



भारतीय प्रौद्योगिकी संस्थान मुंबई
INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

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IIT Bombay Launches e-Post Graduate Diploma in Integrated Circuits (IC) Design in Practice

Mumbai | June 12, 2025: IIT Bombay is excited to introduce its pioneering e-Postgraduate Diploma (ePGD) in Integrated Circuits (IC) Design in Practice, with Simplilearn as the Ed tech partner. This is an exclusive online curriculum designed to empower professionals and students with cutting-edge expertise in semiconductor technology. Developed and delivered by faculty from the Department of Electrical Engineering, this 12-month diploma equips learners with in-depth knowledge in semiconductors; digital, analog and mixed-signal design flows, RF and MMIC circuit design and SerDes circuit design. Graduates will receive a diploma from IIT Bombay after earning 36 credits, enhancing their credentials in the evolving semiconductor landscape.

India is fast-tracking its rise as a semiconductor hub. IC design is becoming one of the essential skills for the workforce as the country builds a full-stack chip ecosystem through strategic policies, global partnerships and a focus on self-reliance.

Speaking about this new diploma offering, Prof. Shireesh Kedare, Director of IIT Bombay, stated, “We want to make learning more accessible to a wider pool of learners including working professionals. With these initiatives, we are moving closer to delivering specialized training in IC design, strengthening technical knowledge of learners. This will enable professionals to advance their careers in semiconductor technology and explore emerging opportunities in high-performance computing and wireless communications. India's semiconductor potential has been a major focus in recent years, and we are optimistic about becoming global leaders in the domain. IIT Bombay firmly believes the program will contribute to our mission of creating a large pool of trained personnel who will be able to contribute to advanced technology development for the benefit of the nation.”

The ePGD welcomes engineering graduates or professionals for this online diploma designed to provide advanced education and highly valued skills. The

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seven courses spread across twelve months will be taught by IIT Bombay faculty, allowing learners to experience a worldclass training and study with a curriculum that prepares learners with specialized exposure aligned with global professional standards.

Speaking about the launch, Mr. Kashyap Dalal, Co founder and Chief Operating Officer of Simplilearn, said, “Earning an e-Postgraduate Diploma in IC Design from IIT Bombay is not just an academic milestone but a mark of excellence, signifying world-class education and industry-relevant expertise. It offers high-quality resources, including top-tier study materials, to ensure an enriching learning experience. We are extremely thrilled to join forces with IIT Bombay. Together, we aim to shape learners who will make futuristic contributions towards IC design.”

To learn more about the e-Postgraduate Diploma in Integrated Circuits Design in Practice, visit: <https://www.ee.iitb.ac.in/~epgd/courses/analog-mixed-signal-rf-ic-design.php>

About IIT Bombay

The Indian Institute of Technology Bombay, set up in 1958 as the second IIT, is recognised worldwide as a leader in the field of science and engineering education and research. The Institute was granted the status of 'Institution of Eminence' by the Ministry of Education (the then Ministry of Human Resources Development) on July 9, 2018. IIT Bombay is reputed for the quality of its faculty, cutting edge research, industry relations and the outstanding calibre of students graduating from its undergraduate and postgraduate programmes. The Institute has 17 academic departments, 35 other academic entities (Centres/ Programmes/ Academic facilities/ Hubs/ Externally funded centres and Labs) and three schools. Over the last six decades, more than 75,000 engineers

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and scientists have graduated from the Institute. It is served by 751 faculty members and about 150 visiting and part-time faculty considered not only amongst the best within the country but also highly recognised in the world for achievements in the field of education and research. On June 4, 2024, IIT Bombay was ranked 1st in India and 118th in the world in the Quacquarelli Symonds (QS) World University Rankings for 2025. On March 12, 2025, IIT Bombay was ranked 28th in Engineering and Technology in the Quacquarelli Symonds (QS) World University Rankings by Subject for 2025.

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