Ranking at a Glance

NIRF - 40th
ARIIA - 26th-50th
Nature Index
India Ranking: 10th
Chemistry & Life Sciences
India Ranking: 7th

Research & Development Projects
208 Current year with financial outlay of about Rs. 118 Crores.

Academic Programmes
- BS
- BS-MS
- Integrated MS-Ph.D.
- and Ph.D. Programmes

Academic Departments
- Physics, Mathematics, Chemistry, Biology
- Earth & Environmental Sciences
- Humanities & Social Sciences
- Data Science & Engineering
- Chemical Engineering
- Electrical Engineering
- & Computer Science and Economic Sciences

Research Publications
Total Publication: 2002
Patents: 43

A Brief Profile
January, 2021

Indian Institute of Science Education and Research Bhopal
A Brief Institutional Profile

The Genesis

The Indian Institute of Science Education and Research Bhopal (IISER Bhopal) was established by the Govt. of India on February 20, 2008 and the first Academic Session of IISER Bhopal began on August 16, 2008 from the Transit campus. The Institute is currently governed by the NITSER (Amendment) Act, 2017 and the Statutes of IISERs.

Though, the Institute was youngest of the first five IISERs established, in a very short span of time, in the first decade itself, received several distinctions, duly carving out its own position in the national and international arena.

Vision

The vision of the Institute is to provide high quality education to undergraduate, postgraduate, and doctoral students. The Institute also aspires to contribute to the society through teaching and research to help achieve global sustainability. Further, the Institute aims to produce leaders in science and related disciplines.

Mission

- To establish, build, and sustain an Institution of the highest caliber by the complete integration of teaching and state-of-the-art research
- To make learning in science and other knowledge streams exciting through excellent integrative teaching strategies driven by curiosity and creativity
- To facilitate and promote entry into research at an early age through a flexible borderless curriculum and research projects
- To impart and nurture a variety of skills that prepare students for outstanding careers across the world, in various areas, including academia
The First IISER to have been declared by the MHRD for Project Completion

A land of 200 acres was allocated at Bhauri village for the permanent campus and the Foundation stone was laid by the then HRM on October 8, 2008. All the functional offices started moving in the permanent campus in May 2013 in different phases and the campus was completed in the year 2016 as per the report submitted by the Appraisal Committee on August 4, 2016 in accordance with the Detailed Project Report approved by the Union Cabinet of India. The Govt. of India approved for a total cost of ₹ 441.00 Crores for construction works, ₹ 187.00 Crores for equipment besides recurring expenditure, towards grant in aid for salaries for completion of the project in a very successful manner. IISER Bhopal is one of the earliest developed campuses and the Govt. of India formally declared that the project was completed in its full sense on April 9, 2018.

The Ranking with International Recognitions

The Institute has been continuously consolidating its position in the National and International rankings and has secured following positions from various ranking agencies:

- The National Institutional Ranking Framework (NIRF) adjudged that IISER Bhopal was 40th in the overall ranking of Indian educational institutions.
- IISER Bhopal received a rank Between 26th – 50th in Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2020.
- In the QS-Asia Rankings 2021, IISER Bhopal received an overall rank: 201 (650 institutions and 106 new entrants). 109 institutions in India were ranked.
- IISERB among the top 31% in the QS World University Rankings : ASIA.
- In the latest Times Higher Education 2021 World ranking, IISER Bhopal is ranked as follows:

  **National Rank (India):** 26th overall out of 63 in the top 1000.

  **Global Rank:** 801-1000 (Only 63 Indian Institutions/Universities are in the world's top 1000)

The rest of our ranking (in India) in various subjects are as follows:

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<th>Subject</th>
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<tr>
<td>Teaching</td>
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<td>Citations</td>
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<td>Economics</td>
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- IISER Bhopal has secured 10th spot in India in the ranking released by Nature Index for the year 2020. When it comes to Life Sciences and Chemistry, IISER Bhopal is 7th best in India, according to Nature Index list.
- IISER Bhopal is going to participate in NIRF ranking 2021 for the rankings categories “Overall” and “Research Institutions” (newly introduced this year). The Institute witnessed significant improvements in terms of faculty-student ratio and graduation outcomes in the past year.
The Academic Departments and Programmes of International Repute

Currently there are 10 Academic Departments viz., Biological Sciences, Chemical Engineering, Chemistry, Data Science and Engineering, Earth and Environmental Sciences, Economic Sciences, Electrical Engineering and Computer Science, Humanities and Social Sciences, Mathematics and Physics, offering BS, BS-MS, Integrated MS-Ph.D. and Ph.D. programmes in various disciplines. IISER Bhopal is the only IISER till date to have started Engineering Sciences.

The Admission Methodology through Multi-layer System

The admissions for the under-graduate programme are done through three channels: JEE (Advanced), KVPY and State and Central Boards. Currently, the registered student's strength in the Institute is 1935, out of which 1366 are under graduates and 569 are Ph.D., Integrated Ph.D. The percentage of female students in the Institute is about 34%.

Being the largest IISER in terms of student strength, IISER Bhopal admits about 330 Under Graduate students, 175 PhD students and 75 Integrated PhD students each year. The Institute also started admitting students under EWS Quota for the economically weaker sections from the AY:2019-20 itself without any backlog as per Govt. of India mandate.
The Students’ Strength and Growth Plans

The IISER Bhopal has the potential and plans to increase the student strength twice the normal mandate i.e. from 1950 to 3000 in the next 5 Academic years, commencing from 2020-21 up to 2024-25 in order to achieve the National objectives of increasing the gross enrollment ratio and utilizing the resources in an optimal manner.

The Faculty Strength and Human Resource

There is a continuous drive to recruit faculty members in all disciplines keeping in mind the global academic requirements and to meet the ever-increasing demand of quality teaching and research. The current faculty strength in the Institute is 151 including offered and the current non-teaching staff strength is close to 100. Besides the regular staff strength, there are several Research and Scientific staff members hired for specific period to exclusively help the Research and Consultancy Projects funded by several Government and Non-Government Organizations.

Deartment wise Faculty Strength
Total Faculty: 151, Sanctioned Strength: 158
(As on Jan 19, 2021)
The Research and Development Sponsored and Consultancy Projects

The Institute has about 208 number of running R&D projects with a total financial outlay of about ₹ 118 Crores. A total of 268 projects have already been completed since its inception with a financial outlay of ₹ 64.25 crores.

The Research Publications in International Journals of Repute, Patents and MoUs

Also, the Institute published about 2002 research papers in the international journals of high repute as on January 19, 2021. About 13 patents have also been registered for grant of patents and a total of 26 National and International MoUs have been entered in for forging alliances with academic and research Institutes of high repute across the globe.

Total Publication : 2002
The Graduate Outcome

A total of 10 BS, 764 BS-MS, 65 MS, 174 Ph.D. students have graduated with a total alumni base of 1013, having secured placement of about 79% overall of the graduates, including securing research and academic fellowships from various national and international level Institutes of high repute, so far.

Graduate Outcome

Innovation and Incubation Centre for Entrepreneurship (IICE)

Innovation and Incubation Centre for Entrepreneurship (IICE) is an umbrella organization at IISER Bhopal for fostering entrepreneurship and nurturing technology start-ups. It administers a technology business incubator which provides 'Start to scale' support by providing office space, research support and mentorship for technology-based entrepreneurship and facilitates the conversion of research activity into entrepreneurial ventures.

The Green Campus and Sustainable Environmental Initiatives

The Institute has the best infrastructure for research and academic support system, a very lush green campus environment, about half mega watt capacity solar power plant with zero investment on private partnership, a human-made lake for rain water harvesting, about 50 recharge wells for 100% storm water recharging, 100% reuse of the recycled water through sewage treatment plant and drinking water supply project commissioned by Bhopal Municipal Corporation with the contributory and leadership efforts put in by IISER Bhopal, which is catering to the neighboring academic institutes and the entire Bhauri area.
The Ongoing Infrastructure Development

The Institute as part of its future expansion plans has started building one hostel for accommodating 700 students, dining hall, 2 blocks of academic buildings, 2 towers of faculty housing in order to accommodate the ever-increasing students and faculty strength, commensurate to the expansion plans.

Societal Initiatives

The Institute undertakes various societal initiatives such as Ishan Vikas Program (introducing school children from the North-Eastern states), Rashtriya Avishkar Abhiyan (inculcate love for science and mathematics, to improve school science facilities and mentor teachers in nearby villages), Unnat Bharat Abhiyan (uplifting rural livelihood in neighbouring villages Mubarakpur, Kurana, BarkhedaBondar, Barkheda Salam, Bakania, KhetlaKhedi, KhaarKhedi, KhajuriSadak). “Prayaas” a voluntary IISERB students initiative, also visit nearby schools every Saturday and conduct Science and Maths classes for standards VI - XII.

The Futuristic Plans and Support needed from the Government of India

The Board of Governors of the Institute recommended for expansion of the Institute for achieving higher academic and research output and in-principle recommended the following expansion plans for new Departments / Centres of Excellence and the related Infrastructure for achieving a strength of upto 3000 students in the next 5 Academic Years, upon receiving necessary approval by the MHRD, the Govt. of India for additional Grant-in-aid for Capital Expenditure:

- Center of Excellence for Forces in Nature.
- Center of Photonic Sciences and Engineering.

The Institute is fully equipped in all respects. However, the academic Institutes around Bhauri need to be connected with city bus facility to mitigate the hardships of the employees, students and the supporting service providers and daily wagers, which is long awaited.

Virtual Centres of Excellence

Support @ IISER Bhopal


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भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल
Indian Institute of Science Education and Research Bhopal

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