

A Report on One-day workshop on
“Beginner's Guide to Agentic AI: Creating Intentional AI”
Organized by Department of CSE-Artificial Intelligence & Machine Learning
on 22.08.2025



Report Submitted by: Mr. Udayakumar.P, Assistant Professor, Department of CSE-Artificial Intelligence & Machine Learning.

Resource Person Details: Dr. Parthasarathy G, Associate Professor, Vellore Institute of Technology, Vellore.

Participants: CSE- AI and ML (71 Students)

Venue: Seminar Hall-A (South Block) and NPN005, NPN Block

Mode of Conduct: Offline

Report Received on 04.09.2025.

The Department of Computer Science and Engineering (AI and ML), organized a one-day workshop on “*Beginner's Guide to Agentic AI: Creating Intentional AI*” on 22nd August 2025 at Seminar Hall-A (South Block) and NPN005 (NPN Block), Madanapalle Institute of Technology & Science (MITS), Madanapalle. The workshop was conducted from 09:30 A.M. to 5:00 P.M. and aimed to provide students with foundational knowledge of Agentic AI and its applications in real- world domains.

Welcome Address:

The event commenced with a warm welcome address by **Dr. R. Praveen Kumar**, Assistant Professor, Department of CSE (AI and ML), MITS. He welcomed the resource person and participants, highlighting the importance of Agentic AI in bridging the gap between academia and industry, and preparing students for future AI-driven challenges.

Keynote Address:

The keynote address was delivered by **Dr. S. Padma**, Associate Professor & Head, Department of CSE (AI and ML). She emphasized the importance of understanding emerging AI paradigms, encouraged students to adopt agentic AI concepts for future research, and highlighted how intentional AI could redefine problem-solving in industries.

Resource Person Lecture:

Thesessions were delivered by **Dr. G. Parthasarathy**, Associate Professor, VIT, Vellore. His sessions were highly interactive and covered the following aspects:

- **Introduction to Agentic AI:** Foundations, principles, and the evolution from traditional AI to autonomous, goal-driven systems.
- **Intentional AI Systems:** Approaches to creating AI agents with decision- making, adaptive capabilities, and reasoning power.
- **Agent Architectures:** Discussion on reactive, deliberative, and hybrid models, highlighting their strengths and applications.
- **Applications of Agentic AI:** Real-world use cases in **healthcare, education, robotics, and smart cities** were explored.

Practical Sessions - To complement the theoretical sessions, **hands-on demonstrations** were conducted where students actively participated in building and testing simple agent-based models. The activities included:

- Designing rule-based agents for decision-making scenarios.
- Simulating environment-aware agents capable of adaptive responses.
- Case studies on how agentic AI could solve real-world problems such as traffic management and smart healthcare monitoring.
- Live demos using available AI frameworks and tools to showcase **agent- based problem-solving approaches**.

The participants engaged enthusiastically in discussions, case-based exercises, and live coding demonstrations. These sessions encouraged critical thinking, teamwork, and innovative application of AI concepts, giving students **practical exposure to intentional AI design** beyond classroom learning.



Memento Presentation:

As a token of appreciation, **Dr. S. Padma**, Associate Professor & Head, Department of CSE (AI and ML), presented a **memento** to **Dr. G. Parthasarathy**, thanking him for his valuable contribution and insightful sessions.

Vote of Thanks:

The program concluded with a heartfelt vote of thanks by **Dr. R. Praveen Kumar**, Assistant Professor, Department of CSE (AI and ML). He expressed sincere gratitude to the speaker, the management of MITS, the convenors, coordinators, and all student participants for their enthusiastic support and cooperation.

Outcomes:

At the end of Program, Students can able to,

1. Understand the fundamentals of Agentic AI and intentional AI design.
2. Gain exposure to different agent architectures and their applications.
3. Explore real-world use cases of Agentic AI in multiple domains.
4. Develop critical thinking towards building autonomous and goal-driven AI models.
5. Enhance hands-on skills in designing agentic AI systems through practical demos and case studies.
6. Strengthen their readiness for research and industry opportunities in the AI domain.

UN-SDG Mapping:

Goal 4: Quality Education

Goal 8: Decent Work and Economic Growth **Goal 9:** Industry, Innovation, and Infrastructure **Goal 17:** Partnerships for the Goals

