



SHRI SHANKARACHARYA INSTITUTE
OF PROFESSIONAL MANAGEMENT
& TECHNOLOGY, RAIPUR



CYBERTRINITY

PRESENTS

NEWSLETTER

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SSIPMT
MUJGAHAN RAIPUR



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

VISION

"To create professionally skilled and ethically sound computer engineers to meet the evolving needs of industry and society"

MISSION

- To impart quality, innovation-driven education through an effective, outcome-based teaching-learning process.
- To nurture ethical values, creativity and novelty among students to become entrepreneurs and establish start-ups.
- Enhance strong relationship with intellectuals and industries to help learners to remain in touch with latest technologies.
- To encourage students to focus on sustainable solutions to improve the quality of life and the welfare of the society.

ARRAY OF CONTENT

1. MEMORANDUM

2. THE RISE OF PROMPT ENGINEERING

3. TECHGEEK

4. NBA VISIT

5. ACHIEVEMENTS

6. PLACEMENT

7. THE TEAM

MEMORANDUM



SHRI NISHANT TRIPATHI
CHAIRMAN (B.G), SSIPMT

What excites me most about this department is not the curriculum — it is the students. Every year I see young people walk in uncertain, and walk out ready to take on something real. That transformation never gets old. Yes, AI and cybersecurity are important. Every company wants those skills right now. But the engineers who actually make a difference are the ones who ask why, not just how. That is what SSIPMT has always tried to build. Cyber Trinity 2026 belongs to you. Own it.

Education today has to encompass more than books and tests. As we move forward, the world around us is evolving at an unprecedented pace. Technology, industry, and society are undergoing transformations that demand adaptability, resilience, and a forward-thinking mindset. SSIPMT Raipur has consistently maintained a culture where curiosity is encouraged, critical thinking is nurtured, and innovation is celebrated. We strongly emphasize values such as discipline, integrity, and teamwork, which are essential for personal and professional success. This year has been marked by remarkable accomplishments in academics, technical projects, cultural activities, and community engagement.



DR. ALOK KUMAR JAIN
PRINCIPAL, SSIPMT

FACULTY MESSAGE



MS. SHRADHA TAUNK
ASSISTANT PROFESSOR, CSE

The Department of Computer Science & Engineering at Shri Shankaracharya Institute of Professional Management and Technology (SSIPMT), Raipur, is committed to providing quality education and developing industry-ready professionals. The department promotes innovation, research, and practical learning through workshops, technical events, projects, and industrial interactions. It also focuses on enhancing students' technical skills and placement readiness through training, aptitude sessions, and career guidance.

AI is a Tool, Not a Shortcut

Artificial Intelligence has transformed the way we learn, create, and solve problems. However, its true value lies in supporting human intelligence, not replacing it. While AI can generate code, summarize information, and analyze data quickly, it cannot replace critical thinking, creativity, problem-solving, or ethical decision-making. These skills are developed through continuous learning and practical experience. As educators and learners, we must use AI responsibly—as a tool to enhance knowledge and innovation rather than as a shortcut to success.



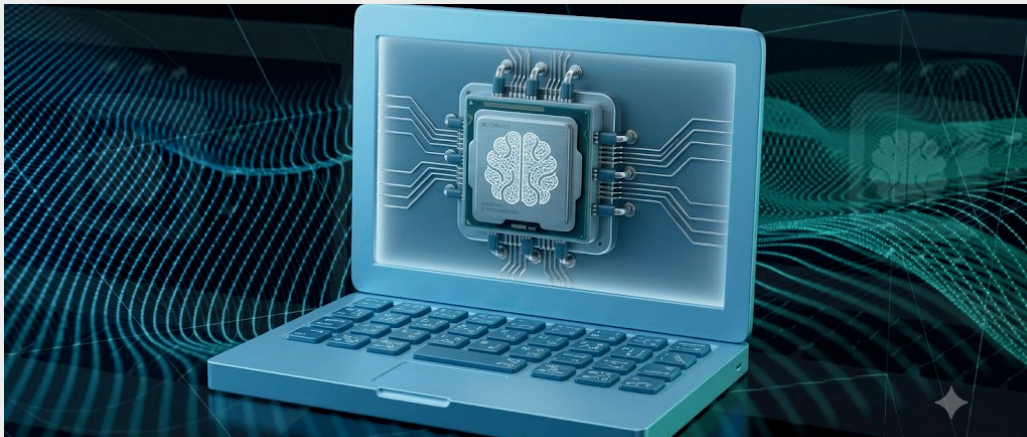
MR. TEGENDRA SAHU
ASSISTANT PROFESSOR, CSE

THE RISE OF PROMPT ENGINEERS

Artificial Intelligence (AI) has become one of the most paradigm-shifting technologies in our era. From Chatbots and virtual assistants to coding tools, image & video generation. AI systems are widely used in education, healthcare, business and entertainment industries.

Who is Prompt Engineer?

Prompt Engineering is the process of creating clear, specific, and well-structured prompts to generate accurate and relevant responses from AI systems. A Prompt Engineer understands how AI interprets instructions and designs prompts that improve the quality, accuracy, and usefulness of the output. Well-crafted prompts help AI produce more professional, context-aware, and reliable results, making prompt engineering an essential skill in modern AI applications.

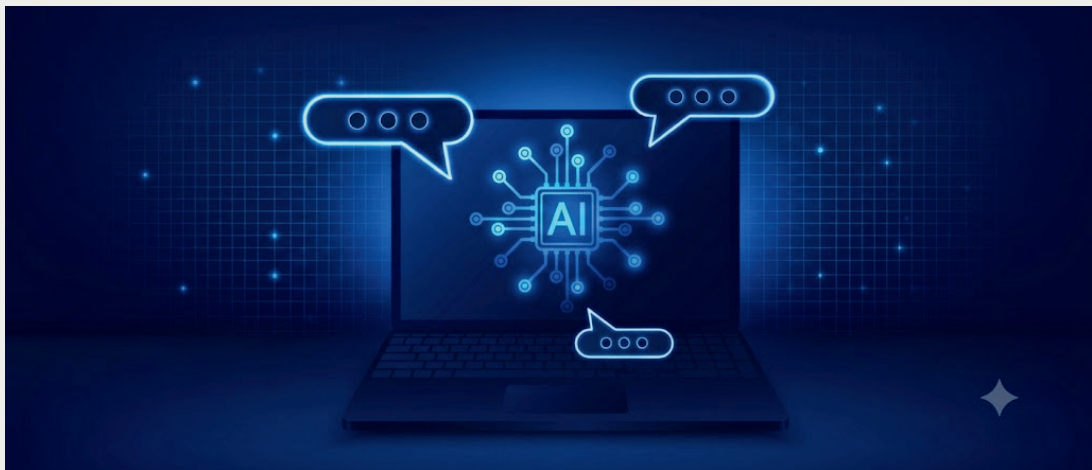


Why is Prompt Engineering important?

Modern AI models are capable of generating text, images, code, and even business reports. However, these models depend heavily on the instructions they receive. Prompt engineering helps:

- Improve accuracy: Clear prompts reduce misunderstandings.
- Save time: Users receive better results without repeated corrections.
- Enhance creativity: Well-designed prompts can inspire innovative ideas.
- Increase productivity: Businesses can automate tasks more effectively.

Despite its growing popularity, prompt engineering faces several challenges and limitations. AI systems do not always produce accurate or reliable responses, and even a well-crafted prompt may generate incomplete, incorrect, or misleading information. Prompt engineers often need to refine and test multiple versions of a prompt before achieving the desired result, which can be time-consuming. Another challenge is that different AI models may respond differently to the same prompt, making it difficult to create a universally effective instruction. In addition, there are ethical concerns related to the use of AI-generated content, such as the spread of misinformation, biased outputs, and the misuse of AI for deceptive purposes.



The Future of Prompt Engineer

As AI systems become more advanced, prompt engineering is likely to evolve further. Future tools may automate parts of the prompt creation process, but human expertise in understanding context, intent, and creativity will continue to be valuable. Educational institutions are already introducing courses on generative AI and prompt design, indicating that this field will play an important role in the digital economy.

The rise of prompt engineers reflects a major shift in how humans interact with technology. Instead of writing complex code for every task, people can increasingly communicate with AI through carefully crafted instructions.

TECHGEEK

DATA CENTERS: BOON OR DOOM

In today's world, technology has become an essential part of our daily lives. Whether we are using social media, shopping online, making digital payments, attending online classes, or using AI tools like ChatGPT, all these services rely on data centers. A data center is a facility that stores, processes, and manages large amounts of digital data. It is often called the backbone of the internet because it keeps websites, applications, and online services running 24/7.

With the rapid growth of Artificial Intelligence (AI), the importance of data centers has increased even more. AI applications such as virtual assistants, language translation, medical research, and self-driving cars require powerful servers and huge amounts of data to function. As AI continues to expand, the demand for faster and larger data centers is also growing.



However, this growth also brings challenges. Data centers consume a significant amount of electricity and water for cooling, which increases energy costs and impacts the environment. If not managed properly, this can put pressure on natural resources and contribute to carbon emissions.

To address these issues, companies are developing innovative solutions such as Project TeraFab, which focuses on building modular and energy-efficient AI data centers. Researchers are also exploring space-based data centers, which could use solar energy and the naturally cold environment of space to reduce cooling costs and carbon emissions.

Another interesting solution is the idea of underwater data centers. Instead of building large facilities on land, servers are placed inside sealed containers under the ocean. The cool seawater naturally keeps the servers at a safe temperature, reducing the need for expensive cooling equipment. This not only saves electricity but also helps lower operating costs and reduces the environmental impact of data centers. Another promising approach is NVIDIA's distributed computing. Instead of depending on one huge data center, computing tasks are shared across multiple connected systems located in different places. This method improves efficiency, reduces the workload on individual data centers, saves energy, and provides better reliability. It also allows AI applications to run more smoothly and efficiently.



Looking at both sides, it is clear that data centers are both a boon and a challenge. They have transformed the way people communicate, work, study, and access information. They support innovation, improve business operations, and make AI technology possible. At the same time, their increasing demand for electricity, water, and land cannot be ignored. If proper planning and sustainable practices are not followed, the environmental impact may become a serious concern in the future.

In conclusion, data centers are essential for modern life and will become even more important as technology continues to advance. Instead of seeing them only as a boon or a doom, we should focus on making them more sustainable. Initiatives like Project TeraFab, NVIDIA's distributed computing show that technology itself can provide solutions to the problems it creates.

NBA ACCREDITATION

Most engineering colleges in India have accreditation mentioned somewhere on their website.

Very few have actually earned it repeatedly, under scrutiny, with no shortcuts.

SSIPMT, Raipur is one of those few.

The National Board of Accreditation does not work on trust. It walks into your department, checks your labs, sits with your faculty, looks at how your students are actually performing and then decides. SSIPMT has gone through that process three times and come out accredited every single time.

That kind of consistency does not happen by accident. It happens when a college genuinely invests in its students year after year better infrastructure, stronger teaching, and an environment where learning is taken seriously.

Add a NAAC A+ grade on top of that, and the picture becomes clear.

SSIPMT is not the loudest college in Chhattisgarh. It is simply one of the most consistent -and in education, consistency matters far more than noise.



STUDENT ACHIEVEMENT



Team Shoora from SSIPMT delivered an exceptional performance at Ojass, the annual techno-management fest of NIT Jamshedpur, by securing multiple top positions across diverse events. The team emerged as winners in Cosmoclench, Robowar (8 kg category), and Aqua Race, while also achieving runner-up positions in Robowar (15 kg category) and Aqua Race. Competing against highly skilled teams from across the country, Team Shoora showcased remarkable technical expertise, innovation, and teamwork.

Their success reflects strong problem-solving abilities, strategic execution, and dedication to excellence. This outstanding achievement highlights the institute's commitment to fostering practical learning and competitive spirit among students. Team Shoora's performance not only brings pride to SSIPMT but also inspires fellow students to participate actively in technical fests and push the boundaries of innovation.

FACULTY ACHIEVEMENT



DR. KESHIKA JANGDE
ASSISTANT PROFESSOR, CSE

Dr. Keshika Jangde has been awarded the degree of Doctor of Philosophy (Ph.D.) in Computer Science and Engineering by SRU, Raipur(C.G.). Guided by Dr. Ranu Pandey, she successfully completed her thesis titled “An Intelligent Multimodal Deep Learning System for Early Diagnosis and Detection of Oral Cancer Classification”. This accomplishment, bolstered by significant research contributions, showcases her commitment, scholarly rigor and innovative approach to tackling critical challenges in healthcare technology through advanced computer science methods.

FACULTY ACHIEVEMENT



DR. YOGESH KUMAR RATHORE
ASSOCIATE PROFESSOR (CSE)

The Department of Computer Science and Engineering at SSIPMT is a hub of faculty excellence where scholarly achievements are always accompanied by meaningful academic involvement. Dr. Yogesh Kumar Rathore's internationally recognized research contributions, as evidenced by Springer Nature publications, substantial citation impact, and sustained scholarly output, exemplify a culture that values rigorous inquiry and intellectual leadership, while faculty-led initiatives continue to translate research into broader academic influence. The workshops and professional development sessions of the department are equally important as they expose students to innovation, entrepreneurship and critical thinking under the guidance of experienced academicians. Such accomplishments create an academic environment where research, mentorship and dissemination of knowledge are the engines of progress and the stamp of an enduring institution.

PLACEMENTS

Every year campus recruitment drives are conducted to provide students opportunities in leading IT, core engineering and consulting companies. The Training and Placement Cell works hand in hand with the recruiters and conducts the aptitude and interview preparation sessions and helps the students to strengthen their technical as well as communication skills.

Our department has always given great results with the 2020-24 batch achieving 121 placements and the highest package touching 22 LPA. The 2021-25 batch has already seen 100+ placements with a top offer of 21 LPA and the numbers are going up.

The good thing is that the consistency is consistent through the years. Students have shown that commitment, hands-on skills, and the right mentorship truly do lead to fulfilling careers, from dream offers to good entry-level positions

ALFATRONIX



Rounak Choubey



Pragati Dhuradhar



Vanshika Thakur



Dhanendra Kumar
Sahu

STRATVIEW RESEARCH

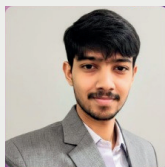


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ZENUS GROUP



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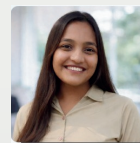


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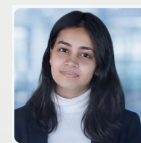


Vrinda Swarup

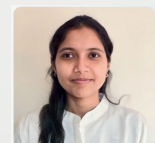
CAPGEMINI



Sunidhi Verma



Purvika Jain

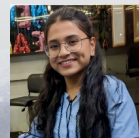


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**Shri Shankaracharya Institute of Professional
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