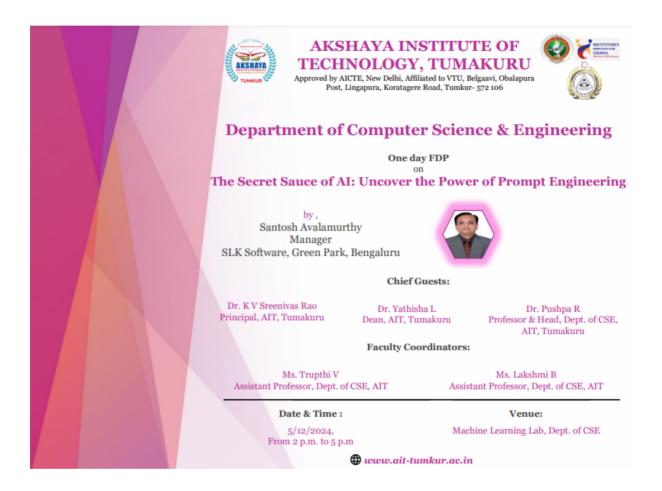# REPORT ON

"The Secret Sauce of AI: Uncover the Power of Prompt Engineering"

The Faculty Development Program was arranged on 5th December 2024 at 10.00 a.m. from Department of Computer Science and Engineering , Akshaya Institute of Technology.

Program started with the Master of Ceremony by Ms Lakshmi B, Assistant Professor, Department of Computer Science and Engineering

Invited Resource person - Mr. Santhosh Avalamurthy.

Invited Chief Guests:

1. Dr.K.V.SreenivasRoa, Principal, Akshaya institute of Technology.
2. Dr.Yathisha.L, Academic Dean of Akshaya institute of Technology.
3. Dr. DrPushpa R, Professor &Head of the Department, Computer science and Engineering.

Then with the Inauguration Dignitaries are welcomed by Welcome speech by Ms Lakshmi B, Assistant Professor, Department of Computer Science and Engineering

In the world of Artificial Intelligence (AI), one of the most transformative and yet often overlooked aspects is **prompt engineering**. If you've ever interacted with AI models like GPT-3 or GPT-4, you've likely noticed that how you phrase a question or request can dramatically influence the quality of the response you get. This is no coincidence—it's the magic of prompt engineering.

What Is Prompt Engineering?

Prompt engineering refers to the practice of carefully crafting inputs (prompts) to guide an AI model's output in the desired direction.

It's akin to giving the AI a set of instructions that help it understand exactly what you need. The term is often used in natural language processing (NLP), but its principles can be applied across various AI technologies that rely on prompts to generate or analyse data.

Why Prompt Engineering Matters

1. **Improved Accuracy**: By structuring prompts in a precise manner, you can reduce ambiguity, helping the AI model produce more accurate and relevant responses. For example, asking, "Explain the difference between a hurricane and a tornado," will yield more specific results than simply asking, "What are the differences in weather systems?"

2. **Enhanced Creativity**: With the right prompts, AI can assist in creative endeavours, from brainstorming ideas to generating stories, poems, or even code. The key is in how the prompt encourages the model to think about the problem.

3. **Time Efficiency**: A well-crafted prompt saves time by quickly generating relevant results, avoiding the need for multiple revisions or clarifications. By thinking ahead and experimenting with different ways of asking questions, users can avoid unnecessary back-and-forth.

4. **Contextual Control**: Good prompts give you control over the tone, detail level, and format of the response. Whether you need a formal explanation, a step-by-step guide, or even a humorous take, prompt engineering can shape the AI's output to fit your needs

Small token of thanks was given by Dr. Pushpa R, Professor & Head , Computer science and Engineering on behalf of CSE department and AIT Management.

Program ended by Vote of thanks by Ms Vinutha P H, Assistant Professor, Department of Computer Science and Engineering at 5:00 p.m.