

ARTIFICIAL INTELLIGENCE

Academic Year
2025-26



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AIML DEPARTMENT MAGZINE



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FOUNDER'S NOTE



LATE BABU BANARASI DAS JI

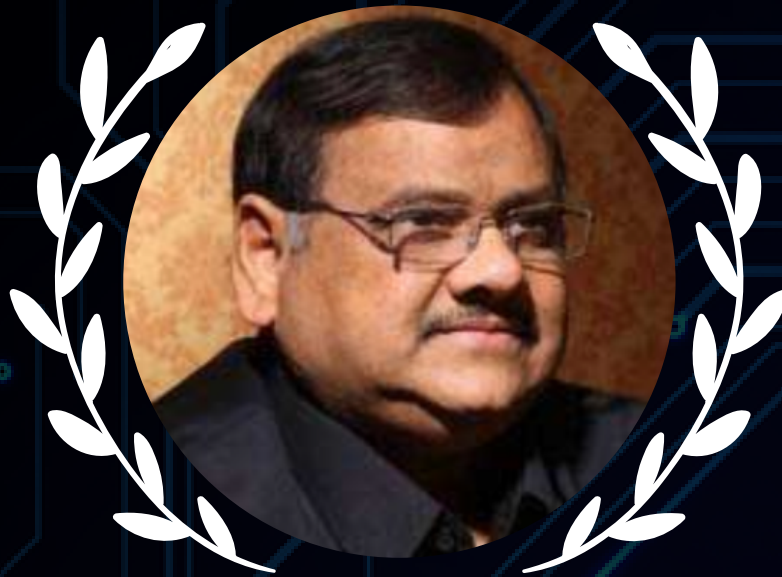
(1912-1985)

FREEDOM FIGHTER

EX-CHIEF MINISTER OF U.P.

“To provide young people with open opportunities to develop their core competencies and build successful careers as world-class professionals, equipped with a strong foundation, in-depth knowledge and versatile personalities to meet the challenges of the global economy.”

A TRIBUTE TO DR. AKHILESH DAS GUPTA



**OUR REVERED & HON'BLE
FOUNDER CHAIRMAN SIR.**

“There is no greater tribute to a mentor than upholding the high standards by which they lived. Dr. Akhilesh Das Gupta’s legacy will continue to live on through his distinguished students and the impact of his charitable work. He brought passion and dedication to every thought and action. An inspiring soul, a versatile genius, and a noble teacher, his ideas and values will always be remembered for their lasting charm and influence.”

MRS. ALKA DAS GUPTA



**HON'BLE CHAIRPERSON
BBD GROUP**

“Innovation requires passionate individuals who can bring meaningful transformation to the workplace. In today’s ever-changing global environment, success depends on the ability to respond effectively to the complex and rapidly evolving challenges in the field of Artificial Intelligence.

The Department of Artificial Intelligence & Machine Learning at ADGIPS continuously strives to uphold these values. We provide an education rooted in awareness, innovation, and excellence while nurturing young minds filled with confidence, motivation, and the courage to take on challenges.

Our campus, sports, and academic facilities stand as a testament to this commitment. With a strong focus on overall development, we aim to provide an internationally recognized standard of education that prepares students for future opportunities.

In today’s digital era, proficiency in computing technology has become essential for managers, business leaders, entrepreneurs, and professionals across all fields. This growing integration of technology into every profession is a highly positive and welcome development.”

MR. VIRAJ SAGAR DAS



**HON'BLE PRESIDENT
BBD GROUP**

"I am delighted to see that the Department of Artificial Intelligence & Machine Learning consistently follows the path of creativity and innovation. The department continuously encourages students to actively participate in various competitions and events, providing them with opportunities to showcase their talents and abilities on emerging technological platforms.

One of the most remarkable aspects of this magazine is that it presents a wide range of topics that are highly relevant and interesting to everyone.

It gives me immense pleasure to learn about the activities, accomplishments, and achievements of the Department of Artificial Intelligence & Machine Learning at Dr. Akhilesh Das Gupta Institute of Professional Studies through such an engaging and interactive publication."

PROF. (DR.) NIRANJAN BHATTACHARYA



DIRECTOR , ADGIPS

“Prof. (Dr.) Niranjan Bhattacharya holds a B.E., M.Tech., and Ph.D. in Electronics & Communication Engineering, along with an MBA in Finance. He began his professional career in the Merchant Navy and later worked with leading corporations such as Godrej as a Branch Manager, Tech Pacific as Country Head, and Multiplex Corporation Ltd. as the CEO of its ₹1000 crore IT solutions conglomerate.

After a successful career in industry, he transitioned into academia as a Lecturer at Delhi College of Engineering and served there for more than six years. He then worked for 11 years as a Professor and Head of Department in colleges affiliated with Guru Gobind Singh Indraprastha University.

At ADGIPS, he joined as Professor and Head of the Department of Electronics & Communication Engineering, as well as Director of IQAC, in 2021. He was promoted to the position of Director of ADGIPS on 1st January 2024.

Prof. Bhattacharya has authored more than 100 research publications in international journals and has also written a book that earned him an award presented by the Hon’ble President of India. He is frequently invited to deliver talks at international seminars and conferences in India and abroad, including in the USA and Canada.

At ADGIPS, under his guidance and leadership, the institute is committed to providing high-quality undergraduate and postgraduate education with dedication, excellence, and enthusiasm.”

PROF. (DR.) ANKIT VERMA



HEAD OF DEPARTMENT, AI & ML, ADGIPS

“As an author once rightly said, ‘Listen to the people who love you. Believe that they are worth living for, even when you don’t believe it yourself.’

At ADGIPS, education is not limited to a defined curriculum alone; it is also focused on nurturing and encouraging the overall growth and development of every student associated with the institution.

The Department of Artificial Intelligence & Machine Learning continuously works towards enhancing the entrepreneurial abilities of students and encourages them to work on innovative and socially relevant projects that can contribute meaningfully to the development of society.

The Department of Artificial Intelligence & Machine Learning brings together some of the most advanced and impactful fields of scientific research. Together, these disciplines empower students to transform their dreams into reality and reach new heights of innovation and success.

The department is committed to developing engineers equipped with strong technical, managerial, and ethical skills so that they can make valuable contributions toward nation-building and societal progress.”

VISION AND MISSION



To produce socially responsible technocrats, researchers and entrepreneurs in Artificial Intelligence and Machine Learning through eminence in education and research.

M1.

“To develop socially responsible technocrats, researchers, and entrepreneurs in the field of Artificial Intelligence and Machine Learning through excellence in education and research.”

M2.

“To collaborate with industry in order to promote innovative research and development in the field of Artificial Intelligence & Machine Learning.”

M3.

“To transform students into innovative and skilled professionals equipped with knowledge, values, confidence, and technical expertise to meet the evolving global needs of society.”

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06. EDITORIAL BOARD

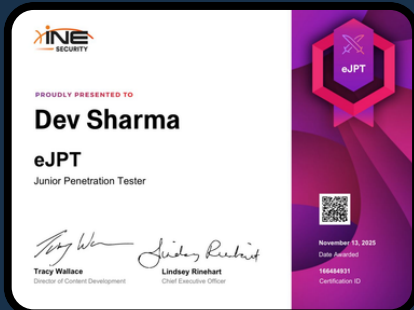
DEPARTMENT AT A GLANCE

“The Department of Artificial Intelligence and Machine Learning was established in 2021 and offers an undergraduate B.Tech. programme under the affiliation of Guru Gobind Singh Indraprastha University, New Delhi. ADGITM strives to provide quality technical education through experiential learning while building a strong academic infrastructure supported by dedicated faculty members and a dynamic student community.

The Department of Artificial Intelligence & Machine Learning emphasizes the implementation of Outcome Based Education (OBE) throughout the undergraduate programme, encouraging academic excellence, university ranks, and strong placement records.

To promote lifelong learning and the practical application of knowledge for solving real-world problems, the department regularly organizes technical events such as hackathons, coding competitions, training programmes, workshops, and seminars.”

STUDENT'S ACHEIVEMENT



Dev Sharma is a 2nd-year B.Tech student specializing in Artificial Intelligence & Machine Learning with a strong passion for cybersecurity, ethical hacking, robotics, and AI-driven innovation. He successfully completed the prestigious Delhi Police Internship, gaining valuable exposure to real-world cyber investigations and security practices. Dev also earned the globally recognized eLearnSecurity Junior Penetration Tester (eJPT) certification, demonstrating hands-on expertise in ethical hacking, penetration testing, networking, and cybersecurity fundamentals. Showcasing his technical excellence and innovative mindset, he represented his college at the prestigious NXP AIM India 2025 Robotics & AI Challenge and secured a position as a Regional Finalist, highlighting his skills in autonomous systems, AI-based solutions, and problem-solving.



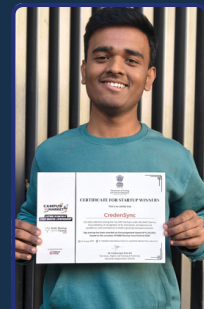
Deepansh Bansal (S-12) represented his college in the GGSIPU Inter College Cricket Tournament 2026 and secured 1st position as part of the winning team. He was also awarded Best Wicket Keeper of the Tournament for his outstanding performance.

STUDENT'S ACHEIVEMENT



Mihika Goel, a 3rd-year student, achieved an outstanding 10 SGPA in the 5th semester (2025–2026). Her dedication, consistency, and academic excellence make her an inspiration for fellow students.

Rishu Kumar Jha a second year student from AIML Department. He represented CredenSync at the Delhi Startup Yuva Festival 2026, where his startup was selected among the Top 100 startups out of around 13,000 participating teams and received an Encouragement Grant of ₹1,00,000 for innovation and entrepreneurial excellence by the Delhi Government.



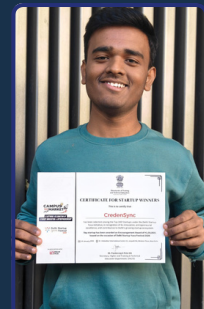
Gunn Gulati has established herself as a remarkable performer in the college dance circuit with multiple victories at prestigious platforms including IIT, BR Ambedkar, Anugoonj, Motilal Nehru, St. Stephen's, and Soul City. Alongside these achievements, she also secured Runner-Up positions at LSR, Hood Hustle, and Aagaaz. Her dedication, energy, and passion for dance continue to inspire everyone around her.

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TEACHER'S AWARDS

SESSION CHAIR :

Dr. Ankit Verma Chaired Technical Session at the IEEE International Conference on Innovations in Computational Intelligence (ICICI-2026) organized at KIET (Deemed to be University), Delhi on 24th – 25th April 2026.

Dr. Ankit Verma Chaired Technical Session at the IEEE International Conference on NextGen Data Science and Analytics (ICNDSA-2026) organized at CHRIST (Deemed to be University), Delhi on 10th – 11th April 2026.

Dr. Ankit Verma Chaired Technical Session at the 9th Springer International Conference on Innovative Computing and Communication (ICICC-2026) organized at Shaheed Sukhdev College of Business Studies, Delhi University (Delhi) on 6th – 7th February 2026.

Dr. Ankit Verma has chaired the Technical Session at the 6 Springer International Conference, ICDAM-2025, organised at London Metropolitan University, London, UK, on 13 – 15 June 2025.

HONOURS & AWARDS :

Ms. Shuchi Sharma conferred the Doctorate Honoris Causa –Doctor of Philosophy in Artificial Intelligence by Newcastle University on 16 January 2026.

TEACHER'S AWARDS

PAPER PUBLICATION:

Dr. Ankit Verma has reviewed the Research Papers in the IEEE International Conference on Recent Trends in Computing and Smart Mobility (RCSM 2025) organized by Maulana Azad National Institute of Technology, Bhopal, India, during 5 – 6 December 2025.

Mr. Rishabh Jain, Ms. Neha Yadav, and Ms. Shuchi Sharma published a research paper in the SCOPUS-indexed International Journal of Environmental Sciences (2025) titled “Deep Learning Methodology for Data Security in Healthcare”

PATENT:

Dr. Neha Yadav has received a granted patent for “AI-Driven OEM Market Intelligence Kiosk”

TEACHER'S AWARDS

FDP ATTENDED :

Ms. Shristy Goswami and Dr. Neha Yadav attended a one-week FDP on “Role of Responsible Artificial Intelligence (AI) in Driving Global Progress Towards Sustainable Development,” organized by AICTE(ATAL).

Ms. Shobha Sharma attended a one-week FDP on “Emerging Technologies: Shaping the Future in Digital Forensics”, organized by IGDTUW (ISEA Phase-III, MeitY).

Dr. Neha Yadav attended a ten-day FDP on NEP 2020 Orientation & Sensitization Programme, organized by MH-MHRD.

Dr. Neha Yadav attended a one-week FDP on Smart Computing: Bridging Supercomputing, AI, and Data Science in Academia and Industry, organized by AICTE (ATAL).

Dr. Neha Yadav attended a one-week FDP on “Modern Web Development & AI Integration,” organized by TechSaksham.



KRITRIM-DHI

(THE OFFICIAL AI&ML SOCIETY OF ADGITM)

Welcome to Kritrim Dhi - an AI & ML Society dedicated to exploring the limitless potential of Artificial Intelligence and Machine Learning!

With our four dynamic departments, Tech, R&D, Events, and Management, along with our Social Media team, we strive to create an inclusive community that spreads awareness about the incredible capabilities of AI & ML. At Kritrim Dhi, our motive is to ignite curiosity and inspire individuals from all walks of life to explore the fascinating world of AI & ML. Join us on this exhilarating journey as we unlock the doors to endless possibilities and empower individuals to harness the transformative power of Artificial Intelligence and Machine Learning. Together, let's shape the future!



KRITRIM-DHI

(THE OFFICIAL AI&ML SOCIETY OF ADGITM)

"FACULTY INCHARGE"



DR. NEHA YADAV



KRITRIM-DHI

(THE OFFICIAL AI&ML SOCIETY OF ADGITM)



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EVENTS GLIMPSSES



EVENTS GLIMPSSES



EVENTS GLIMPSSES



Department of Artificial Intelligence & Machine Learning

Organising
EXPERT LECTURE
—Topic—
RoadMap to AI/ML

SPEAKER
NANDINI SINGH
Junior Associate
at
Software One

17 September 2025 10:00 AM Auditorium, ADGIPS

Like Comment Share Bookmark



DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)
FC-26, Sector Park, Bandra, Delhi 110063
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www.adgips.ac.in +91 011 49905000-99

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

कुत्रिम धी PRESENTS
PROJECT EXHIBITION
Dream. Develop. Demonstrate.

15-10-2025 10 AM ONWARDS

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#ShapingGenerations

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Department of
Artificial Intelligence & Machine Learning

ALGO-MANIA
Where Logic Meets Creativity

15 October 2025 11:30 AM Room No. 2202

REGISTRATION FEE : 30 TEAM SIZE : 2

Like Comment Share Bookmark



Department of Artificial Intelligence & Machine Learning

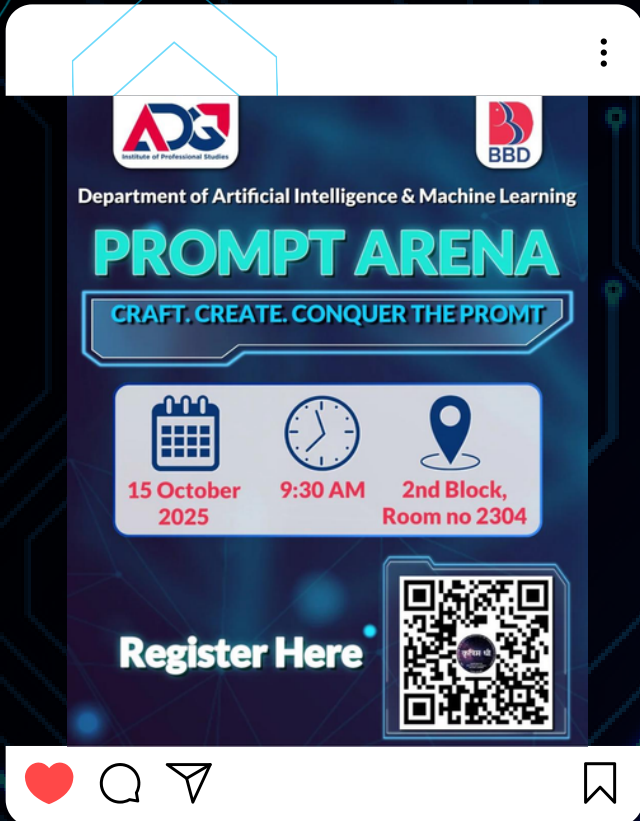
BUG BOUNTY 2.0

15 October 2025 9:30 AM 2nd Block, Room no 2304

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EVENTS GLIMPSES



Department of Artificial Intelligence & Machine Learning

PROMPT ARENA

CRAFT. CREATE. CONQUER THE PROMPT

15 October 2025 9:30 AM 2nd Block, Room no 2304

Register Here

Instagram interaction icons: heart, comment, share, bookmark



Department of Artificial Intelligence & Machine Learning

CODING WORDS, NOT PROGRAMS!

TECHNICAL JAM 2.0

15 October 2025 9:00 AM RNO, 2205

REGISTER HERE

Think Faster Speak Smarter

Instagram interaction icons: heart, comment, share, bookmark



Department of Artificial Intelligence & Machine Learning

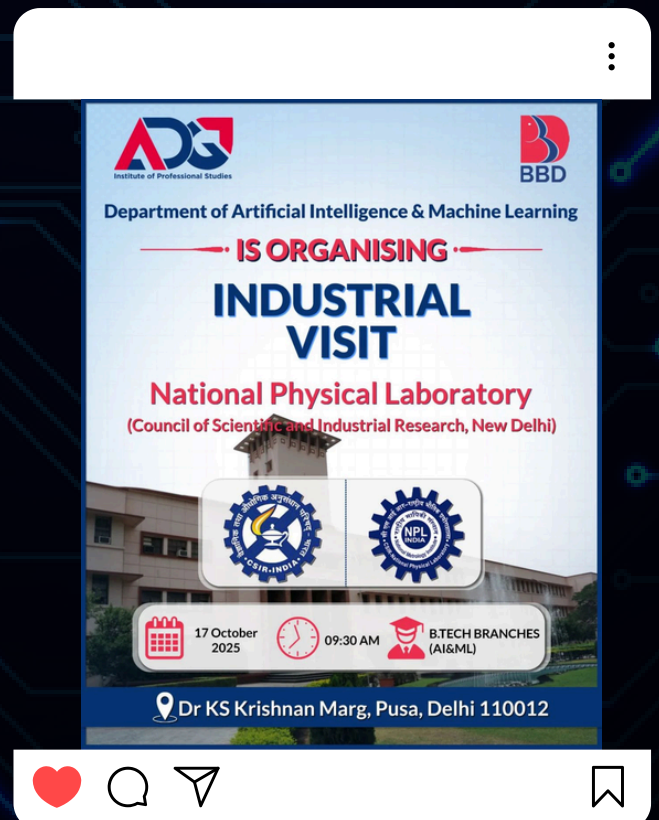
TECHNICAL RANGOLI MAKING

15 October 2025 1:00 PM 2nd Block, 2nd Floor

Tech in symmetry, Innovation in color!

REGISTER HERE

Instagram interaction icons: heart, comment, share, bookmark



Department of Artificial Intelligence & Machine Learning

IS ORGANISING

INDUSTRIAL VISIT

National Physical Laboratory
(Council of Scientific and Industrial Research, New Delhi)

17 October 2025 09:30 AM B.TECH BRANCHES (AI&ML)

Dr KS Krishnan Marg, Pusa, Delhi 110012

Instagram interaction icons: heart, comment, share, bookmark

EVENTS GLIMPSSES



Department of Artificial Intelligence & Machine Learning

ALUMNI TALK



SPEAKER
Ms. Himangi Pathak
Product Analyst
BCG BOSTON CONSULTING GROUP



7th November 2025



10:00 AM



Smart Room 2202





DR. AKHILESH DAS GUPTA
INSTITUTE OF PROFESSIONAL STUDIES
(Formerly Dr. Akhilesh Das Gupta Institute of Technology & Management)

DEPARTMENT OF
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Glimpse of Industrial Visit To
 **Network Bulls**
On 29 August 2025



Students of AIML learned about networking and communication of Networking Devices
#ShapingGenerations





Department of Artificial Intelligence & Machine Learning

IS ORGANISING

SEMINAR

On

GENERATIVE



SPEAKER
Prof. (Dr.) Vishal Bhatnagar
HOD
Computer Science & Engineering
Netaji Subhas University of Technology



3 September 2025



12:00 PM Onwards



Auditorium, ADGIPS





TOPICS IN HIGHLIGHTS

AI and Cybersecurity: Fighting Digital Threats

~BY:- Granth Chawla



Cybercrime has quietly become one of the biggest concerns of our time. As more of our daily lives move online from banking and shopping to staying in touch with family hackers have found more ways to exploit that dependence. They're no longer just lone individuals with basic tools; today's cybercriminals use sophisticated techniques to steal personal data, spread malware, and target entire organizations without warning. A single security breach can expose millions of people's private information, cost companies billions, and even disrupt critical public services. The scale of the problem has grown so large that traditional security systems are simply struggling to keep up. In response, organizations and governments around the world have started turning to Artificial Intelligence as a smarter and faster way to defend against these threats. AI has genuinely transformed how we think about online security it doesn't just react to attacks, it learns from them. It's no surprise, then, that AI-driven cybersecurity has become one of the most important and widely discussed topics in technology today.

AI systems can monitor internet activity and identify suspicious behavior much faster than humans. Machine learning algorithms can detect malware, phishing attacks, and unauthorized access in real time. Companies use AI powered security systems to protect financial transactions and customer data from cybercriminals. At the same time, hackers are also using AI to create advanced cyberattacks, making cybersecurity a continuous battle between attackers and defenders. What makes AI valuable in cybersecurity is its ability to work quickly and predict threats in advance. Machine learning helps systems recognize patterns linked to phishing scams, malware, and unauthorized access, often identifying threats before a human analyst notices a problem. Banks, businesses, and governments now rely on AI to monitor networks, secure transactions, and protect sensitive data in real time. Even common security features like facial recognition and fingerprint scanning are possible because of AI.

At the same time, cybercriminals are using the same technology to develop smarter attacks, making cybersecurity an ongoing battle between both sides. Privacy concerns related to data collection also remain an important issue. Despite these challenges, the field continues to grow and is creating strong career opportunities in ethical hacking and digital security.

Experts believe that future cybersecurity systems will depend heavily on AI automation and predictive analysis. Students interested in technology and ethical hacking are also exploring AI based security solutions as a promising career path.

AI has become an essential part of how we protect ourselves in the digital age. It's faster, smarter, and more proactive than older security methods and as cyber threats continue to evolve, that matters more than ever. With continued development and responsible use, AI driven cybersecurity is helping build a digital world that's a little safer for everyone.

TOPICS IN HIGHLIGHTS

Why Agentic Workflows Are Beating Single AI Agents in 2026



~BY:- Himanshu Kumar
& Mohit Chauhan

For the past two years, headlines have been dominated by the promise of the ‘autonomous agent’ a single AI capable of managing your calendar, writing your code, or assisting customers without human intervention. It was a compelling vision: one bot to handle everything. However, in the demanding realities of enterprise operations where data is complex, processes are intricate, and even a single hallucinated fact can disrupt a supply chain the solo agent has often fallen short. It turns out that building one all powerful AI is less effective than deploying a team of specialized AI systems.

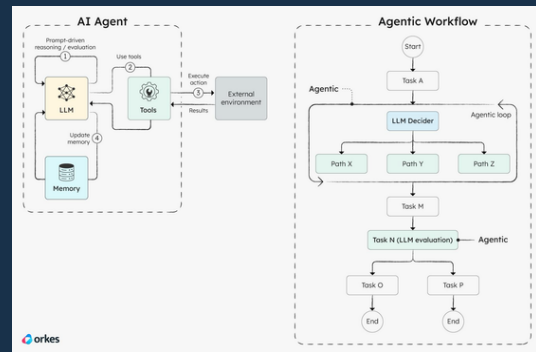
Welcome to the next evolution: Agentic Workflows over Agents. As of 2026, leading organizations are moving beyond isolated bots and adopting orchestrated, multi agent systems. Instead of relying on a single AI to handle everything, these workflows dynamically plan, execute, and refine complex tasks through a coordinated team of specialized agents. Think of it as the

difference between hiring one overworked general contractor and deploying a fully integrated project team with a lead architect, electrician, plumber, and inspector who all collaborate with each other. The result is not just an incremental improvement it is a fundamental shift in resilience, efficiency, and return on investment.



So, what does this look like inside an actual department? The core shift is from a single autonomous loop to a structured architecture of collaboration. In practice, agentic workflows rely on four key components: planning prompts that break vague requests into step-by-step tasks, tool integration that allows agents to query APIs and databases, shared memory so one agent's insights are instantly available to others, and human-in-the-loop refinement for moments where only a manager's judgment is required.

Two architectures are proving particularly valuable. First, Multi-Agent Teams, where a lead agent coordinates specialists like MetaGPT for example, structures outputs like a software company, reducing is communication between agents, while DyLAN dynamically re-evaluates each agent's contribution in real time, sidelining underperformers mid-task. Second, Goal-Oriented Systems allow managers to define objectives and guardrails, and the agent team adapts using real-time context. Early adopters in marketing have already reported an 836% ROI through hyper-personalization something a single agent could never achieve alone.



Second, Goal-Oriented Systems allow managers to define objectives and guardrails, and the agent team adapts using real-time context. Early adopters in marketing have already reported an 836% ROI through hyper-personalization something a single agent could never achieve alone.

The enterprise impact is measurable. Industry analysts predict 40% adoption of agentic workflows by late 2026. In field services, teams have cut deployment timelines from weeks to 48 hours. In e-commerce, over 30% of routine decisions inventory routing, fraud checks, discount approvals are now fully automated, freeing managers to focus on strategy. The question is no longer whether to adopt AI agents, but how quickly you can move from solo pilots to orchestrated workflows

The era of the lone AI agent is fading not because the technology failed, but because teamwork scales where individual efforts fall short. Complex business processes require diverse skills, continuous refinement, and smooth task handoffs and multi-agent architectures deliver exactly that. Higher resilience, improved accuracy, and true adaptability are all built into these systems.

The next 12 months will distinguish departments that simply 'use AI' from those that effectively orchestrate it. Don't just deploy an agent build the workflow.

EDITORIAL BOARD



MS. NIBHA SHRIVASTAV

Editor in chief [AI&ML DEPARTMENT]

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