CSE) in the year 2012 initially with an intake of 24. At present the department has expanded to 360 students with UG program. The intellectual ambiance in the Department of CSE is conducive for the holistic development of the students. The main idea of the department is to equip young minds with technical skills, along with ethical values, so that they can make a meaningful contribution towards the development of country in the field of Computer Science and Engineering The Department has a team of good experienced and motivated academicians whose expertise spans the range of disciplines in Computer Science stream. There is a healthy work-culture and the students are eager to coup with the changes and demands of the Industry and Society. The Department goal is to provide students with a balance of intellectual and practicalexperiences that enable them to serve a variety of societal needs. In the department, students are nurtured to become best. Software Professionals or Team Leaders in Industry or become Entrepreneurs in their own innovative way. Faculty also teach the students to work in teams, share their ideas, present, improve communication skills and join creative teams that make a positive difference. On behalf of the administration, Computer Science Department welcomes the students and wish them bright journey of learning in the field of Computer Science. The department is. equipped with state-of-the-art laboratories and infrastructure to support hands-on learning, research, and innovation. With a dedicated faculty team and strong industry collaborations, the department provides students with opportunities for internships, projects, and placements in leading tech companies. Graduates of CSE are well-prepared to pursue careers in software. development, data science, AI, cybersecurity, and various other domains in the rapidly evolving digital world.

HOD DESK

Dear Readers,
It gives me immense pleasure to share the

Achievement and activities of the Department of Computer Science and Engineering through this newsletter. Our department has always been at the forefront of innovation, research, and excellence in education. The continuous support of our faculty,

students, and stakeholders has been instrumental in achieving our goals.

Over the past semester, we have witnessed remarkable accomplishments in

academic projects, technical advancements, and student-driven initiatives. Our focus on emerging technologies such as Artificial Intelligence, Machine Learning, Data Science, and Cybersecurity is preparing our students to excel in the competitive global environment.

I am proud of our students for their participation in hackathons,

conferences, and internships, and I extend my heartfelt congratulations to them for their commendable efforts.

I also applaud our faculty members for their dedication to fostering a vibrant

learning environment and for their contributions to cutting-edge research.

Looking ahead, we remain committed to creating an ecosystem that

promotes holistic development, entrepreneurship, and lifelong learning. I encourage everyone to continue striving for excellence and contributing to the department's growth and success.

Best wishes,

Dr G Rama Swamy

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1 *Graduates will be able to utilize fundamental knowledge to meet* the dynamic needs of *Computer Science and Engineering problems.*

PEO 2 *Graduates will be able to accomplish in the domain of programming skills learned in their curriculum to become successful engineers.*

PEO 3 *Graduates will be able to provide feasible and socially acceptable solutions to real life problems in the areas of Computer Science and Engineering.*

PEO 4 *Graduates will be able to acquire technical knowledge with leadership qualities,* social *awareness and ethical values with commitment.*
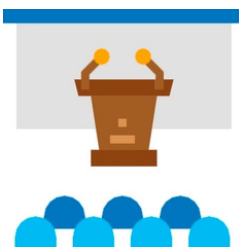
PSOs of the Department:

PSO 1 *Familiar with open-ended programming environments to develop software applications.*

PSO 2 *Design and develop computer programs and computer-based systems in the areas related to Cloud Computing, AI and latest trending technologies.*

FACULTY PUBLICATIONS

1. Dr. Devireddy Srinivasa Kumar, professor of Cse Department has Published paper" Data storage, processing, and minimal redundancy in a cloud computing environment" of journal IJTE-International Journal of Techno Engineering, Volume XIV,ISSN: 2057-5688.

2. Dr. Devireddy Srinivasa Kumar, professor of Cse Department has Published paper" A new routing method for link failure localization prediction And restoration in wsn" of journal ZKG International, Volume VI, ISSN: 2366-1313.

3. Dr.G.RamaSwamy, Professor &Hod of Cse Department has Published paper" A Study on Prediction of Diabetes Using Machine Learning".of journal International Journal of Research, Vol 11.
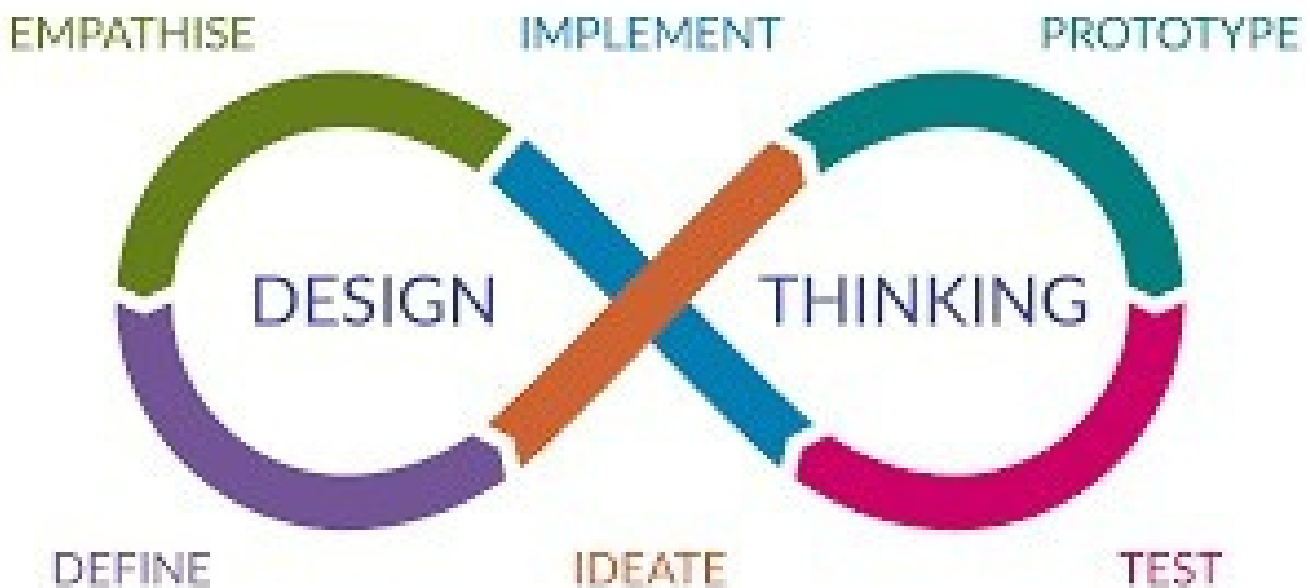
FACULTY CONFRENCE

1.Mr.K.Siva Krishna ,assistant Professor of Cse Department has Published Confrence paper" A STUDY OF MACHINE LEARNING FORECASTING FOR BUSINESS" of journal ICLTEMHST, ICLTEMHST /2022/C1122926.

Student Participations

Conducted a 5-day Robotics Boot Camp, providing hands-on training in robotics concepts, programming, and hardware integration. Guided participants through building and coding robotic systems, fostering problem-solving skills and innovation. The camp concluded with interactive projects and challenges to enhance practical learning.

Conducted a 5-day Design Thinking Bootcamp, guiding participants through problem-solving frameworks, ideation techniques, and prototyping strategies. The program focused on user- centric innovation, fostering creativity and collaboration. Hands-on activities and real-world case studies enhanced participants' ability to
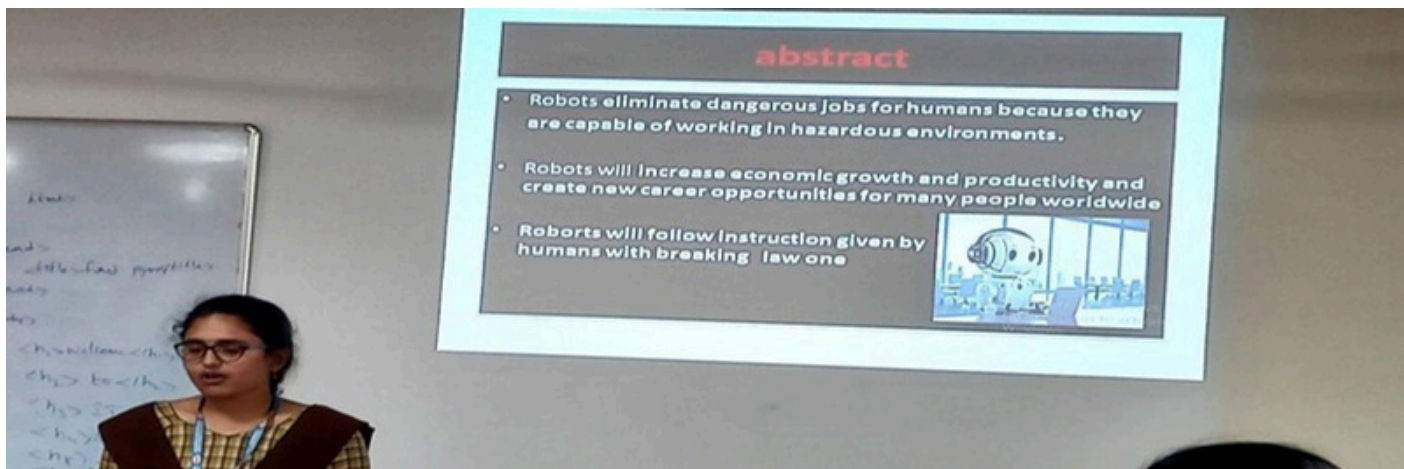
SEMINAR ON BLOCKCHAIN:

The CSE department successfully conducted a technical seminar for 3rd year students on "Blockchain" bringing together students and faculty to explore the latest advancements in technology. Experts shared insights on cutting-edge topics, enhancing participants' knowledge and skills. The seminar fostered innovation, collaboration, and a deeperunderstanding of emerging trends in the field.

Blockchain is widely used in variousindustries, including finance for secure and transparent transactions, supplychain management for real-time tracking and fraud prevention, healthcareforsecure patient records, and identity management for tamper-proof digitalidentities. It also plays a crucial role in smart contracts for automatingagreements without intermediaries, decentralized finance (DeFi) for peer-to-peer lending and trading, and voting systems for ensuring transparent andfraud-resistant elections. Additionally, blockchain is used in real estatefor secure property transactions, in entertainment for copyright protection,and in the energy sector for peer-to-peer energy trading.
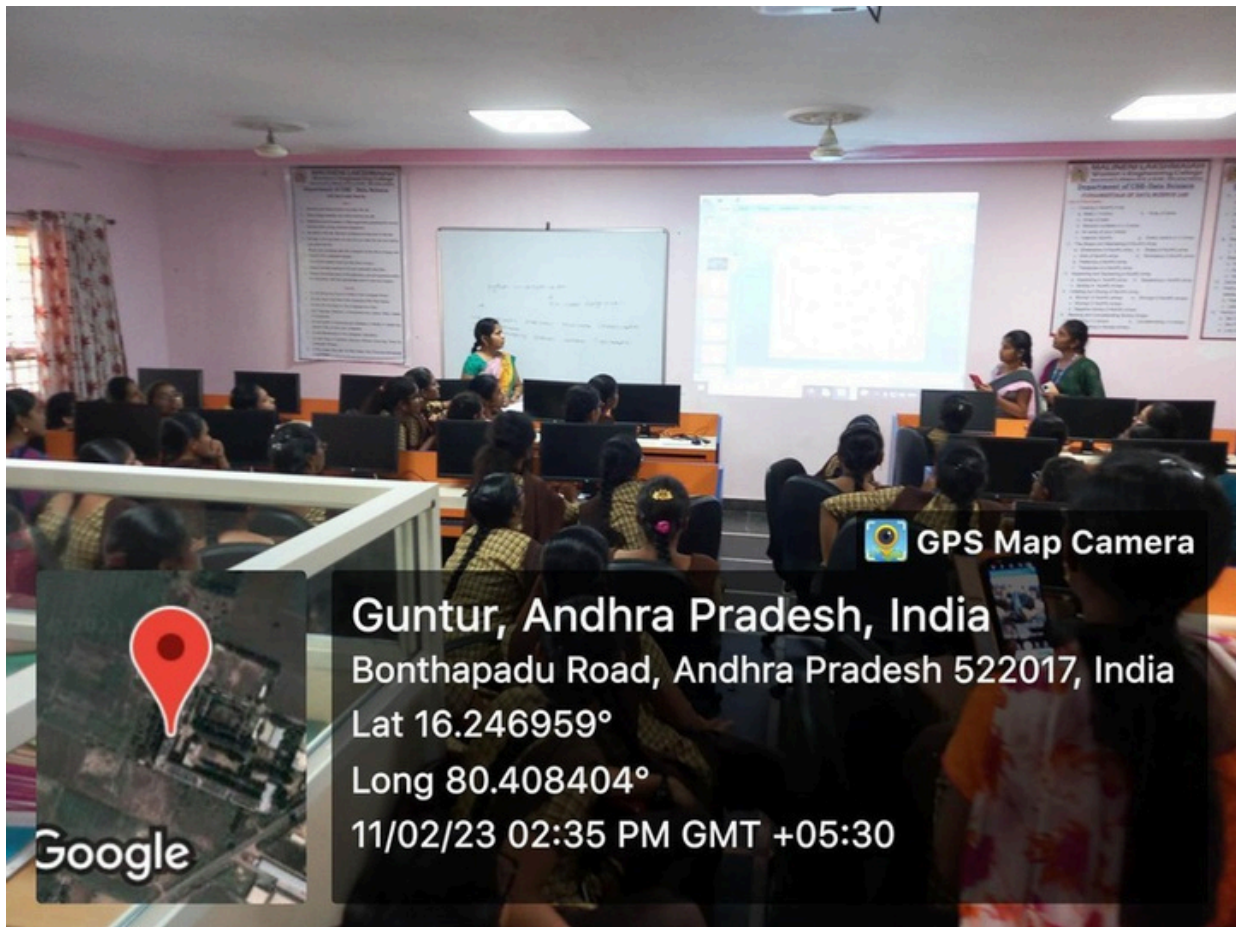
SEMINAR ON ROBOTICS:

The CSE department successfully conducted a technical seminar for 2nd year students about "Robotics" bringing together students and faculty to explore the latest advancements in technology. Experts shared insights on cutting-edge topics, enhancing participants' knowledge and skills. The seminar fostered innovation, collaboration, and a deeper understanding of emerging trends in the field.

Robotics is widely used in various industries, including manufacturing for automation and precision in production, healthcare for surgical robots and patient care assistance, agriculture for automated harvesting and monitoring, and logistics for warehouse automation and delivery drones. It also plays a crucial role in defense for autonomous surveillance and combat systems, space exploration for planetary rovers and satellite maintenance, and education for interactive learning and STEM development.

GPS Map Camera

Guntur, Andhra Pradesh, India
Bonthapadu Road, Andhra Pradesh 522017, India
Lat 16.246959°
Long 80.408404°
11/02/23 02:35 PM GMT +05:30

Google

The CSE department hosted a thrilling Technical Quiz, challenging students with thought-provoking questions across various domains. The event fostered a competitive yet engaging atmosphere, enhancing problem-solving skills and teamwork. Participants showcased their expertise while gaining valuable learning experiences.

Conducting quizzes has various uses, including enhancing learning by reinforcing knowledge retention, assessing understanding of a subject, and identifying knowledge gaps for improvement. It promotes engagement and active participation in educational settings, boosts critical thinking and problem-solving skills, and provides instant feedback for self-evaluation. Quizzes are also used in recruitment to assess candidates' skills, in corporate training to measure employee progress, and in competitive exams for ranking and selection. Additionally, they serve as an interactive tool for entertainment, encourage healthy competition, and help in gathering insights through surveys.

INTERNSHIP

3/4 CSE Students has part in ADC Internship

An ADC (Application/Academic Development Cell) internship in Malineni Lakshmaiah Womens Engineering colleges is a structured program designed to provide students with hands-on experience in their field of study, typically focusing on software development, embedded systems, or research-based projects depending on the department. These internships are often coordinated by our college's internal ADC cell in collaboration with industry partners or faculty, offering students the opportunity to work on real-time applications, gain practical skills, and build a strong technical foundation.

TEACHER'S DAY:

The CSE department successfully conducted a vibrant Teachers' Day event to honor and appreciate our dedicated faculty members. The celebration included heartfelt speeches, fun activities, and token of gratitude from students. It was a memorable occasion filled with joy and respect for our educators.

Our team secured victory in the Kho-Kho competition with speed, strategy, and teamwork. Every chase and dodge kept the game intense, but we stayed focused till the end. The final moments were thrilling, leading us to a well-earned win. This achievement reflects our dedication and passion for the sport!

Our team clinched victory in the throwball competition with outstanding teamwork and determination. Every player gave their best, showcasing skillful serves and strong defense. The thrilling final match ended in our favor, making the win even more memorable. This achievement reflects our hard work and sportsmanship

We emerged victorious in the throwball competition, displaying excellent coordination and strategic gameplay. Every match tested our resilience, but we pushed through with determination. The final game was intense, but our teamwork led us to a well-deserved win. This succeis a proud moment for our team!

FRESHERS

We had the privilege of celebrating our Freshers' Day with immense joy and enthusiasm. The event was a grand success, filled with exciting performances, interactive sessions, and warm welcomes. Our Head of the Department (HOD) played a crucial role in making the celebration memorable. With his unwavering support and encouragement, the event was well-organized and truly special. His inspiring words motivated the freshers to embark on their new academic journey with confidence. The entire department came together to ensure a lively and welcoming atmosphere. It was a day of happiness, bonding, and new beginnings for everyone.

CULTURAL CLUB

Our department   proudly inaugurated cultural club to encourage creativity and artistic expression among students. The event was meticulously planned and hosted by our enthusiastic 2nd-year students, who took charge of every aspect of the celebration.

Their dedication and teamwork ensured a well-organized and engaging experience for everyone present. The event featured a variety of cultural performances, including music, dance, and drama, showcasing the incredible talents of our students. Faculty members and guests appreciated the efforts of theorganizers,andsuccessfullaunch,the cultural club is set to bring many exciting opportunities in the future.

EMINAR ON CYBERSECURITY:
One of our 2nd-year students delivered an insightful and engaging seminar on cybersecurity.

The session covered essential topics such as cyber threats, ethical hacking, data protection, and best practices for online safety. With a well-structured presentation and real-world examples, the speaker captivated the audience, making complex concepts easy to understand.

The seminar also included interactive discussions, where students eagerly participated and clarified their doubts.
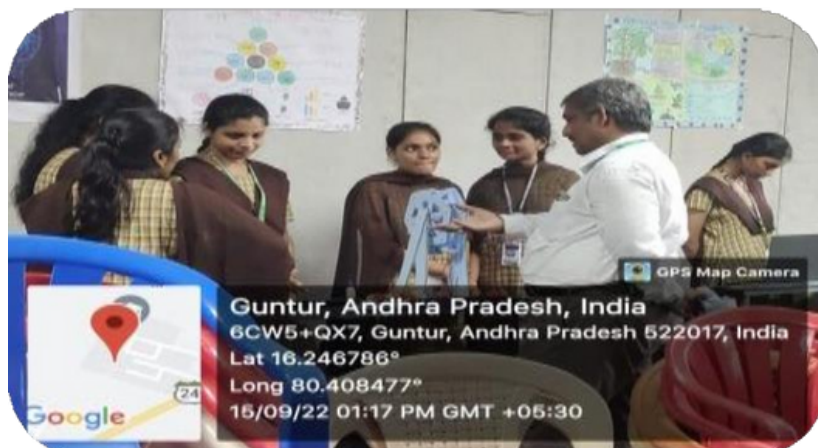
HACKTHON ON IOT:

Our3rd-yearstudents actively participated in an IoT Hackathon, showcasing their technical expertise and problem-solving skills. The competition provided a platform for them to innovate and develop smart solutions using the Internet of Things (IoT) technology. Working in teams, they designed and built prototypes addressing real- world challenges in areas like smart homes, healthcare, and environmental monitoring. Their dedication, teamwork, and creativity were evident throughout the event as they worked tirelessly to

implement their ideas. The hackathon included multiple rounds, from ideation and prototyping to final presentations, where students had to demonstrate their working models. Industry experts and mentors guided the participants, providing valuable feedback to refine their projects. The event was a great learning experience, enhancing their coding, hardware integration, and analytical skills. Our students received appreciation for their innovative approaches and technical proficiency. Their participation in such a prestigious competition has motivated them to explore deeper into IoT and related technologies.

EDITORIAL BOARD

Dr. G.Ramaswamy
Headofthe Department
Chief Editor

Mrs. Sree Vijaya Lakshmi
Asst. Professor
Sub Editor

Dr.N.Ch.JayaRao,
Associate Professor
Editor

M.Manasa Student
Editor 21KE1A0566

N.Lakshmi priya
19KE1A0576

T.RathnaCharitha
21KE1A05B6

MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE

Autonomous, Affiliated toJNTUK, Approved by AICTE & Accredited by NBA &
NAAC Pulladigunta (V), Guntur (Dt), Andhra Pradesh-531162.