Sri SAIRAM
COLLEGE OF ENGINEERING
Anekal, Bengaluru

Accredited by NAAC
ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi
Affiliated to Visvesvaraya Technological University
www.sairamce.edu.in

SCE
25 years of academic excellence!

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 04/03/2025

REPORT – WORKSHOP ON "MACHINE LEARNING & DEEP LEARNING FOR MEDICAL IMAGE PROCESSING"

Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore has conducted a one-day workshop on "Machine Learning & Deep Learning for Medical Image Processing" on 03/03/2025 for third year ECE students. Mr. A. Thiyagarajan, Trainer, Innovative Engineering Products, Hosur has been invited as Chief Guest for this workshop.

The Workshop has been inaugurated on 03/03/2025 with the presence of Dr. B. Shadaksharappa, Principal, Sri Sairam College of Engineering, Bangalore, Dr. A. Poonguzhali, Head of the Department, Department of Electronics and Communication Engineering, Sri Sairam College of Engineering, Bangalore, Faculty members and students in Seminar Hall. The gathering has been welcomed, and the Resource Person is felicitated by Dr. B. Shadaksharappa, Principal, and Dr. A. Poonguzhali, Head of the Department of ECE, and Principal sir addressed the students about the importance of image processing and how it is used in medical image processing, followed by the speech of the resource person Mr.A.Thiyagarajan.

On forenoon, oral session has been conducted on understanding of, Machine Learning and Deep learning for medical image Processing, they have covered the topics of What is AI, Examples of AI, Types of Algorithms used in AI, How machine learning is explained in AI, , Need for Machine Learning, Types of machine learning algorithms, and how the machine learning Algorithms work, Deep Learning concepts, How a machine learning and Deep learning Algorithms are used in Medical Image Processing Applications. Real time project of Brain tumor detection using machine learning and deep learning concepts were explained elaborately.

On Afternoon, Hands-on session has been given on the topics like Machine learning, Deep learning in brain tumor detection. Project based on Brain tumor is explained with their software libraries inbuilt in deep learning and machine learning using Python. Students has actively Participated in hands on session and learnt the coding and the concept of algorithms used in the project. Students requested to conduct more events on such core topics and interested