



**J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**(UGC AUTONOMOUS)**

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Yenkapally (Vi), Moinabad (M). P.O. Himayat Nagar, RR District, Hyderabad 500075

**Departments of AIDS & CSE(DS)**

**Academic Year: 2025-26**

Ref: JBIET/2025/AIDS &CSE(DS)/ADDON-1

Date: 08-09-2025

**CIRCULAR**

Departments of AIDS & CSE(DS) - JBIET is organising a Add-On Skill on **“Prompt Engineering”** on 09<sup>th</sup> September 2025 (Tuesday) at 02:00 PM in Lab No. D101 and D105, Data Science Block - JBIET.

The lecture will be delivered by **D. Sainath Goud and B. Karthikeya - Team WrangleX**

All students of AIDS & CSE(DS) II and III years are informed to attend the Add-On Skill and get benefited by the lecture.

**Dr. Roshan Kavuri**

HOD AI&DS

JBIET, Hyderabad

**Copy to**

- 1) Principal
- 2) Dean CD
- 3) Dean CSE
- 4) AO
- 5) HODS
- 6) System Admin



# **Add-On Skill on Prompt Engineering Report**

**Date: 10<sup>th</sup> Sept 2025**

**Module Number: 1**

**Key Topics Covered:**

- Introduction to Prompt Engineering
- Applications of Prompt Engineering for Engineers
- Good vs. Bad Prompts with Examples
- Core Principles: Clarity, Context, Constraints, Role Assignment, Iteration
- Zero-shot and Few-shot Prompting
- Chain-of-Thought and Self-Consistency Prompting
- Role-based, Meta, and Generated Knowledge Prompting
- ReAct, Tree-of-Thought, and Reflexion Prompting
- Software Engineering, Data Science, and Research Applications
- Common Mistakes & Best Practices
- Ethical Considerations in AI Prompting

**Resource Person(s):**

- Mr. D. Sainath Goud
- Mr. B. Karthikeya

**Duration: 2 Hours**

**Mode of Delivery:** Face to Face

**Target Audience:** Students of Artificial Intelligence & Data Science (AI&DS) and  
Computer Science Engineering (Data Science)

**Number of Participants:**

50 students under Mr. D. Sainath Goud

50 students under Mr. B. Karthikeya

**Total:**

100 Students



## Venue:

D101 Lab – Data Science Block – JBIET

D105 Lab – Data Science Block – JBIET

## Objectives of the Course Module:

- To introduce students to the fundamentals and advanced concepts of Prompt Engineering.
- To provide hands-on practice in designing effective prompts for Large Language Models (LLMs).
- To enable students to apply prompting techniques in coding, data analysis, research, and creative problem-solving.
- To make students aware of common pitfalls, ethical issues, and best practices in prompt engineering.

## Expected Learning Outcomes of the Module:

By the end of the module, students were able to:

- Understand the importance of prompt engineering in optimizing AI interactions.
- Design clear, contextual, and constraint-based prompts for specific tasks.
- Apply advanced techniques such as few-shot prompting, chain-of-thought reasoning, and reflexion prompting.
- Use prompt engineering for software development, data science, research, and creative engineering applications.
- Identify and avoid common mistakes, ensuring responsible and ethical AI use.

# GALLERY





## Summary:

The Add-on Course on Prompt Engineering was impactful, combining conceptual understanding with hands-on practice. Students appreciated real-world use cases, coding tasks, and live demos. The sessions emphasized clarity, context, and constraints in prompt creation and were interactive and industry-focused, helping students apply prompt engineering in academic and professional settings.

  
 Signature of the HOD