

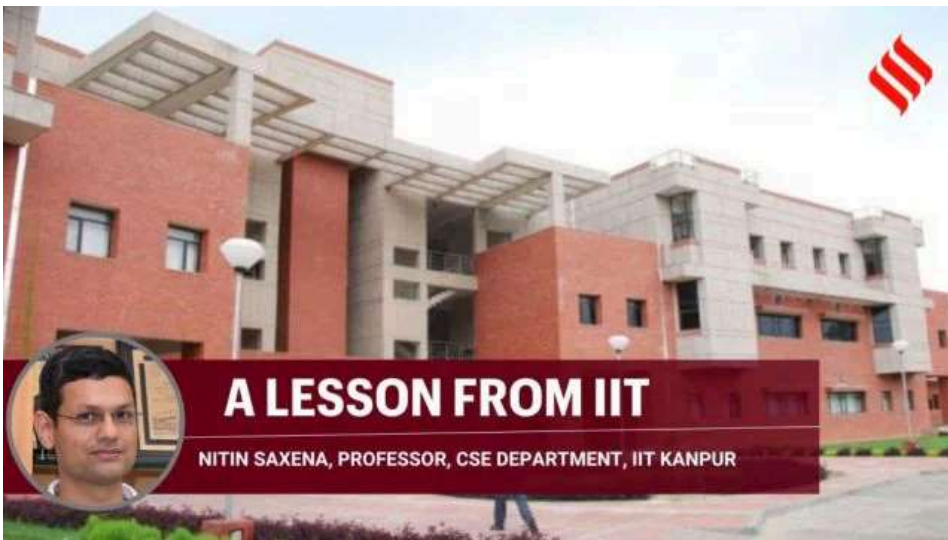
NewsEducation A Lesson from IIT | Here's why you should choose CSE from IIT Kanpur

# A Lesson from IIT | Here's why you should choose CSE from IIT Kanpur

Hackathons, workshops, and student-led initiatives further enhance the learning experience, preparing students for a successful career in the competitive tech industry.

By: **Education Desk**

New Delhi | Updated: June 29, 2024 11:00 IST



IIT Kanpur has a rich tradition of fostering innovation and entrepreneurship, says IITK faculty. (Representative image)

— *Nitin Saxena*

Technology is rapidly evolving and reshaping education and employment. For those of you who have just passed your 12th grade, are currently enrolled in, or aspire to join the prestigious Computer Science and Engineering (CSE) branch at an IIT, the journey ahead is filled with promise and potential.

## Promise of Computer Science Engineering (CSE) at IIT Kanpur

Choosing to pursue CSE at IITK is about becoming part of a legacy and creating the future. The CSE branch at IIT Kanpur, one of the pioneering institutions in this field, offers an unparalleled education that combines foundational knowledge with cutting-edge advancements. The curriculum is designed to stay ahead of the technological curve, integrating the latest developments in artificial intelligence, blockchain, and Web3. Our curriculum covers the ground of the last 40 years and prepares you for the future market. This holistic approach ensures that graduates are not only well-versed in the core of computer science, but also adept at applying their knowledge in practical, real-world scenarios.

ADVERTISEMENT

---

**Read | IIT Kanpur's 57th convocation on June 29, over 2,000 students to get degrees**

---

### **Relevance of CSE in an AI-driven world**

In a world driven by artificial intelligence and automation, the role of human ingenuity remains irreplaceable. While AI, and tools like ChatGPT, are transforming industries by automating routine tasks, they also open new avenues for innovation and problem-solving. To remain ahead in this game, you need upskilling and adaptability. Skilled engineers will continue to be at the forefront of technological advancements, working alongside AI to push the boundaries of what is possible. Responsible engineers will always be needed who can discern between beneficial and harmful tools.

### **Addressing concerns: Will AI take over jobs?**

The advent of AI has sparked widespread concerns about job displacement. However, the reality is more nuanced. According to a 2023 report by the World Economic Forum, AI is expected to create millions of new jobs, even as it transforms existing ones. The demand for skilled professionals, particularly in fields like AI, machine learning, and data science, is projected to grow exponentially. This underscores the importance of choosing a dynamic and future-ready educational program like CSE at IITK, which equips students with the skills needed to thrive in an AI-driven world.



The Indian EXPRESS  
PREP FOR UPSC with the best  
OPINION, DAILY EXPLAINERS, INVESTIGATIONS ALONG WITH UPSC KEY  
SUBSCRIBE NOW

---

**Read | IIT Kanpur scholarships for UG, PG students**

---

### **The transformative power of education at IIT Kanpur**

IIT Kanpur's CSE program nurtures science-based thinking, problem-solving skills, and ethical-social responsibility, recognizing that the impact of AI extends far beyond technical skills. The institution's state-of-the-art labs and centers provide a hands-on learning environment, where students can innovate and develop real-world applications.

Courses in AI, machine learning, and IoT system design are integral part of the CSE program, offering a comprehensive understanding of these transformative technologies. Students have the opportunity to learn from world-class faculty, participate in groundbreaking research, and engage in internships and industry collaborations that provide real-world experience.

### **Embracing the future: Innovation and entrepreneurship**

IIT Kanpur has a rich tradition of fostering innovation and entrepreneurship. The institute's incubation centre supports students in turning their ideas into successful businesses. Its strong ties with big government agencies, leading technology companies, and the vast IITK Alumni network, offer valuable internship, collaboration, mentoring, and placement opportunities. Hackathons, workshops, and student-led initiatives further enhance the learning experience, preparing students for a successful career in the competitive tech industry.

ADVERTISEMENT

### **The path forward**

As you embark on your journey toward becoming an IITian or a future engineer, remember that the choices you make today will shape your tomorrow. Embrace the opportunities that lie ahead, trust in your abilities, and seek out institutions that offer the mentorship and infrastructure needed to propel your career. Choose IIT Kanpur for its engineering-curriculum that is based on science, for its flexible and diverse programs, for its dynamic student body and powerful Alumni worldwide. By choosing the CSE branch at IITK, you are not just preparing for a career—you are preparing to lead the next wave of technological innovation. What IITK teaches you—thinking, ingenuity, and adaptability—will become your greatest assets.

*(The writer is a professor at the Department of Computer Science and Engineering, IIT Kanpur)*

*(A [Lesson from IIT](#) is a weekly column by an IIT faculty member on learning, science and technology on campus and beyond. The column appears every Friday)*

© IE Online Media Services Pvt Ltd

First uploaded on: 28-06-2024 at 10:04 IST