NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT HOD

Dr. S. Shanthi is a Professor and Head of the Department of Computer Science and Engineering. She completed her Ph.D. from the University of Mysore in 2016.

Prior to her Ph.D., she earned a Bachelor of Engineering (B.E) in Computer Science and Engineering from Madras University, Tamil Nadu, in 2003, and a Master of Engineering (M.E) from Sathyabama University, Chennai, in 2008.

With over sixteen years of academic experience in various reputed institutions in Telangana, her areas of interest include Operating Systems, Computer Networks, Object-Oriented Programming, Information Security, Artificial Intelligence, and Machine Learning. She has published more than 25 research papers in reputed journals and conferences and has organized many international and national conferences and technical workshops. She has published three book chapters and holds three patents. Additionally, she has been a resource person for expert lectures in various domains of Computer Science and Engineering and serves as a reviewer for the Journal of Ambient Intelligence and Humanized Computing. She received the Best Women Faculty Award in 2018 from IASTE and has professional memberships in CSI and ISTE.

INNOVISION - JAN - JUNE (2024-2025)

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Department of Computer Science and Engineering

MISSION

To achieve and impart holistic technical education using the best of infrastructure, outstanding technical and teaching expertise to establish the students into competent and confident engineers.

Evolving the center of excellence through creative and innovative teaching learning practices for promoting academic achievement to produce internationally accepted competitive and world class professionals.

VISION

To acknowledge quality education and instill high patterns of discipline making the students technologically superior and ethically strong which involves the improvement in the quality of life in human race.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1 – ANALYTICAL SKILLS : To facilitate the graduates with the ability to visualize, gather information, articulate, analyze, solve complex problems, and make decisions. These are essential to address the challenges of complex and computation intensive problems increasing their productivity.

PEO2 – TECHNICAL SKILLS : To facilitate the graduates with the technical skills that prepare them for immediate employment and pursue certification providing a deeper understanding of the technology in advanced areas of computer science and related fields, thus encouraging to pursue higher education and research based on their interest.

PEO3 – SOFT SKILLS : To facilitate the graduates with the soft skills that include fulfilling the mission, setting goals, showing self-confidence by communicating effectively, having a positive attitude, get involved in team-work, being a leader, managing their career and their life.

PEO4 – PROFESSIONAL ETHICS: To facilitate the graduates with the knowledge of professional and ethical responsibilities by paying attention to grooming, being conservative with style, following dress codes, safety codes, and adapting to technological advancements.

PROGRAM SPECIFIC OUTCOMES

PROGRAM SPECIFIC OUTCOMES (PSOs): After the completion of the course, B. Tech Computer Science and Engineering, the graduates will have the following Program Specific Outcomes:

PSO1- Fundamentals and critical knowledge of the Computer System:- Able to Understand the working principles of the computer System and its components , Apply the knowledge to build, asses, and analyze the software and hardware aspects of it.

PSO2- The comprehensive and Applicative knowledge of Software Development: Comprehensive skills of Programming Languages, Software process models, methodologies, and able to plan, develop, test, analyze, and manage the software and hardware intensive systems in heterogeneous platforms individually or working in teams.

PSO3- Applications of Computing Domain & Research: Able to use the professional, managerial, interdisciplinary skill set, and domain specific tools in development processes, identify the research gaps, and provide innovative solutions to them.

MRCET – MILLETS DAY(NCC)

The event was not just about learning, but also about having fun. After the poster presentation, the NCC cadets and other attendees enjoyed some tasty refreshments. It was a great way to end the celebration of Millets Day at MRCET College.arketing and he continued with why it is needed and benefits of it.

During the event, the principal, AO Sir, the HOD, and the faculty members interact with the NCC cadets. They talk about the importance of Millets Day and how it promotes healthy eating habits. It's cool to see.

DIGITAL MARKETING FOR STARTUPS-BUILDING AN ONLINE PRESENCE

Department of Computer Science and Engineering has organized a seminar on "Digital marketing for startups :Building an Online presence " to 2nd year students on 13-07-2024 . Dr.D.Damodara Reddy Associate professor of Mechanical Engineering Dept is the resource person for the session and he addressed the students about the importance of the Digital marketing and he continued with why it is needed and benefits of it.

- Understanding Digital Marketing Basics
- Strategic Planning
- Practical Skills Development
- Establishing a brand identity online.
- Creating a user-friendly and SEO-optimized website.
- Importance of mobile responsiveness.
- Content Marketing

7 INTERNATIONAL CONFERENCE ON "SOFT COMPUTING AND SIGNAL PROCESSING

Sri. Ch. Malla Reddy, Founder Chairman (MGRI), has motivated faculty members and authors from various institutions to work hard in life to achieve higher. He feels proud about the college development and student placements. He stated about the development of technologies like 5G, Artificial Intelligence. He insists to upgrade ourselves with current technologies and do more research papers to gain more knowledge. Malla Reddy College of Engineering & Technology has successfully hosted its 7 thInternational Conference on "Soft Computing and Signal Processing" by theDepartment of CSE, IT, AIML and ET on 21 st and 22 nd June 2024.

GRADUATION DAY 2024

The Graduation Day was held on June 15th 2024, at Malla Reddy College of Engg &Technology in the Main Auditorium at 10:30 am. Around 800 graduates with their parents attended the ceremony to celebrate their success on achieving their B.Tech degree. In Computer Science and Engineering around 230 got graduated on first attempt among 260 which was a greatest achievement among all other passed out. The Hon'ble Chief Guest of the programme was Sri. Ch. Malla Reddy, Hon'ble member of Legislative Assembly(MLA), Founder Chairman(MGRI) presided over the function and delivered the presidential address. The other prominent dignitaries on the Dias are: Dr.VSK Reddy, Director, MRCET, Dr.S.Srinivasa Rao, Principal, Dr.T.Venugopal, Dean of students welfare, Dr.S.Shanthi, HOD-CSE and all other department HOD'S.The program has started with an Invocation song followed by Lighting of lamp by the dignitaries.

PATENTS AND INNOVATIONS

Dr. S. Shanthi
Automated Food Freshness Detection Using Feature Deep Learning
Patent Number: 2020100953

Dr. S. Rahamat Basha
Borewell Rescue System Using Supervised Learning Techniques
Patent Number: 202041043122

Dr. M. Sambasivudu, S. Rahamat Basha, M Nirmala
Action and Gesture Recognition System for Children with Cerebral Palsy
Patent Number: 202141013379

Dr. S. Shanthi
An Automated System for Assisting Person of Medical Needs
Patent Number: 201841015460

V. Sangeetha
Blockchain Systems Assisted in Resolving Security Flaws and Risks in the Commercial Internet of Things with the Help of AI and Machine Learning
Patent Number: 202341026303A

Sandeep Agarwal
An Investigation of Consumers Shift Toward E-commerce and M-commerce
Patent Number: 202221052607

B. Sunil
Learning Based Intelligent Method for Students Academic Achievement Prediction
Patent Number: 202341070866