



INDIAN INSTITUTE OF TECHNOLOGY BHILAI: A BRIEF PROFILE

भारतीय
प्रौद्योगिकी
संस्थान
भिलाई

Introduction

Indian Institute of Technology Bhilai (IIT Bhilai) is a research-intensive institute that strives to achieve excellence by maintaining the highest standards of academic governance, with a relentless focus on teaching, education and research. Transparency, fairness and accountability are three proud hallmarks of the ways IIT Bhilai manages its academic and administrative affairs.

The primary mission of this institute, in a word, is to create and sustain an academic climate that is vibrant and exciting enough to nourish and support all forms intellectual pursuits. IIT Bhilai is committed to undertaking research projects and teaching assignments that cater to national and societal interests from the standpoints of economic growth, employment opportunities, military needs, digital literacy or any other pressing national issues. In this venture, the institute ardently aspires to partner with other leading academic institutes and industry associates, engage with them in research collaborations for embarking on cutting-edge technological innovations, leading to the development of a deep and sustainable cooperation among the researchers, entrepreneurs and scientific pioneers across India and abroad.

Origin

IIT Bhilai is one of the 6 new IITs established in 2016 by the Ministry of Human Resource Development (MHRD), Government of India. The institute currently functions from its transit campus at the Government Engineering College (GEC) Raipur, Chhattisgarh. The state government of Chhattisgarh has already allotted 442 acres of land in Bhilai and Naya Raipur for building the permanent campus; the process to build the permanent campus has been started, and the institute expects to move to its new campus in a few years.



Leadership



Prof. Rajat Moona is the founding director of IIT Bhilai. He joined the institute in March 2017, after completing his term as the Director General of the Centre for Development of Advanced Computing (C-DAC), India, during 2011 - 17. He is also a professor of computer science at IIT Kanpur, and is currently on deputation to build and develop IIT Bhilai.

With his joining the institute, IIT Bhilai now stands to benefit greatly from his extensive research, teaching and administrative experience of working in both academia and industry in various high-profile projects, such as those on electronic voting machines, and on electronic toll collection systems.

Until the time Prof. Moona joined, IIT Bhilai had been under the able guidance of its mentor director Prof. Uday B. Desai, who is the current and founding director of IIT Hyderabad.

Academic Programs

IIT Bhilai started its first academic session in July 2016 with the B.Tech. program in three engineering disciplines: Computer Science and Engineering (CSE), Electrical Engineering (EE) and Mechanical Engineering (ME). A year later, M.Tech. program was also started in those three disciplines. In addition to the above programs, at present, IIT Bhilai offers PhD programs in the aforementioned three engineering disciplines as well as Chemistry, Mathematics and Physics.



Students

IIT Bhilai is one of the fastest growing institutes in India; at present, about 250 students are enrolled at the institute in various undergraduate, master's and PhD programs. It is expected that the students' strength will grow close to a thousand within the next 5 years.

IIT Bhilai student body (namely, IIT Bhilai Gymkhana) is extremely dynamic and administratively well-structured; it very regularly organizes events and other activities helpful for the overall growth of the students. TechMaitry, the annual technological festival of the institute, has been inaugurated this year, and already very popular even among students outside of the institute.



Faculty

Even in this very short period of time – a little more than a year – IIT Bhilai has been able to recruit very bright and accomplished academicians and researchers from around the world as faculty members. They have academic degrees and experiences from the best of the universities and laboratories in India and abroad. Their works and research contributions have been consistently recognized by various prestigious awards and fellowships, such as Ramanujan fellowship and Fulbright scholarship.



Research

IIT Bhilai envisions itself to soon become a center of excellence for cutting edge research in basic sciences, liberal arts, and engineering and technology. Although very small in number, IIT Bhilai faculty members are actively engaged in a number of research projects of utmost national and global interests; electronic voting machines, photovoltaics, renewable energy, microfluidics, astro-particle physics, blockchains, organometallic analysis, pattern recognition, social networks, advanced machining process, laser-plasma interactions, and biodegradable polymers are some of them.

Facilities

Although, for only about a year in existence, IIT Bhilai has already developed four state-of-the-art laboratories: 3-D printing, fabrication, electrical engineering, and computer. An institute library, having a decent collection of textbooks and references, is now functioning from the second floor of the academic block, and is expected to be overhauled soon for housing much bigger collections of books.



Contact

We invite you to explore, from time to time, the fascinating journey of IIT Bhilai by visiting <https://www.iitbhilai.ac.in/> or by writing email at newsletter@iitbhilai.ac.in

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