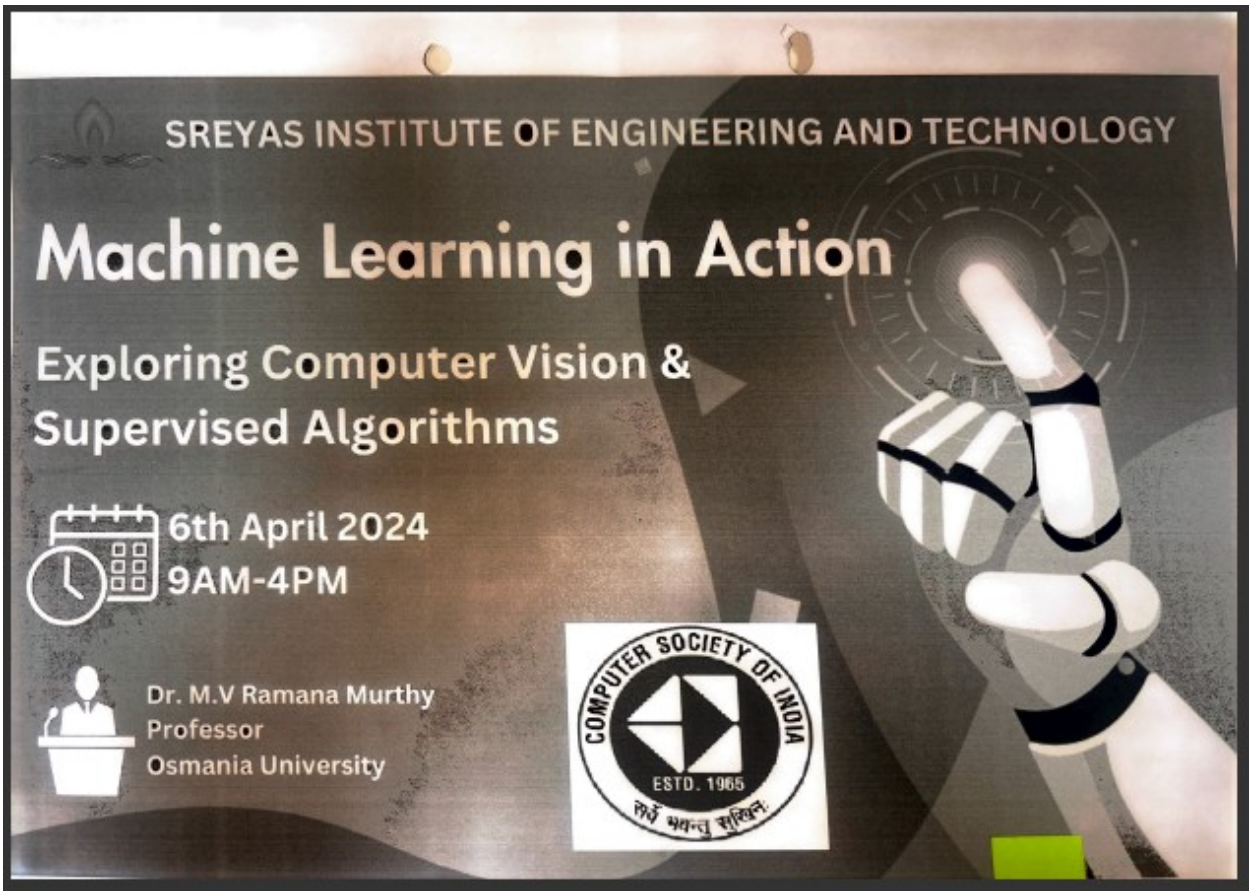
SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
Machine Learning in Action
Exploring Computer Vision &
Supervised Algorithms
6th April 2024
9AM-4PM
Dr. M.V Ramana Murthy
Professor
Osmania University
COMPUTER SOCIETY OF INDIA
ESTD. 1965

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Summary on Machine Learning and Computer Vision

On April 6, 2024, Dr. **M.V. Ramana Murthy**, a distinguished expert in artificial intelligence, delivered an enlightening seminar on **Machine Learning and Computer Vision**. The session covered cutting-edge advancements, practical applications, and challenges in the integration of machine learning techniques with computer vision technologies.

Dr. Murthy explained the fundamental principles of machine learning and their application to solving complex computer vision problems, such as object detection, image segmentation, and facial recognition.

Dr. Murthy shared impactful projects showcasing how computer vision is transforming industries:

1. **Healthcare:** AI-driven imaging tools for diagnosing diseases like cancer.
2. **Retail:** Customer behavior analysis using vision-based systems.
3. **Agriculture:** Monitoring crop health with drone-based image processing.

The seminar included practical demonstrations of training machine learning models for object classification and scene understanding, offering participants hands-on insights.

Dr. Murthy engaged with attendees, answering questions on emerging research opportunities, tools for beginners, and best practices for building robust AI systems.

Dr. M.V. Ramana Murthy's seminar provided an in-depth understanding of the transformative potential of machine learning in computer vision. His expertise and practical insights inspired participants to explore innovative solutions and address real-world challenges using these powerful technologies. The session was highly informative and well-received by attendees from diverse technical backgrounds.