

GUEST LECTURE on  
GENERATIVE AI & AGENTIC AI

Organized by: Department of Computer Science and Applications

20 JUNE, 2025

### **Report**

The Department of Computer Science & Applications UG organized a Guest Lecture on "Generative AI and Agentic AI" on June 20 th, 2025 for B.sc (Ds &AI) students. The Resource Person is DR. Rajesh Kumar Varma Senior Technology Architect Ai code bees, Hyderabad.

Generative AI creates new content like text and images from prompts, while agentic AI operates autonomously to achieve goals by making decisions and performing actions without human intervention. Generative AI is primarily reactive and content-focused, whereas agentic AI is proactive, capable of planning, executing multi-step tasks, and integrating with other systems to reach a goal. Agentic AI can leverage generative AI as a tool within its larger autonomous framework.

#### Generative AI

**Purpose:** To create new content, such as text, images, music, code, and more, based on patterns learned from training data.

**Functionality:** It's a reactive system that generates output in response to prompts or inputs.

**Examples:** ChatGPT for generating text, DALL-E for creating images.

#### Agentic AI

**Purpose:**

To achieve specific goals by making decisions, planning, and executing actions autonomously in dynamic environments.

**Functionality:**

It's a proactive system that acts independently, manages workflows, and adapts to new circumstances.

**Examples:**

Self-driving cars making real-time decisions to navigate roads, robotic systems performing tasks, or AI assistants scheduling appointments.

Agentic AI systems can leverage Generative AI to create the content or information needed for their tasks.

For example, an agentic AI managing a marketing campaign might use generative AI to draft advertising content and then use its own decision-making capabilities to launch and adjust the campaign based on performance data.

The combination of these approaches creates intelligent collaborators capable of both content creation and autonomous action to achieve complex objectives.





Dr. G. Krishnaveni, Principal, Mr. P.L. Ramesh, Vice Principal, and Mr. P. Ravindra HOD of Computer Science and Application and other faculty members felicitated the resource person is Dr. Rajesh Kumar Varma Senior Technology Architect Ai code bees, Hyderabad.

**Guest Lecture**

**GENERATIVE AI & AGENTIC AI**

Organized by  
**DEPARTMENT OF  
COMPUTER SCIENCE & APPLICATIONS**

**JUNE  
20TH**

**09:00  
A.M.**

**UG - SEMINAR**

**Speaker**

**Dr. Rajesh Kumar Verma**  
SENIOR TECHNOLOGY ARCHITECT  
AI  
CODEBEES, HYDERABAD

