



ACADEMIC PROFILE

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR



www.iitbbs.com



ABOUT THE INSTITUTE

Established in 2008, IIT Bhubaneswar aims to integrate education, research, and industry, offering a range of programs such as B.Tech., M.Tech., M.Tech. in Blended Mode, M.Sc., MS by Research and Ph.D. The institution features cutting-edge facilities and labs, with faculty engaged in varied research and industrial projects. Collaborations with prestigious universities, research institutions, and industries are the highlights that enhance its academic standing. With a vision to attain global recognition through exceptional graduates and innovative research, IIT Bhubaneswar fosters a learning community that promotes interdisciplinary collaboration and encourages creativity, cognitive thinking, and entrepreneurship. The mission of the Institute includes nurturing a learning community based on mutual respect, interdisciplinary collaboration, innovation, flexible curricula, and strong industry academia partnerships.

Currently, the Institute has total 1867 students in various branches of Bachelor of Technology programme and Dual Degree Programme viz Civil Engineering, Computer Science & Engineering, Electrical Engineering, Mechanical Engineering and Metallurgical & Materials Engineering along with 196- M.Sc., 344-M.Tech., 450-Ph.D., 49-ITEP and 2-MS by Research, with an overall total of 2908 students.

PEOPLE



Prof. Chandrashekhar Narayan Bhende
Dean - Post Graduate & Research Programs



Prof. Shantanu Pal
Dean - Under Graduate Programs



Mr. Pradeep Kumar Sahoo
Deputy Registrar Academics



Mr. Satyajit Sarangi
Section Officer



Mrs. Nibedita Patnaik
Section Officer

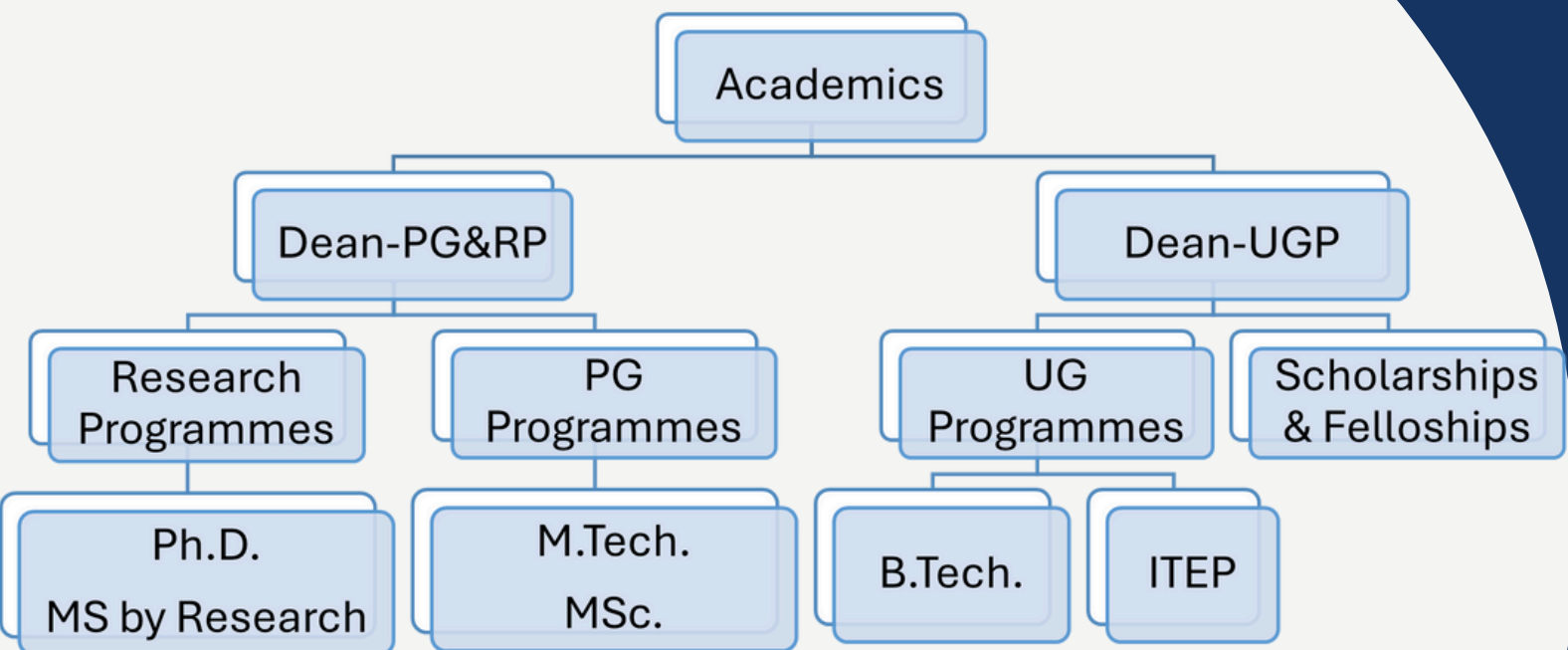


Mr. Abhimanyu Mahal
Section Officer



Mr. Rajasekhar Bendi
Section Officer

ORGANIZATION STRUCTURE





ACADEMIC SECTION CONTACT

Type of the Institute: Indian Institute of Technology

Complete Mailing Address:

Indian Institute of Technology Bhubaneswar (IITBBS), Argul,
Jatni, Khurda, PIN: 752050

Contact Person for Admission: Mr. Pradeep Kumar Sahoo

Designation: Deputy Registrar (Academics)

Email: academic.btech@iitbbs.ac.in

Phone Nos: 0674-7134574



PROGRAM-WISE STUDENT STRENGTH



Sl. No.	Name of the Course	Duration	Intake	Admitted Students in the AY 2023-24			Total Students strength in the AY 2023-24		
				Male	Female	Total	Male	Female	Total
1	B. Tech.	4 Years	355	263	66	329	1063	267	1330
2	Dual Degree	5 Years	120	91	23	114	426	111	537
3	ITEP	4 Years	50	20	29	49	20	29	49
4	M. Sc.	2 Years	125	65	30	95	130	66	196
5	M. Tech.	2 Years	296	171	32	203	289	55	344
6	M.S (Research)	2.5 Years	100	2	0	2	2	0	2
7	Ph. D.	5 Years	728	85	44	129	316	134	450
Grand Total			1774	697	224	921	2246	662	2908





The Institute promotes a border-less interdisciplinary academic environment to encourage the academic staff and students to work together through the concept of Schools. Currently, the Institute has School of Basic Sciences; School of Earth, Ocean and Climate Sciences; School of Electrical Sciences; School of Humanities, Social Sciences and Management; School of Infrastructure; School of Mechanical Sciences and School of Mineral, Metallurgical and Materials Engineering.



FEE STRUCTURE

Particulars of Fee		B.Tech.	B.Sc.-B.Ed.	M.Sc	M.Tech	Ph.D/MS-R
One Time Caution Money (refundable)		12,000	12,000	12,000	12,000	12,000
One Time Fee (at the time of admission only)		8,000	8,000	8,000	8,000	8,000
Annual Medical Insurance (As per actual)		2,390	2,390	,2390	2,390	2,390
Semester Registration Fee	Tuition Fee	1,00,000	5,000	5,000	5,000	5,000
	Other Fee	9,500	9,500	9,500	9,500	9,500
Semester Hostel Charges	Mess Advance	18,000	18,000	18,000	18,000	18,000
	Hostel Establishment Charges	9,500	9,500	10,500	10,500	10,500

N.B:

- 100% Tuition fee waiver for SC/ST/PwD Students.
- Tuition Fee for Sponsored M.Tech/ Ph.D/ MS-R students is Rs 25,000/-.
- During Temporary Withdrawal: Registration Fee is Rs. 1,800/- + Tuition Fee as applicable for each semester.
- Hostel Establishment Charges of Rs. 9,500/- for B.Tech. B.Sc.- B.Ed students exclude the vacation period. Additional charges of Rs. 500/- per each 15 days or part of it during the vacation period.
- Hostel Establishment Charges of Rs. 10,500/- for M.Sc., M.Tech., Ph.D. and MS-R students include the vacation period.
- Hostel Establishment Charges for Married Scholars Hostel is Rs. 12,000/- (Electricity charges additional as per actual).
- Medical Insurance & Hostel Charges are subject to change from time to time.
- Tuition Fee for Foreign Nationals:
 - SAARC & Least Developed Country:

For B.Tech- Tuition Fee @ Rs. 2.0 lakh per annum + other applicable charges

For M.Sc./M.Tech./ Ph.D. & MS-R- Tuition Fee @ Rs. 5,000/- per annum + other applicable charges

(ii) Non-SAARC & Developed Country: Tuition Fee @ Rs. 6.0 lakhs per annum + other applicable charges.

ACADEMIC STRUCTURE



The Institute presently offers the following programs:

- B.Tech. Programs (4 Years/8 Semesters)
- Dual Degree Programs (5 Years / 10 Semesters)
- B.Sc.-B.Ed Program (ITEP)
- M.Tech Program
- M.Tech in Blended Mode
- MS by Research
- MSc. Program
- PhD Program

There is a provision for B.Tech. students to choose an M.Tech. Programme within the concerned discipline (5-year Dual Degree) after completion of 3rd year (sliding mode). The modalities are similar to a 5-year B.Tech.-M.Tech. dual degree programme.

The credit-based curriculum for B. Tech. programme is spread over 8 semesters and includes summer internship, as well as research projects. For evaluation in a subject, the Institute follows a seven-point grading system with letter grades and the corresponding grade points per credit. The Cumulative Grade Point Average (CGPA) is computed at the end of each semester. The CGPA obtained by a student reflects his/her performance up to and including that semester.

CURRICULUM AND PEDAGOGY

IIT Bhubaneswar's educational approach is characterized by a robust and comprehensive curriculum that emphasizes technical proficiency, augmented by extensive laboratory exercises. The pedagogy not only nurtures creativity and innovation but also strives for human excellence among its students. In addition to core technical subjects, students are exposed to a wide array of courses such as General Studies, Current Affairs, Entrepreneurship, Small Business Management, and Odissi Dance. The curriculum is further enriched with cutting-edge courses like Big Data Analytics, Cybersecurity, and Cloud Computing. The institute also allows students to enrol in select Video Courses (National Programme on Technology Enhanced Learning) & Massive Open Online Courses (MOOCs) and offers a diverse range of electives. The learning environment is supported by state-of-the-art facilities, including e-Classrooms, to facilitate ICT-based enhancements.



NEW PROGRAMS



Blended-mode M.Tech. Degree in ‘Advanced Maintenance Technology’:

Timely maintenance of equipment and systems in industry is key to sustainability of operations, productivity and quality. The new M.Tech. Program aims to educate and train engineers working in industries so as to enhance the sustainability and productivity of industries and increase industry-academia interaction. The interdisciplinary Program offers a modern mix of relevant and advanced courses from mechanical, civil, electrical, metallurgical and materials engineering, with a special focus on maintenance issues related to corrosion, welding, vibration, structures, and also development of digital twins for diagnosing failures. The registration details are available at: https://webapps.iitbbs.ac.in/mtech_blended-app/. This Program also includes the study and application of “Chaos in dynamical systems”. One research group has already discovered a new chaotic attractor, which has been successfully tested in some industrial systems for failure detection. This attractor is proving vital for failure prediction/detection in dynamical systems.



NEW PROGRAMS



M.Tech. Degree Program in Semiconductor Technology & Chip Design:

India's Semiconductor Mission (ISM) is propelling the country as a global electronics manufacturing and design hub. Recent milestones include a new semiconductor fab and two Outsourced Assembly and Testing (OSAT) facilities, with a total investment of INR 1.25 Lakh Crore. The related projects will create thousands of technology jobs and start-up opportunities, producing chips with 28 nm, 40 nm, and 90 nm transistors. ISM's focus on compound semiconductors like Gallium Nitride and Silicon Carbide will cater to India's defense, space, and Electric Vehicle transportation needs. To support this growth by creating skilled professionals, the School of Electrical Sciences at IIT Bhubaneswar has launched an M.Tech. program in Semiconductor Technology and Chip Design, covering design, fabrication, assembly, testing, packaging, and development of IPs/ASICs/SoCs/Systems for targeted applications. Admission related details are available at <https://webapps.iitbbs.ac.in/mtech-application/index.php>.



NEW PROGRAMS



In addition to above, with a view to modernize the curricula, IIT Bhubaneswar has introduced several new courses, like Minor in Economics, Micro-specialization in Software Engineering, courses on entrepreneurship, plus a host of new open electives in modern areas of studies for undergraduate as well as research students.



SCHOLARSHIPS / FINANCIAL ASSISTANCE



Remission of Tuition Fees

The Institute awards Remission of Tuition Fees to eligible students (whose parental gross annual income does not exceed Rs.5 lakh per annum). The students who have parental income less than one lakh will be eligible to get Full Remission of Tuition Fees and the students who have parental income between 1 lakh to 5 lakh will be eligible to get 2/3rd Remission of Tuition Fees.

State Scholarships (provided by different states)

The Institute also endorses the Scholarship Schemes provided by various State Government to the eligible students in their respective scholarship portal such as Kalia Scholarship (Odisha Govt.), E-Medhabruti Scholarship (Odisha State), Mukhya Mantri Medhawi Vidyarthi Yogna Scholarship (Madhya Pradesh Government), MAHA-DBT Scholarship (Maharashtra Govt.) and other State Scholarships.

Professor R.H. Tupkary Fellowship

A new Ph.D. Fellowship titled 'Professor R.H. Tupkary Fellowship' has been created at IIT Bhubaneswar by the donation of Rs. 1 crore by Prof. Brahma Deo, MGM Chair Professor at the Institute, as a token of respect for his erstwhile professor at Banaras Hindu University in 1967. On this fellowship, a Ph.D. student is presently working in the area of Physiology, jointly with AIIMS, on mental health disorders, which is a compelling problem in India with the largest number of patients in the world. Again, the studies on "Chaotic Dynamical Systems" have helped to find a special chaotic attractor which can greatly help in disease analysis.

Govt. of India Scholarships (Provided by Govt. of India)

The Institute endorses the Govt. of India Scholarship Schemes such as Central Sector Scholarship Scheme of "Top Class Education for Schedule Caste (SC) Students", Central Sector Scholarship Scheme of "Top Class Education for Schedule Tribe (ST) Students", Scholarship for Students with Physically disability, Post-Matric Scholarship, Ishan Uday Scholarship etc.





Website
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