

**COMPUTER SCIENCE**

# **GUEST LECTURE**



Estd: 1853

**2024**

# GOVERNMENT COLLEGE (A) RAJAHMUNDRY



## DEPARTMENT OF COMPUTER SCIENCE

Brief Report on Guest Lecture

### INDUSTRIAL USE CASES OF MACHINE LEARNING

**Date:** 6-07-2024

**Venue:** Digi Hub Lab

**Organizing Committee:**

Dr. D Suneel Kumar (Incharge of Computer Science department)

U.Sandhyarani

H.Devaraju

P.Narasingarao

D.Seetharamulu

#### Objective

Understand the Role of ML in Industry and Explore Specific Use Cases

#### Outcome

Participants will develop critical evaluation skills to analyze the implications of ML technologies for business strategies and operational processes, and address ethical and practical considerations associated with their implementation.

#### About the program:

The Department of Computer Science organized an educational and interactive online 'Guest Lecture' on 6<sup>th</sup> July, 2024 at 3.00 p.m. in Digi-Hub Lab. The Guest speaker was Lakshmi Sarvani Videla, Lecturer in Computer Science, SRR & CVR Government Degree College(A) Vijayawada. She is an eminent scholar and has vast experience & knowledge in the field machine learning, Deep learning and Artificial Intelligence. The Topic of this lecture was

"Industrial use cases Machine Learning". The event began with welcome address by Dr. Suneel Kumar Duvvuri, Head, Department of Computer Science. He introduced the guest speaker before the audience.

The need for Machine Learning with the Real time applications was considered as the key area. The expert speaker Lakshmi Sarvani Videla, started her talk by giving introduction about machine Learning. Then she explained the differences between Artificial Intelligence and Machine Learning, the two hot buzz words in the current market and why Machine Learning is required. Later she covered various use cases where Machine Learning is applicable. The use cases were Real time like, Recommendation Systems, Prediction based on history (Real Estate),etc. She continued the talk with the Machine Learning Techniques which includes Regression, Classification, Clustering. She explained about extracting the features and classification with real time examples. She discussed about the gmail spam detection. Further he spoke about the training data sets and learning algorithms.

Speaker concluded the lecture by emphasizing that the integration of ML into industrial applications is not just about technological advancement but also about strategic implementation. Successful adoption requires a clear understanding of business objectives, data quality, and the ability to interpret and act on ML insights.

During the Q&A session, Lakshmi Sarvani Videla, addressed questions related to the ethical considerations of ML in decision-making, the challenges of data privacy, and the future trends in ML applications. She highlighted the importance of responsible AI practices and continuous monitoring to ensure that ML systems are used ethically and effectively.

Around 49 participants comprising students of B.Sc Computer Science and M.Sc Computer Science programs running in our college, and all the queries put forward by the audience were categorically addressed by the expert. The audience found it very informative and quite relevant to their subjects. The lecture was concluded with a vote of thanks by Sandhya rani Uppalapati. The program was actively supported by all the members of the Department.

Gallery:



**Fig 1: Guest Speaker Introducing AI and Machine Learning**



**Fig 2: Speaker Addressing Student Queries**



Govt. College Autonomous, Rajahmundry  
Department of Computer Science  
Guest Lecture

S.No	Name of the Student	Group	Signature
1	Nadipalli Mounika	1 <sup>st</sup> Msc Computers	Mounika
2	Nallavula Siva Praveen	1 <sup>st</sup> Msc Computers	N. Siva Praveen
3	Benjamin Harshitha	1 <sup>st</sup> Msc Computers	B. Harshitha
4	Bade Santhoshi	1 <sup>st</sup> Msc Computers	B. Santhoshi
5	Sukkineddy Meghana Sai Lakshmi	1 <sup>st</sup> Msc Computers	S. Meghana Sai Lakshmi
6	Mallipudi Mani Jyothi	1 <sup>st</sup> Msc Computers	M. Mani Jyothi
7	Y. Asha Jyothi	1 <sup>st</sup> Msc (CS)	Asha
8	P. Manikanta	1 <sup>st</sup> Msc (CS)	Mani
9	N. Ankitha	1 <sup>st</sup> Msc (CS)	Ankitha
10	Ch. Teeneesh	1 <sup>st</sup> Msc (CS)	Teeneesh
11	K. Harika	1 <sup>st</sup> Msc (CS)	K. Harika
12	M. Nani Venkata Lakshmi	1 <sup>st</sup> Msc (CS)	M.N.V. Lakshmi
13	T. Anuradha	1 <sup>st</sup> Msc (CS)	T. Anuradha
14	E.V.S. Krishna	1 <sup>st</sup> Msc (CS)	E.V.S. Krishna
15	G. Ravikumar	1 <sup>st</sup> Msc (CS)	G. Ravikumar
16	M. Setu	1 <sup>st</sup> Msc (CS)	M. Setu
17	B. Jaya Kiran	1 <sup>st</sup> Msc (CS)	B. Jaya Kiran
18	Allarapu Madhu	1 <sup>st</sup> Msc (CS)	Madhu
19	B. Mounika	2 <sup>nd</sup> Bsc (C.S)	B. Mounika
20	Kolukuluri Harathi	2 <sup>nd</sup> Bsc (C.S)	K. Harathi
21	Galle Sunitha	2 <sup>nd</sup> Bsc (C.S)	G. Sunitha
22	Bicili Sravani	2 <sup>nd</sup> Bsc (C.S)	B. Sravani
23	Potluri Hemamalika	2 <sup>nd</sup> Bsc (C.S)	P. Hemamalika
24	Balla Venkata Lakshmi	2 <sup>nd</sup> Bsc (C.S)	B. Venkata Lakshmi
25	Degapati Supriya	2 <sup>nd</sup> Bsc (C.S)	D. Supriya