AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to J.N.T.U-GV, Vizianagaram)

NAAC "A+" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist) - 531162.

www.aietta.ac.in | principal@aietta.ac.in

Lr No. Circular/AIET/632 **Date: 21-08-2025**

CIRCULAR

All the students of IV B. Tech - CSE-Data Science are hereby informed that there held a One Week-Workshop & Hackathon on "Prompt Engineering" in AIET in association with Brain-O-Vision Solutions Pvt. Ltd.

PRINCIPAL

Copy to:

Director-HR

Administrative Officer

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INSTITUTION'S INNOVATION COUNCIL (IIC) - SELF-DRIVEN ACTIVITY REPORT

Title of the Program	Prompt Engineering Workshop & Hackathon
Organized by	Department of Computer Science & Engineering (CSD)
In Association with	Brain-O-Vision Solutions Pvt. Ltd.
Duration	1 Week (25th Aug, 2025 to 31st Aug, 2025)
Target Audience	IV Year CSD Students
Venue	CSMD Seminar Hall

Objective

The objective of this one-week workshop and hackathon was to introduce students to the emerging field of Prompt Engineering and its applications with Large Language Models (LLMs). The program aimed to equip students with hands-on skills in crafting effective prompts, understanding how AI models respond to them, and applying these techniques to solve real-world problems. The concluding hackathon provided students with an opportunity to apply their learning through team-based projects.

Report

The workshop was conducted in association with Brain-O-Vision Solutions Pvt. Ltd., a leading organization in AI-based solutions and industry training.

Day 1 (Mr. Obul) - Introduction to LLMs & Prompt Basics:
Basics of Large Language Models (LLMs), training, and architecture. Capabilities, limitations, and working of prompts. Hands-on with simple prompts for text generation.

Day 2 - Prompt Engineering Foundations:
Zero-shot, one-shot, and few-shot prompting. Chain-of-thought prompting and role of context. Practicals on summarization, translation, and Q&A using prompts.

Day 3 - Advanced Prompt Techniques:
Prompt tuning, system prompts, delimiters, and structured output. Hands-on creative writing, role-playing, and structured data generation.

Day 4 - Applications & Prompt Optimization:
Real-world applications in chatbots, content generation, and coding assistants. Ethical considerations, bias, and prompt evaluation. Practicals: Building a mini chatbot, customer support bot, and refining prompts.

Day 5 - Hackathon & Project Showcase:
Students formed teams and brainstormed project ideas. Hackathon on building projects using prompt engineering techniques. Projects included AI tutors, quiz generators, chatbots, and automation tools. Project demonstrations, feedback from mentors, and closing ceremony.

Students actively participated in both the hands-on sessions and the hackathon, showcasing creativity and problem-solving skills. Students shared positive feedback, highlighting that the workshop gave them a clear understanding of prompt engineering and its role in AI, confidence in building practical applications using LLMs, and exposure to team-based project work during the hackathon.

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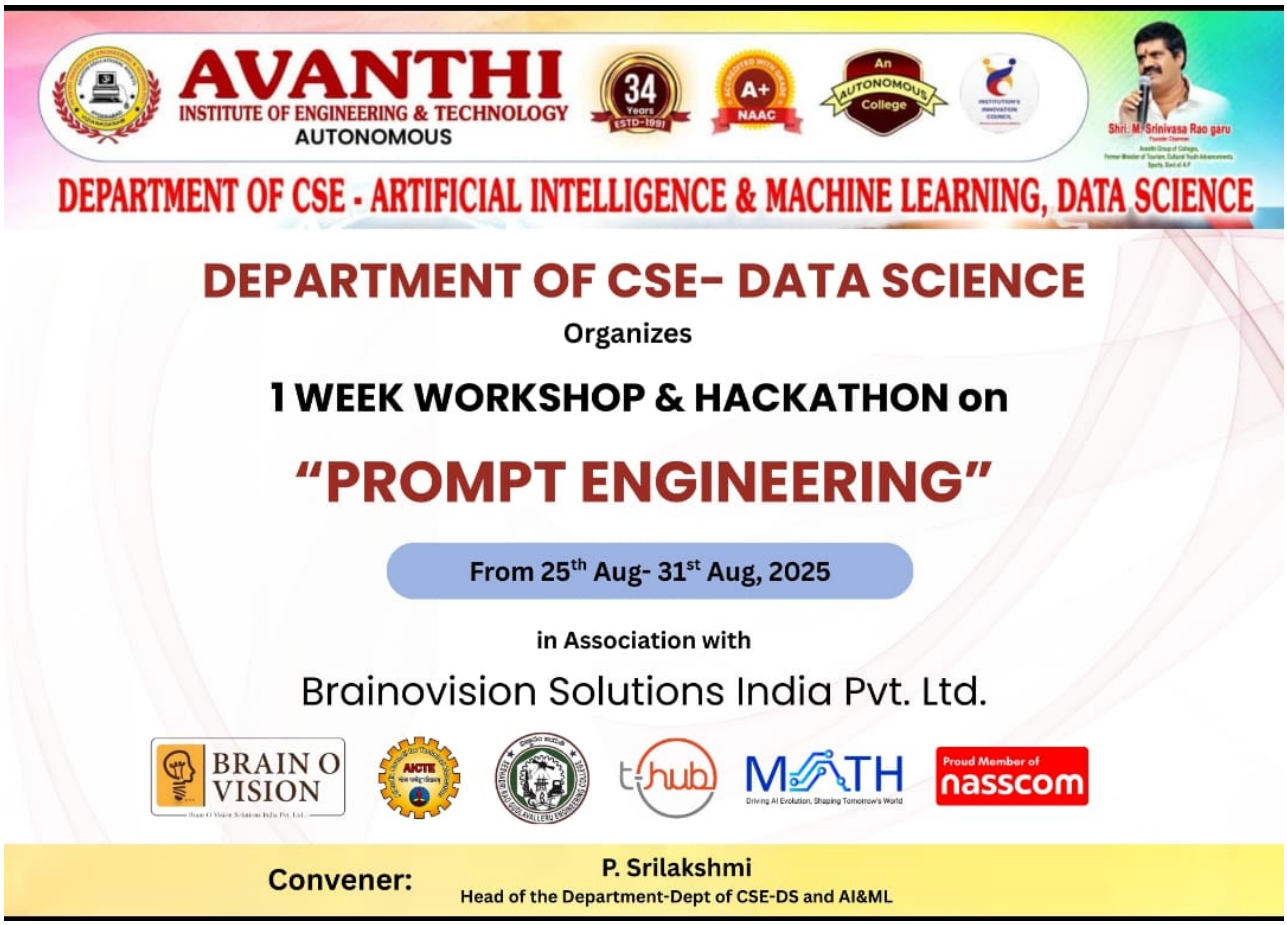
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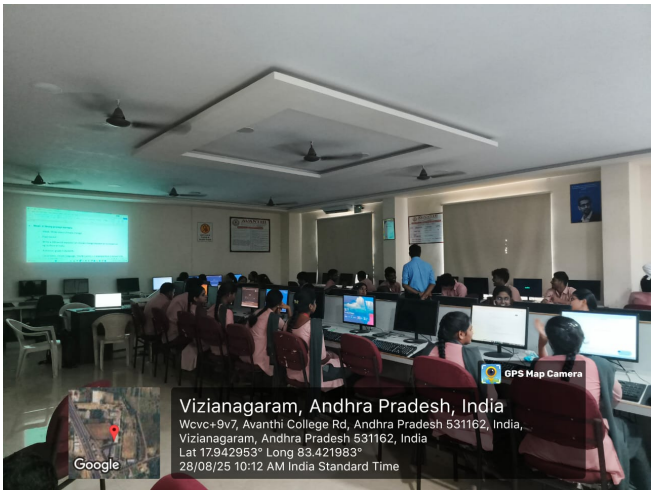
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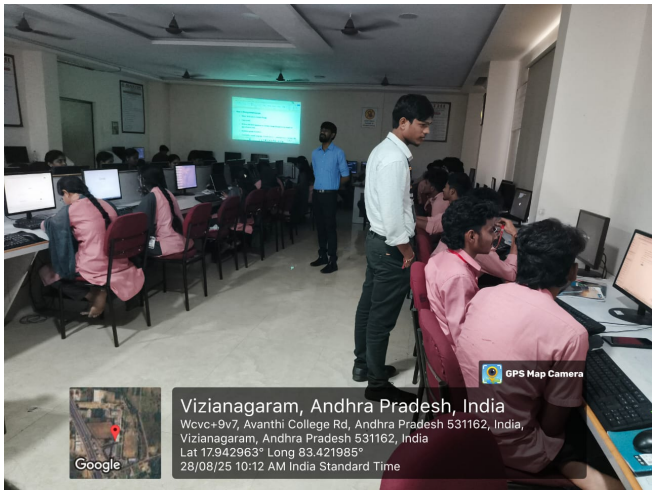
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Program Poster & Workshop Photographs







Program Outcomes & Summary

- Students gained knowledge of prompt engineering techniques and their importance in AI workflows.
- Hands-on practice enabled them to design effective prompts for various applications.
- Hackathon experience enhanced teamwork, creativity, and problem-solving abilities.
- Exposure to real-world AI applications strengthened their readiness for industry roles.
- Strengthened industry-institute collaboration with Brain-O-Vision Solutions Pvt. Ltd.

The 1-week workshop and hackathon on Prompt Engineering in association with Brain-O-Vision Solutions Pvt. Ltd. was highly successful. It provided CSM students with a strong foundation in prompt engineering, practical application skills, and exposure to real-world projects. The hackathon encouraged innovation and collaboration, motivating students to explore careers and research in the field of Artificial Intelligence.

In Collaboration with Institution's Innovation Council (IIC)

In collaboration with Institution's Innovation Council (IIC), accelerators and incubation opportunities provide numerous benefits, including:

- Promoting Innovation: Encouraging students and faculty members to develop innovative solutions and startup ventures.
- Supporting Entrepreneurship: Providing resources, mentorship, and funding to support entrepreneurial endeavors.
- Fostering Collaboration: Facilitating collaboration between academia and industry, enabling the development of practical solutions to real-world problems.
- Economic Growth: Contributing to economic growth by supporting the development of new ventures and creating employment opportunities.

By collaborating with IIC, institutions can create a supportive ecosystem for innovation and entrepreneurship, ultimately driving growth and development.

Head, Dept. of CSD **HoI** **IIC President**