

TITLE: INTRODUCTION TO RETRIEVAL AUGMENTED GENERATION(RAG): COMBINING MACHINE LEARNING AND NLP

DATE: 15.2.2025 & 16.2.2025

RESOURCE PERSON NAME: PRADEESH KUMAR G

RESOURCE PERSON MOBILE NO.:9994657608

OBJECTIVE OF THE EVENT:

Introduction to Retrieval-Augmented Generation (RAG)." In today's rapidly evolving field of Artificial Intelligence, staying updated with the latest advancements is essential. Retrieval-Augmented Generation (RAG) is a cutting-edge AI technique that enhances language models by integrating external knowledge retrieval, significantly improving their accuracy and contextual understanding.

THE PARTICIPANTS: AI-DS 2nd YEAR A , B & C

PHOTOS OF THE EVENT:

SEC202502DA102

Sri SAIRAM ENGINEERING COLLEGE
An Autonomous Institution
West Tambaram, Chennai - 44
www.sairam.edu.in

DEPARTMENT OF
ARTIFICIAL
INTELLIGENCE &
DATA SCIENCE

Cordially Invite You for a
**INTRODUCTION
TO RETRIEVAL AUGMENTED
GENERATION(RAG): COMBINING
MACHINE LEARNING AND NLP**

Resource Person
PRADEESH KUMAR G
ML ENTHUSIAST

Hosting on Date 14.02.2025
& 15.02.2025
at 7.00 P.M to 7.45 P.M

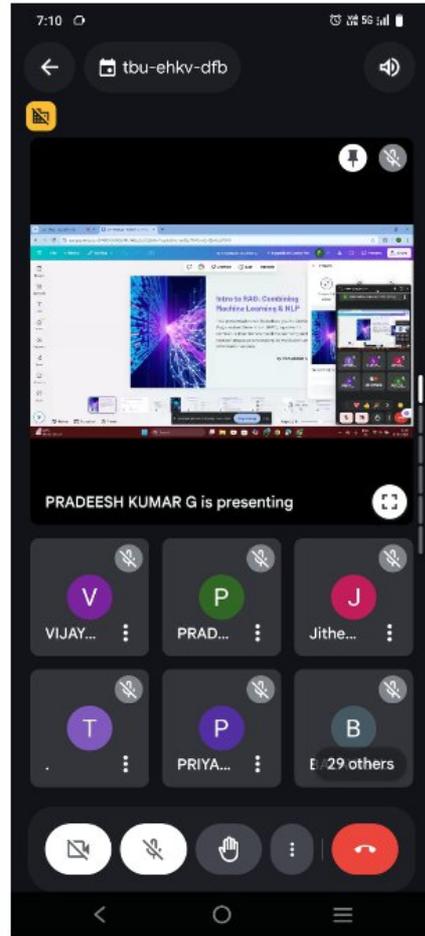
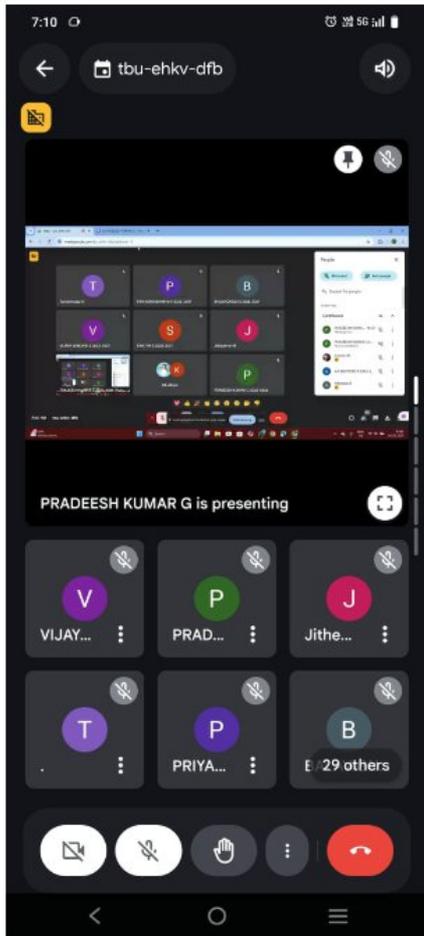
Ms. Tamizhmalari D
Co-ordinator

Dr.Swagata Sarkar
HOD/AI & DS

Dr. J. Raja
Principal

Dr. Sai Prakash LeoMuthu
Chairman & CEO
Sairam Institutions

Sairam RAISE EOMS Sairam SDG ACTION nif NRI NAAC



WEBSITE LINK OF THE EVENT:

ABOUT THE EVENT WITH OUTCOME OF THE EVENT

VENUE: G-MEET Link

<https://meet.google.com/tbu-ehkv-dfb>

Meet
Real-time meetings by Google. Using your browser, share your video, desktop, and presentations with teammates and customers.
meet.google.com

Dear students, Introduction to Retrieval Augmented Generation(RAG) , upskilling program scheduled at today 7.00 P.M to 7.45 P.M . To join the video meeting, click this link:
<https://meet.google.com/tbu-ehkv-dfb>

To join by phone instead, dial (US) +1 518-759-2500 and enter this PIN: 313 591 401#

12:46 PM ✓✓

Introduction:

Mr. Pradeesh, a 3rd-year student specializing in AI & DS, as Resource Person of the session. Mr. Pradeesh's dedication and expertise in Machine Learning and AI are truly inspiring. He has successfully conducted an ML workshop with over 105 participants, secured a Top 5 Finalist spot at a National AI Conference, and been a Top Participant in the Smart India Hackathon (SIH), ranking within the Top 500 in All India rank.

Key Highlights of The Session:

Participants will start by understanding the fundamental concepts of Retrieval Augmented Generation (RAG) and its applications in combining Machine Learning and Natural Language Processing (NLP). The session will cover the use of Large Language Models (LLMs) and how they can be augmented with external data sources to enhance their capabilities. Attendees will learn about the integration of vector databases and language embeddings in RAG applications. Practical demonstrations will showcase the development of RAG systems using popular frameworks and tools, providing hands-on experience in building effective RAG applications.

Conclusion:

The session on "Introduction to Retrieval Augmented Generation (RAG): Combining Machine Learning and NLP" was highly insightful and enriching. Participants gained a comprehensive understanding of RAG, its applications, and the integration of machine learning with natural language processing. Through practical demonstrations, attendees were able to see the real-world impact of RAG and learned how to implement it using popular frameworks and tools. The hands-on exercises provided valuable experience, empowering participants to apply their newfound knowledge to their own projects. Overall, the event successfully equipped attendees with the skills and insights needed to leverage RAG in their work.

FEEDBACK ANALYSIS OF THE EVENT:

Any overall feedback for the event?

[Copy](#)

51 responses

