

PARTICIPATION

- Hands-on, laptop-based sessions every day — build agents, not just slides
- Industry-led training by **GYAN ASTRA IT SOLUTIONS**, Hyderabad
- Team capstone project with a live demo day
- Participation certificate for every participant

WHO CAN ATTEND

- B.Tech **V Semester** students of **IT** and **CSBS** branches, MGIT
- No prior agent experience needed — basic Python is sufficient

DAILY PATTERN

9:30 AM – 12:00 PM • five days (FN)

Session 1 • Concept	09:30 – 10:30
Session 2 • Concept	10:30 – 11:15
Session 3 • Hands-on lab	11:15 – 12:00

WHAT TO BRING

- Laptop with Wi-Fi, fully charged
- Python 3 and VS Code pre-installed
- College ID card and a notebook

ORGANIZING COMMITTEE

CHIEF PATRONS

Smt. Neelayyagari Padma, Chairperson, CBES
Sri. J. Pratap Reddy, Secretary, CBES

PATRONS

Prof. G. ChandraMohan Reddy, Principal, MGIT
Prof. K. Sudhakar Reddy, Vice Principal, MGIT

COORDINATORS

Dr. D. Vijaya Lakshmi, Professor & Head, Dept. of IT
Dr. G. Ramesh, Associate Professor

CO-COORDINATORS

Dr. A. Nagesh, Professor
Mr. Bapanapalli Lokesh, Asst. Professor
Ms. A. V. Laxmi Prasuna, Asst. Professor
Ms. J. Hima Bindu, Asst. Professor
Ms. V. Veena, Asst. Professor
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FOR ANY QUERIES, CONTACT

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MAHATMA GANDHI
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MOTIVATE
INNOVATE
EMPOWER
30
YEARS



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ONE - WEEK BOOTCAMP ON

Agentic AI

*Design and deploy autonomous AI agents that plan,
reason, use tools and complete tasks*

RESOURCE PERSON

Mr. Y.V.N. Phani Kishore

Co-founder & Director, GYAN ASTRA IT SOLUTIONS,
Hyderabad

26 – 30 October 2026

TIME **9:30 AM – 12:00 PM**

MODE **Physical | On Campus**

FOR **B.Tech V Sem, IT & CSBS**

Organized by the Department of Information
Technology, MGIT



ABOUT MGIT

Mahatma Gandhi Institute of Technology was established in 1997 by the Chaitanya Bharathi Educational Society at Gandipet, Hyderabad. Affiliated to JNTU Hyderabad and approved by AICTE, it holds UGC Autonomous status, is accredited by NAAC with an A++ grade, and has six of its departments accredited by NBA, New Delhi. MGIT is consistently ranked among the top ten engineering colleges in Telangana.

ABOUT THE DEPARTMENT OF IT

The Department of Information Technology was established in 1997 with an annual intake of 60 students. It has 20 qualified faculty members — two professors, one associate professor and seventeen assistant professors — supported by experienced non-teaching staff. Seven hold doctoral degrees and eleven are pursuing their Ph.D.

Its independent laboratories give students hands-on access to Data Analytics, Data Mining, IoT, Artificial Intelligence, Machine Learning and open-source platforms. Faculty members lead AICTE-sanctioned research projects, and students take part in professional chapters such as ISTE and the Innovation Club.

ABOUT THE RESOURCE PERSON

Mr. Y.V.N. Phani Kishore is Co-founder and Director of GYAN ASTRA IT SOLUTIONS, Hyderabad. His industry experience in building IT solutions brings high-quality, experiential learning to every session.

ABOUT AGENTIC AI

An AI agent goes beyond answering questions: it plans a sequence of steps, reasons about what to do next, calls tools and APIs, and completes tasks with minimal human intervention.

ABOUT THE PROGRAMME

Over five days, participants build an agent from scratch, connect it to real tools through the Model Context Protocol (MCP), add retrieval, memory and planning, explore multi-agent systems and frameworks, and finish with evals, safety and a team capstone demo.

OBJECTIVES

- To explain the agent loop, and when an agent is — and is not — the right tool.
- To connect agents to real tools and systems through MCP.
- To add retrieval (RAG), memory and planning to agents.
- To introduce multi-agent patterns and popular frameworks.
- To teach evaluation, cost control and safety for agents.

OUTCOMES

- Build a minimal agent loop with no framework.
- Extend it with multiple tools, one served over MCP.
- Build a research assistant that cites its sources and critiques its own drafts.
- Ship a team capstone agent with eval cases and a safety guardrail.

PROGRAMME SCHEDULE

Daily 9:30 AM – 12:00 PM (FN) · two concepts and a hands-on lab each day

DAY 1 Anatomy of an agent 26 OCT

09:30 The agent loop & autonomy

10:30 Prompting for agents

11:15 Lab: agent from scratch

DAY 2 Tools & MCP 27 OCT

09:30 Model Context Protocol (MCP)

10:30 Multi-tool agents (ReAct)

11:15 Lab: multi-tool agent

DAY 3 Memory & planning 28 OCT

09:30 Retrieval (RAG) for agents

10:30 Memory and planning

11:15 Lab: research assistant

DAY 4 Multi-agent systems 29 OCT

09:30 Multi-agent patterns

10:30 Frameworks: LangGraph, CrewAI, SDKs

11:15 Capstone kickoff (teams of 3–4)

DAY 5 Production & safety 30 OCT

09:30 Evals, cost and safety

10:30 Capstone build

11:15 Demo day & valediction

Every team demos a working AI agent.

Led by GYAN ASTRA IT SOLUTIONS, Hyderabad.