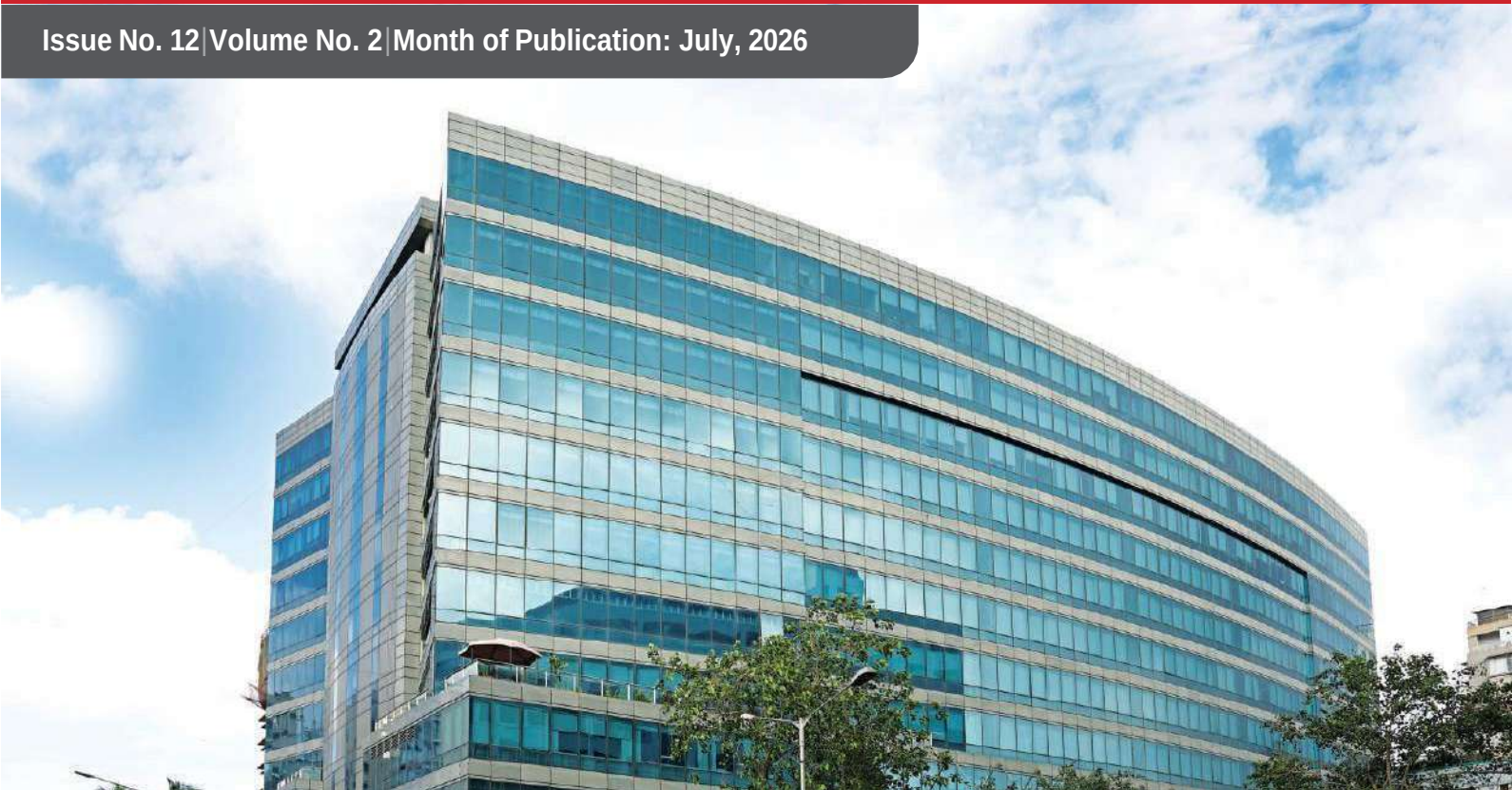


SVKM'S NMIMS

NMIMS EduGenAI

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NMIMS Vision

To be a globally admired University by 2030

NMIMS Mission

Emerge as a Centre of Excellence, best in class in India and Asia, and yearning to be the best in the world by 2030



GenAI
Guidelines & Policy



Faculty
Development &
Workshops



GenAI-Enhancing
Teaching-Learning
Process



GenAI-Progress
Monitoring

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Preface

Dear Readers,

Welcome to the July 2026 edition of the **NMIMS EduGenAI Newsletter**. As Generative AI continues to evolve, the focus is shifting from writing effective prompts to designing intelligent systems that can reason, adapt, and improve autonomously. In this issue, we explore **Loop Engineering**, an emerging paradigm that is shaping the next generation of AI applications and its implications for education.

This edition also features highlights from across the NMIMS community, including the launch of the **NMIMS Horizon** initiative, faculty contributions to AI-enabled teaching and learning, a practical AI workflow for educational video creation, and the latest global developments influencing higher education and artificial intelligence.

We hope this newsletter keeps you informed, inspires new ideas, and supports the responsible adoption of AI in academia. Thank you to all our contributors and readers for your continued support. We look forward to your feedback and contributions for future editions.

Warm regards,

The EduGenAI Newsletter Team

In this edition

- From Prompts to Context to Loops: The Next Frontier of AI Engineering
- News and Events: June 2026
- GenAI Tools Use-Case
- Latest Updates and Trends



From Prompts to Context to Loops: The Next Frontier of AI Engineering

For the last three years, **one phrase has dominated** discussions around Generative AI: **Prompt Engineering**. Educators, developers, researchers, and business leaders invested significant effort in learning how to craft the perfect prompt. We experimented with role prompting, chain-of-thought prompting, few-shot examples, and structured instructions. A well-designed prompt often meant the difference between a mediocre response and an exceptional one.

Then came Context Engineering.

As AI systems evolved into agents capable of accessing tools, memories, documents, databases, and external systems, experts realized that prompt quality alone was no longer the primary determinant of performance. The challenge **shifted from what to ask to what information the AI should have available while answering**. Context Engineering emerged as the discipline of selecting, organizing, retrieving, and maintaining the right information for an AI system at the right time. Andrej Karpathy famously described it as the art and science of filling the context window with the right information for the next step.

Today, however, the AI community is witnessing yet another shift; one that **may prove even more transformative**.

Welcome to the age of Loop Engineering.

Why Prompt Engineering Is No Longer Enough

Prompt Engineering was designed for a world where AI interactions were largely transactional. A user typed a prompt, the model generated a response, and the interaction ended. While this approach **remains highly valuable for content creation, teaching, summarization, and many educational use cases**, it struggles when **tasks become multi-step, iterative, or autonomous**.

Consider an **AI agent tasked with reviewing a research paper, finding references, checking citations, generating revisions, validating facts, and preparing a final report**. Such work **cannot** be accomplished effectively through a **single prompt**. It requires repeated cycles of reasoning, action, verification, and refinement.

This realization pushed the focus beyond prompts and toward context.

The Rise of Context Engineering

Context Engineering recognized that AI performance depends heavily on what the model knows at a particular moment. Instead of **endlessly refining prompts, practitioners began engineering the information environment around the model**.

In many ways, **Context Engineering reframed AI development from “writing better instructions” to “building smarter information ecosystems.”** Yet even **context-rich systems still relied heavily on humans to initiate and guide every step**.

The next question naturally emerged:

What if AI systems could manage the workflow themselves?

Enter Loop Engineering

Loop Engineering is the design of systems that continuously guide, monitor, verify, and re-prompt AI agents until a specific objective is achieved. Instead of humans providing the next instruction after every response, the system itself determines what should happen next.

A typical AI loop follows a pattern:

Observe → Plan → Act → Verify → Learn → Repeat

The agent performs a task, evaluates the outcome, determines whether success criteria have been met, and either stops or starts another iteration.

In this paradigm, the most important engineering skill is no longer writing a perfect prompt or assembling perfect context. It is designing a robust loop that enables autonomous improvement.

As industry observers have noted, the unit of value in AI is shifting from the isolated response toward the iterative system that continually improves through feedback and validation.

What This Means for Education

For educators, Loop Engineering offers exciting possibilities.

Imagine:

- AI teaching assistants that continuously monitor student progress and adapt support materials.
- Research assistants that search, validate, summarize, and refine findings autonomously.
- Curriculum design tools that iteratively align content with learning outcomes and accreditation requirements.
- Assessment systems that generate questions, evaluate quality, detect ambiguity, and improve future versions automatically.

Rather than acting **as intelligent calculators, AI systems become intelligent collaborators.**

This shift parallels educational philosophy itself. Learning is rarely a one-step activity. Students learn through cycles of practice, feedback, reflection, and improvement. Interestingly, Loop Engineering introduces the same principle into AI systems.

A Word of Caution

Like every major technological advance, **Loop Engineering introduces risks.**

An incorrect **prompt may generate one poor response. An incorrect loop may generate thousands.** Autonomous systems can amplify errors, consume excessive computational resources, reinforce biases, or optimize undesirable outcomes if verification mechanisms are weak.

Therefore, responsible AI development in the coming years will require equal attention to:

- **Human oversight**
- **Verification checkpoints**
- **Governance mechanisms**
- **Ethical safeguards**
- **Transparent evaluation metrics**

The challenge is not merely to build loops but to build trustworthy loops.

Looking Ahead

The history of Generative AI can be viewed as **a progression of increasing sophistication**:

- **Prompt Engineering** taught us how to communicate with AI.
- **Context Engineering** taught us how to provide AI with the right knowledge.
- **Loop Engineering** is teaching us how to orchestrate AI-driven workflows that can reason, act, verify, and improve autonomously.

Importantly, **Loop Engineering does not replace Prompt Engineering or Context Engineering**. Instead, it builds upon them. Prompts remain essential. Context remains critical. Loops simply provide the higher-level structure that connects them into autonomous systems.

As educators prepare students for an increasingly agentic future, we may need to update the skills we teach. Tomorrow's AI professionals may spend less time crafting individual prompts and more time designing intelligent feedback loops that connect models, tools, memories, and human judgment.

The future belongs not merely to those **who can ask AI good questions—but to those who can design systems that keep asking the right questions** until the objective is achieved.

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From Prompts to Loops: Building AI Systems That Improve Themselves

The evolution of AI engineering is about more than better prompts—it's about building intelligent, iterative systems.

1. PROMPT ENGINEERING

Craft the right instruction to get the best response.



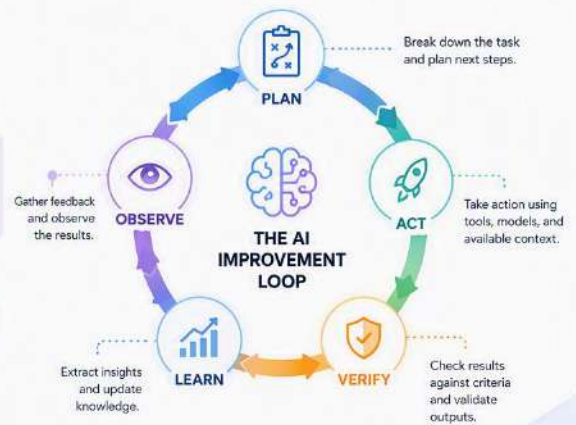
2. CONTEXT ENGINEERING

Provide the right information in the right format at the right time.



3. LOOP ENGINEERING

Design loops that plan, act, verify, learn, and repeat until the objective is achieved.



More Autonomous AI Agents



Better Outcomes Through Iteration



Built-in Verification and Reliability



Continuously Improving Systems



The future belongs to those who design systems that keep asking the right questions—until the mission is complete.

Disclaimer: The infographic is AI Generated

News and Events

NMIMS Spotlight

Topic: **NMIMS Launches 'Horizon' Initiative to Build AI-Ready Graduates**

SVKM's Narsee Monjee Institute of Management Studies (NMIMS) has launched NMIMS Horizon, a university-wide initiative in collaboration with Coursera to equip nearly 40,000 students across its campuses with AI and future-ready skills. The program integrates AI-enabled learning pathways, globally recognized certifications, and industry-relevant courses directly into the academic curriculum, making them a mandatory part of the student learning experience.



Source of image: [NMIMS](https://www.nmims.edu)

Through Horizon, students will gain access to curated Coursera courses in Artificial Intelligence, Machine Learning, Data Analytics, Digital Transformation, and Emerging Technologies. Unlike standalone online certifications, these learning pathways are faculty-guided, assessment-linked, and aligned with academic programs, enabling students to develop practical, industry-relevant competencies alongside their regular coursework.

The initiative has **been fully funded by NMIMS**, ensuring that all enrolled students can access world-class learning resources and globally recognized certifications without additional cost. University leadership emphasized that Horizon is designed to strengthen AI literacy, adaptability, and lifelong learning, preparing graduates to thrive in an increasingly technology-driven workplace. With approximately 40,000 licenses deployed, NMIMS Horizon is among the largest university-wide AI and future skills initiatives in Indian higher education.

Faculty Spotlight

Topic: **Resource Person: "Transforming Data to Insights" at SVKM Training and 'AI for Assessments' at JSPM University FDP**

Dr. Praveen Kumar Loharkar, Assistant Professor, MPSTME, Shirpur Campus delivered two sessions in June 2026 as part of faculty development initiatives.

The first session was conducted on **June 16, 2026**, under the **SVKM Faculty Training Programme**, where participants explored practical approaches involving use of AI for converting raw data into meaningful insights for informed decision-making.



The second session was delivered on **June 17, 2026**, during the **One Week Faculty Development Program on "Artificial Intelligence in Pharmacy: Academic and Research Perspectives"**, organized by the **JSPM University Pune, in association with the APTI MS Women Forum**. Dr. Loharkar was invited as a **Resource Person** in recognition of his expertise and contribution to the FDP. Both sessions received an **overwhelming response** from the participants, who appreciated the practical demonstrations, interactive discussions, and real-world applications of AI in education and data analytics.



GenAI Tools Use-Case

Topic: *AI-Powered Workflow for Educational Video Creation*



AI-POWERED WORKFLOW FOR EDUCATIONAL VIDEO CREATION

A step-by-step use case to plan, create and publish engaging educational videos using AI tools at every stage.



STEP	STAGE	WHAT YOU DO	OUTPUT	TOOLS (EXAMPLES)
1	 DEFINE THE TOPIC	Identify a topic based on learner needs, syllabus, or trends. Define the learning objective.	 Clear topic and learning objective	 ChatGPT  Claude  Perplexity
2	 RESEARCH & GATHER CONTENT	Collect facts, examples, statistics, analogies and references to understand the topic deeply.	 Research notes & key takeaways	 Perplexity  ChatGPT (Deep Research)  Gemini
3	 WRITE THE SCRIPT	Convert research into an engaging script with hook, explanation, examples, summary and CTA.	 Complete narration script	 ChatGPT  Claude  Notion AI
4	 PLAN THE VISUALS	Break the script into scenes. Plan visuals, on-screen text, examples and transitions.	 Scene-by-scene plan / storyboard	 ChatGPT  Canva
5	 CREATE VISUAL ASSETS	Generate images, diagrams, illustrations, icons and backgrounds.	 Visual assets	 Midjourney  Ideogram  ChatGPT Images
6	 GENERATE VIDEO CLIPS	Convert images or text into video clips with motion, animations or screen recordings.	 Video clips	 Runway  Pika  Luma AI
7	 GENERATE VOICEOVER	Create natural-sounding voiceover with the right tone and pace.	 Voiceover audio	 ElevenLabs  PlayHT  OpenAI Voice
8	 EDIT & ASSEMBLE THE VIDEO	Combine video clips, voiceover, images, music, transitions and effects.	 Final edited video	 CapCut  Descript  DaVinci Resolve
9	 ADD CAPTIONS & SUBTITLES	Generate accurate captions and highlight key points.	 Captions / Subtitles	 CapCut  Descript  Submagic
10	 CREATE THUMBNAIL	Design eye-catching thumbnails to increase clicks.	 Thumbnail image	 Canva  Ideogram  ChatGPT Images
11	 OPTIMIZE METADATA	Write SEO-friendly title, description, tags and chapters.	 Optimized metadata	 ChatGPT  TubeBuddy  vidIQ
12	 PUBLISH & REPURPOSE	Publish on platforms and repurpose into short clips, slides, blog posts, etc.	 Published video & repurposed content	 YouTube  Shorts  Instagram  LinkedIn

WORKFLOW AT A GLANCE

1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → 9 → 10 → 11 → 12

KEY BENEFITS

- ✓ Save time and production cost
- ✓ Create high-quality, engaging content
- ✓ Ensure consistency and clarity
- ✓ Repurpose once, publish everywhere
- ✓ Focus more on teaching, less on editing



MINDSET

Use AI as your co-pilot. You bring the knowledge and purpose; AI amplifies your impact.

 **PRO TIP:** Build reusable templates for scripts, storyboards and thumbnails to speed up your future video production.

Latest Updates and Trends

1. **Microsoft report reveals rapid AI adoption in education and growing demand for AI training:** **Microsoft's 2026 AI in Education Report** found that 92% of students and education leaders and 88% of educators have already used AI for school-related purposes. While AI adoption is accelerating, the report highlights a significant skills gap, with most students and many educators lacking formal AI training. The findings have prompted Microsoft to introduce new AI-powered learning tools and professional development resources to support responsible AI use in classrooms. **Read more at:** [Microsoft's New AI in Education Report highlights widespread adoption and increasing demand for support - Source](#).
2. **Global survey highlights AI's transformative impact on higher education: The Digital Education Council's** AI in Higher Education Global Survey 2026 revealed that AI is rapidly reshaping teaching, learning, assessments, and institutional policies across universities worldwide. The survey identified growing concerns around academic integrity, AI literacy, and equitable access while emphasizing the need for responsible integration of AI into higher education systems. **Read more at:** [Digital Education Council AI in Higher Education Global Survey 2026](#).
3. **Higher education urged to move beyond piecemeal AI policies: A June 2026 EDUCAUSE analysis** argues that universities are responding to AI disruption with isolated policies and pilot projects rather than comprehensive institutional strategies. The report identifies critical challenges related to assessment, curriculum design, faculty roles, and institutional governance, calling for a fundamental rethink of higher education in the age of AI. **Read more at:** [The Current State of Play: AI in Higher Education and the Road Ahead | EDUCAUSE Review](#)
4. **OpenAI reaches one billion monthly users as AI adoption continues to accelerate: OpenAI's ChatGPT** crossed the milestone of one billion monthly active users, making it one of the fastest-growing consumer technologies in history. The achievement highlights the rapid mainstream adoption of generative AI across education, business, software development, and everyday productivity. **Read more at:** [OpenAI News 2026: GPT Releases, Codex, Pricing, IPO, and All Updates | AIToolsRecap](#)

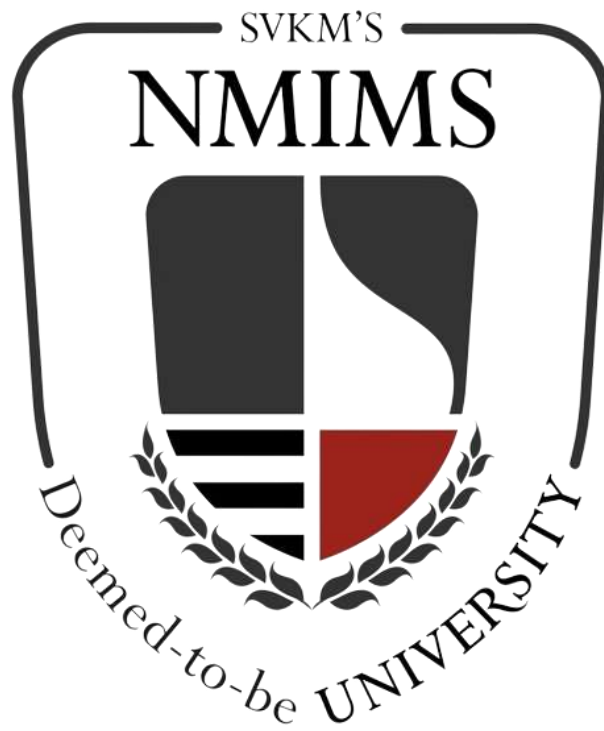
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- [Loop Engineering for AI Agents: Mastering Claude's /loop & Codex](#)

Stay up to date with the latest advancements in Generative AI through the EduGenAI Newsletter, featuring insights from NMIMS, global developments, emerging innovations, and recent research.

Warm regards,

The EduGenAI Newsletter Team



Your feedback and contributions are valuable to us. We invite you to share your suggestions and ideas with your school's newsletter team, or send them via email to genai.newsletter@nmims.edu by the 25th of every month.
