



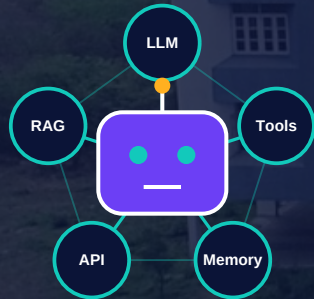
GUJARAT TECHNOLOGICAL UNIVERSITY
CENTRE FOR CONTINUING EDUCATION

GTU-CCE CERTIFIED

COURSE ON

AGENTIC AI & APPLICATIONS

Build autonomous AI agents that think, plan and act



60 HOURS

15 Theory + 45 Practical

HYBRID

Online + Campus

Rs. 2000

Course fee

60 SEATS

Limited registrations

ORGANIZED BY

C. K. PITHAWALA COLLEGE OF ENGINEERING & TECHNOLOGY

Nr. Malvan Mandir, Via Magdalla Port, Dumas Road, Surat – 395007, Gujarat

About Gujarat Technological University

Gujarat Technological University (GTU), established in 2007 by the Government of Gujarat, is a premier academic and research institution fostering innovation, entrepreneurship, and technological excellence. With more than 450 affiliated colleges across the state, GTU offers diverse programs in Engineering, Management, Pharmacy, Architecture, and Computer Applications. The university emphasizes practical learning, research-driven education, and global exposure through international collaborations. Through initiatives like SSIP, Design Thinking, and Innovation Councils, GTU empowers students to become future-ready professionals and successful entrepreneurs contributing to India's technological and economic growth.

About the Institution

C. K. Pithawala College of Engineering and Technology (CKPCET) is a self-financed institution managed by the Navyug Vidyabhavan Trust and affiliated with Gujarat Technological University, Ahmedabad. The institute is committed to providing quality higher education and creating an enriching academic environment that fosters excellence, innovation, research, and entrepreneurship. It strives to empower students with knowledge, skills, and values that prepare them to meet emerging challenges and make meaningful contributions to society and the nation.

OUR VISION

Guided by the vision that "Innovation and Networking drive splendid progress through Intelligence, Research, and Enterprise," CKPCET promotes intellectual curiosity, collaborative learning, interdisciplinary research, and strong industry-academia engagement. Through its continued emphasis on academic excellence, innovation, research, and enterprise, the institute seeks to transform ideas into impactful solutions and nurture competent, confident, and future-ready professionals.

What You Will Learn

- 1 Understand the fundamentals of Artificial Intelligence, Generative AI, Large Language Models (LLMs), and Agentic AI.
- 2 Explain the architecture, lifecycle, reasoning, planning, and autonomous decision-making capabilities of AI agents.
- 3 Develop intelligent AI applications using LLMs, prompt engineering, and modern Agentic AI frameworks such as LangChain, LangGraph, CrewAI, and AutoGen.
- 4 Integrate AI agents with external tools, APIs, databases, files, memory, and Retrieval-Augmented Generation (RAG) systems.
- 5 Design collaborative multi-agent systems capable of solving complex real-world problems.
- 6 Apply AI ethics, safety, security, governance, and responsible AI principles while developing AI solutions.
- 7 Deploy scalable AI applications using modern deployment platforms and cloud technologies.
- 8 Build end-to-end Agentic AI solutions through practical exercises and an industry-oriented capstone project.

Why Join This Course?

- + Gain hands-on skills with cutting-edge AI tools, frameworks, and deployment platforms.
- + Build end-to-end autonomous multi-agent systems to solve real-world problems.
- + Enhance technical expertise and career prospects in high-demand Agentic AI roles.
- + Bridge the gap between traditional software development and modern AI engineering through practical capstone experience.
- + Learn directly from expert domain faculty and corporate industry professionals.

● Is This Course For You?

- **BE/BTech CO/IT students** who cleared any Python certification course from NPTEL/Swayam, Udemy, Coursera, or any such standard platform.
- **Working professionals** seeking to gain knowledge of Agentic AI application development.
- Participants should have **fundamental knowledge of Machine Learning and Natural Language Processing**.

● Course at a Glance

60 Hours
15 Theory + 45 Hands-on

Hybrid
Online + Offline at Campus

Rs. 2000
Pay online, upload screenshot

60 Seats
Limited registrations

Study material and code repositories will be provided

● Important Dates

LAST DATE TO REGISTER

20 Jan 2027

COURSE STARTS

01 Feb 2027

● Resource Persons

Dr. Ami Tusharkant Choksi
Associate Professor
Computer Engineering Department, CKPCET

Guest talks by experts from renowned corporates will also be conducted for hands-on training.

● What You Will Be Able To Do

Upon successful completion, participants will be able to:

CO1

Explain the concepts of Artificial Intelligence, Generative AI, Large Language Models, and Agentic AI, and differentiate among various AI paradigms.

CO2

Design and implement autonomous AI agents using prompt engineering, LLM APIs, and contemporary Agentic AI frameworks.

CO3

Develop AI applications integrated with external tools, APIs, databases, memory systems, and Retrieval-Augmented Generation (RAG) techniques for intelligent decision-making.

CO4

Build collaborative multi-agent systems capable of planning, reasoning, communication, and task coordination for solving complex real-world problems.

CO5

Evaluate, deploy, and maintain secure, ethical, and responsible Agentic AI applications while demonstrating professional competency through an end-to-end capstone project.

● Frameworks You Will Use

LangChainLangGraphCrewAIAutoGen

Prompt EngineeringRAGMulti-Agent Systems

● Course Outline

- AI, Generative AI, LLMs & Agentic AI Fundamentals
- Agent Architecture, Reasoning & Planning
- Prompt Engineering & Agentic AI Frameworks
- Tools, APIs, Databases, Memory & RAG Integration
- Collaborative Multi-Agent Systems
- AI Ethics, Safety, Security & Governance
- Deployment on Cloud Platforms
- Capstone Project

● How To Register

- 1 Click the link below or **scan the QR code** to open the registration form.
- 2 Pay the **course fee of Rs. 2000** online using the bank details below.
- 3 **Upload the payment screenshot** in the registration form.



<https://forms.gle/7rzSxm9LEQQ36Dks9>

● Payment Details

Beneficiary	C. K. PITHAWALA COLLEGE OF ENGINEERING AND TECHNOLOGY
Account no	074002000001105 (Current Account)
Bank name	Bank of Baroda
Branch	Navyug College, Surat
IFSC code	BARB0RANSUR (5th character is zero)

LAST DATE TO REGISTER: 20th JANUARY, 2027