



DEPARTMENT OF CSE - DATA SCIENCE

Event: “Machine Learning in Healthcare – From Data to Decisions”

Venue: Room C 204

Time-11:00 AM-1:00PM



Department of Computer Science and Engineering (Data Science)

Workshop

Machine Learning in Healthcare

From Data to Decisions



10th October 2025



11:00 AM - 01:00 PM



Room C 204



3rd Semester Students



Mr. Pavan Nanjundaiah

Founder & MD
Talentronics Infotech

Coordinator

Ms. Swati Sehgal

Assistant Professor - CSE(DS)

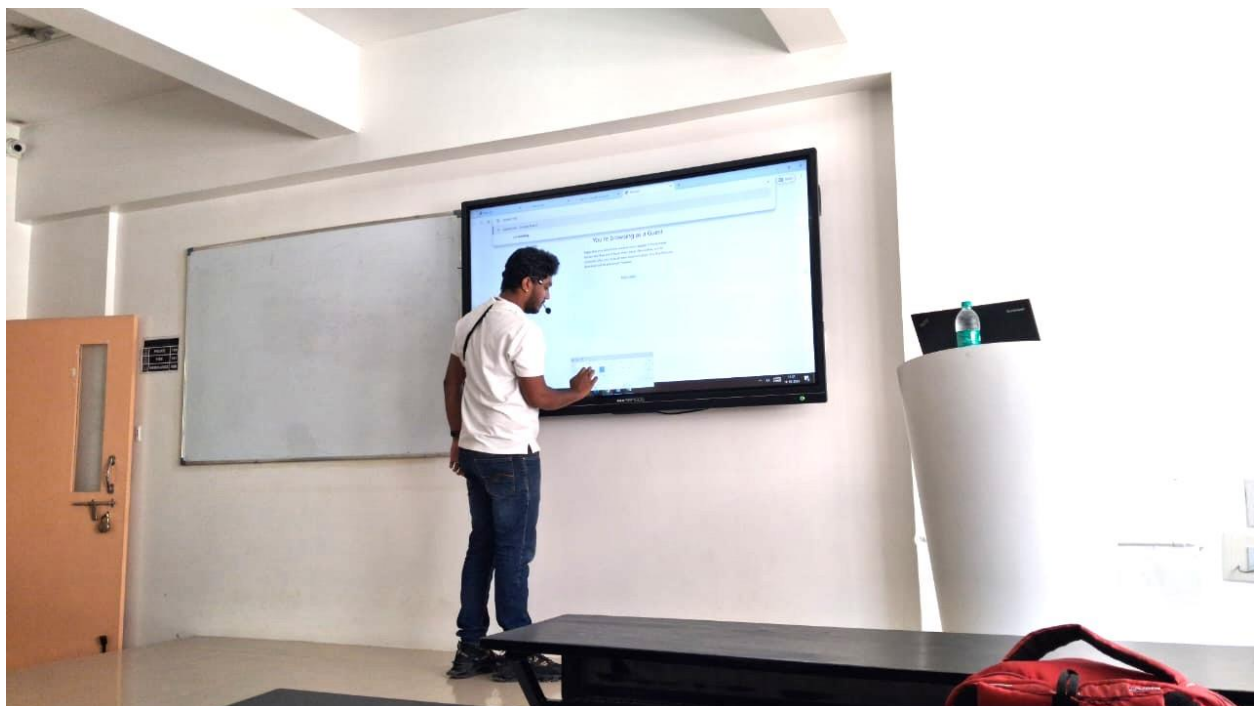
Convenor

Dr. B Swathi

HoD - CSE(DS)

The Department of Computer Science and Engineering (Data Science), New Horizon College of Engineering, organized a workshop titled “**Machine Learning in Healthcare – From Data to Decisions**” on **10th October 2025** for **3rd-semester students**. The session was conducted by **Mr. Pavan Nanjundaiah**, Founder and Managing Director of **Talentronics Infotech**.

Mr. Pavan began the session by emphasizing how data-driven technologies are reshaping the healthcare industry. He explained that the fusion of **Machine Learning (ML)** and **Artificial Intelligence (AI)** with healthcare is enabling faster diagnosis, personalized treatment, and improved patient outcomes. He gave a comprehensive introduction to how data collected from medical imaging, wearable devices, and electronic health records can be transformed into actionable insights through ML algorithms.







He discussed the **key machine learning techniques** such as supervised and unsupervised learning, regression, classification, and clustering, and how each plays a role in solving healthcare challenges like disease prediction, image analysis, and patient risk assessment. Mr. Pavan also explained the **data preprocessing** stages such as cleaning, feature selection, and normalisation-highlighting their importance in ensuring model accuracy and reliability.

Throughout the workshop, he shared real-world examples where ML has been applied in healthcare - from **early cancer detection systems, drug discovery models, to predictive analytics for patient monitoring**. He also touched upon **ethical and privacy concerns**, reminding students of the need for secure handling of medical data and compliance with healthcare regulations.

Mr. Pavan encouraged students to explore **interdisciplinary research** that bridges computer science with medical applications. He emphasized that data science and machine learning professionals have vast opportunities in healthcare technology startups, hospitals, and research institutions.

The session concluded with an engaging **Q&A segment**, where students interacted actively, asked questions about project ideas, and discussed possible use cases of ML in healthcare data analysis.

Overall, the workshop provided a **valuable learning experience**, enhancing students' understanding of how artificial intelligence can be leveraged to make informed healthcare decisions. The session not only expanded their technical knowledge but also inspired them to apply ML concepts for social good, particularly in improving healthcare accessibility and precision medicine.



Faculty Coordinator

Assistant Prof.

Ms. Swati Sehgal



Convener

HoD-CSE-DS

Dr. B Swathi