Admission Bulletin



International Institute of Information Technology
Bhubaneswar

(A University Established by Government of Odisha)







DIRECTOR'S MESSAGE



Thank you for evincing interest in IIIT Bhubaneswar. IIIT-BH is a next generation Institute engaged in research and imparting education in Information Technology. Our objective is to prepare students to provide technology leadership for the next generations. To achieve this end, the Institute focuses on its people, processes and its products. The curriculum is designed to explain, enable and empower students to create and use technology efficiently. The pedagogy is designed to create a community of learners. Our faculty is responsible for the excellence of our programme. In the class room, you encounter researchers, scholars, consultants, and above all, gifted and dedicated teachers. These are individuals who love teaching and do it extremely well.

You can expect a few things at IIIT Bhubaneswar. You will encounter a caring environment which will groom budding technologists into professionals. We will provide two best years of your life with memories to cherish. We will rekindle the spirit of an adventurer in you.

Dr. Gopal Krishna Nayak



DEAN'S MESSAGE

On behalf of International Institute of Information Technology Bhubaneswar (IIIT-Bh), it is a great pleasure to welcome you to this beautiful campus. IIIT Bhubaneswar is relatively a young institute, the foundation stone of which was laid by the then President of India, His Excellency Dr. Abdul Kalam on 29th November 2006. The M.Tech(CSE) programme commenced in the year 2007 and four batches of students have already been enrolled. Further the B.Tech programme started in the year 2009. The students of the first two M.Tech(CSE) batches have been well placed both in industry and academics.

IIIT Bhubaneswar is a next generation institute, where we emphasize developing Human Resources through providing quality education.

The education is provided in the class room and beyond. The students learn through assignments, projects and case studies besides structured contents delivered in the class room. The students also learn through playing with technology. The students are encouraged to be communicative, remain informed, and in a cooperative environment.

I am sure, you will enjoy the technology enabled residential campus with dedicated high bandwidth internet connectivity and powered by many e-governance initiatives to ignite innovation, passion and make learning a passionate experience.

Prof. Ajit Kumar Das



About IIIT

IIIT Bhubaneswar owes its origins to the initiative of the Government Orissa. It is a result of the desire of the Government to establish a world class institute of Information Technology in the state. The Institute has been registered as a society in 2006. The Management of the institute is in the hands of a Governing Board, consisting of representatives from the Government of Orissa, Leaders from the IT industry and eminent academicians. IIIT Bhubaneswar has became non-affiliating University, w.e.f 20th January 2014, after the enactment of IIIT Bhubaneswar Act. (Odisha act of 2013)

IIIT-Bhubaneswar focuses on quality and rigorous education, quality resource, academic infrastructure, technology and innovation. These initiatives will help IIIT-Bhubaneswar achieve pre-eminence in India and beyond.

Vision

Our vision is to be a unique institute imparting education, training, research, and consulting in technology and related fields to develop human resources who will lead the economy and the society in the coming decades.

Mission

The mission of IIIT is to be a knowledge seeking Institution of higher learning that will educate students in technology and other disciplines of scholarship. The Institute will work closely with the Industry and other users of the technology to develop and deliver technological solutions to enhance their competitive position.

The Institute is committed to the entire value chain of knowledge creation, diffusion and preservation to meet the challenges of the century. The Institute will borrow best practices in education delivery systems, research and consulting practices. Leveraging technology to bring about next generation practices will be a key to this strategy.

The Institute is dedicated to creating a community of students, faculty and scholars with passion for learning, creativity, innovation in all aspects of academic pursuit.

The Institute will cultivate values of Honesty and transparency, Respect for the Individual, Commitment to quality and high standards, passion for performance and sensitivity to social and ethical issues.

Academics

IIIT-BH offers M.Tech programme in **Computer Science and Engineering**. The objective of these programmes is to develop professionals suitable for higher needs of the Industry and Academics. The programmes aim to develop problem solving skills, learnability, multiskilling and multitasking abilities and spirit of enquiry and adventure. Besides, these programmes also emphasize on collaboration and teamwork, human relation skills and attitude.

The M.Tech. programmes are divided into four semesters. The first three semesters will involve class room teaching, labs, in-course projects. The last Semester will be used for an independent project or in-company internship. The academic session will begin in August 2014 for the 1st year new entrants.

The M.Tech. curriculum consists of 13 core subjects and 5 electives. The core subjects expose the students to all the fundamental and emerging areas of computer science and Information Technology. These subjects include topics from classical computer science to cutting-edge technologies. In addition, they include subjects which expose you to the business processes and communication abilities. The electives are designed to offer the students a choice list of subjects of higher order to expand their interest. The electives evolve with the newer technologies and development in the Industry.

There are a few things special about our curriculum. Each course where applicable will involve lab components, tutorial components and in-course project components. The courses involve team work in projects, assignments and other learning components which is an integral part of the learning approach.

The degree will be awarded to students who successfully complete the required credits.





Subjects (M.Tech.(Computer Sc. & Engg.)

Semester I

- Mathematical Foundation of Computing
- Algorithm Design and Analysis
- Advanced Computer Architecture
- Advanced Computer Networks
- Advanced Data Base Management Systems
- Object Oriented Programming with Java
- Business functions and processes.

Semester II

- Software Engineering
- ERP
- Advanced OS
- Elective 1
- Elective 2
- Elective 3

Semester III

- Computer Graphics and Image Processing
- Advanced Data Mining
- Parallel Distributed Computing
- Elective 4
- Elective 5
- Seminar

Semester IV

Project / Internship

Elective Courses

- Software Project Management
- Speech and Natural Language Processing
- Mobile Computing
- Multimedia Systems
- Advanced Wireless Networks
- Embedded system
- E-Commerce
- Cryptography and Network Security
- Computational Finance
- Information in Industrial Process Automation
- Computational Molecular Biology and Bioinformatics
- Advanced Internet Technology
- Object Oriented Software Development using UML
- Spatial Database and GIS
- Protocol for Information Security Services
- Information Retrieval
- Information Theory and Coding
- Machine Learning
- Artificial Intelligence
- Mobile Ad Hoc Networks
- Theory of Computation
- Document Imaging and Parton Analysis

The pedagogy for subjects mentioned includes class-room teaching, laboratory work, tutorials, assignments, seminars and projects depending on the suitability.



Admission

Eligibility

Candidates should possess either or more of the following qualifications:

- B.Tech/B.E from any recognized universities in any discipline
- M.C.A from any recognized university
- M.Sc.(Computer Science)/ M.Sc.(Electronics)/ M.Sc.(Mathematics)/ M.Sc (Statistics)/ M.Sc. (Physics)
- Any Equivalence of the above (Recognized by Govt. of India/ Govt. of Orissa)

How to Apply:

- 1. Visit the website www.iiit-bh.ac.in to apply on line for the M.Tech. (Computer Science & Engineering) Programme. Please note that only on-line application is accepted. The draft / online transaction ID has to be kept ready at the time of filling the online application form, since the draft number / online transaction ID has to be entered in the application form.
 - The draft/pay order of Rs.1000.00 (Rupees one thousand only) should be made favouring "IIIT Bhubaneswar" drawn by any scheduled bank payable at Bhubaneswar.
 - Online transaction can also be made via debit / credit card.
 - Click on the link given in the website for admission.
 - Enter Your name and e-mail id, so that an email will be sent to your e-mail id for enabling you to fill the form.
 - Click on the link given in the e-mail sent by our system.
 - Carefully fill in all the relevant fields of the blank application form which include the draft details.
 - Submit the form by clicking the button "Submit". On successful submission, the next screen shall display the message Data saved. You will need the link sent to your e-mail id, as well as the e-mail id entered by you to subsequently log in to our system and perform any or more of the following:
 - Edit your application and resubmit if required.
 - ◆ Print your application by clicking on the print button.
 - The e-mail sent by our system should be carefully preserved by you. You shall need it for subsequent steps.
 - Keep on visiting our Website to view important announcements regarding the admission process.

- 2. You are required to send the following by speed post/hand delivery so as to reach IIIT Bhubaneswar latest by **15th April 2014.**
 - Printed copy of the application form submitted on line
 - A recent passport size photograph, pasted on the application form.
 - The draft/online transaction slip of Rs.1000.00 (Rupees one thousand only). Please write your name and application id on the back of the draft / online transaction slip.
- 3. You can verify the receipt of the draft / online transaction payment by IIIT Bhubaneswar.
- 4. Your admit card will be sent to you through e-mail, once your draft has been received by IIIT Bhubaneswar. You are required to paste your photograph in the space provided in the admit card and bring the same for the entrance test. (You shall paste the copy of the same photograph already sent along with the copy of the on line application form).

Entrance test:

The entrance test shall be conducted in seven places*: **Bangalore**, **Bhubaneswar**, **Chennai**, **Delhi**, **Hyderabad**, **Kolkata** and **Mumbai**. The candidates are required to give *at least 3 choices* of the places for Entrance Test in order of preference. The entrance test will be held during the week (12th -18th May 2014). The exact venue, date & time shall be sent to you by e-mail. The same information shall also be available to you in the website.

Candidates possessing valid GATE (CS/IT) score of more than 75 percentile are exempt from entrance test. However they will have to apply on-line and pay the application fee mentioned in the *How to Apply* section and appear for the interview. They may at their option appear for entrance test as well. In such case the score of the entrance test shall supersede the GATE score for the purpose of evaluation and the GATE score shall not be considered.

Interview:

Based on the performance in the entrance test, the interview of the short-listed candidates will be conducted on the same day and may continue for the next day if necessary.

Final Selection:

The final selection shall be based on the candidates' performance in the following:

- Performance in the Entrance Test/ GATE score (Marks out of 100).
- Performance in the interview.
- Career Marks.

The selected candidates shall be informed by mail. The same information shall also be available to you in the website.

* The test shall be held in the above said centers subject to minimum number of candidates otherwise the students will be asked to appear the test in the nearest center.

Admission:

Candidates, who are selected for admission based on the choice of programme exercised by them, must indicate their acceptance of the admission offer and all related conditions by paying the first installment of fees as detailed in the offer of admission, before the date mentioned therein.

The classes are expected to begin by August 2014. At this time, the students will be given a manual of policies and regulations, which will be binding on them.

Fees

The tuition for the M. Tech.(CSE) programme is Rs. 50000 /- per semester and to be paid before the start of each semester. In addition, students availing hostel facilities will be charged extra for lodging and boarding. Other expenses for books, supplies, travel; notebook PC etc. is to be borne by individual students. The detail fee structure for all the semester is as follows:

Componet	Semester 1	Semester 2	Semester 3	Semester 4
Tuition Fee	50,000	50,000	50,000	50,000
Library & IT Services	5,000	5,000	5,000	5,000
Institute Caution Deposit	12,500	NA	NA	NA
University Regd. Fee	5,000	NA	NA	NA
Hostel Accomodation*	7,500	7,500	7,500	7,500
Student Welfare Fund	1,000	NA	1,000	NA
Examination Fee	1,500	1,500	1,500	1,500
DG Backup, Lift Operation Charge & Mess Overhead Charge*	As per Actual	As per Actual	As per Actual	As per Actual
Bus Fee*	300	300	300	300
Total (Rs.)	82,800	64,300	65,300	64,300

^{*} These fees are applicable for Hostel Borders only.

Aid and Scholarships

Scholarships are available for GATE Qualified students as per AICTE rules. Governing Body Scholarship of Rs. 20,000/- shall be awarded in the 2nd year based on their academic performance in the first year.

Bank loans are available in generous terms that cover all the costs for completing the programme.



Resources and Infrastructure

The Campus

Our campus is located at Gothapatna, Bhubaneswar. It is a compact 23 acres campus which houses classrooms, laboratories, library, hostel, faculty living quarters, sports facilities, auditorium and more.

Library

For a Knowledge based organization, Library is a vital asset. The IIIT Library has excellent collection of books and journals on Technology, Management, and related subjects. The collections also include working papers, audiovisual resources, dissertations, summer projects, annual reports of corporate houses and bound volumes of periodicals. Besides the print materials, IIIT Library has subscribed to various e- resources. Some of the notable e-resources available are all publications of IEEE Computer Society and ACM Digital Library. In addition, the Library has a good collection of e-books.

Computing Facilities

The Information Technology infrastructure is a significant factor in providing quality education. Being an Information Technology Institute, we aspire to provide the IT infrastructure which will empower and inspire to students to innovate and invent. IIIT will be a technology playground imbibing the garage culture which had and continues to create great technologies and products. Each member of IIIT will have access to a computer and the Internet. The Institute provides notebook PC to all faculty members. All the students will be required to have their own personal Notebook PCs. Computer LAB for M.Tech has 90 workstations, and Library has 8 workstations. All the computers are connected to the Campus' LAN. In addition, wireless hotspots are spread all across the campus making it possible to remain connected anywhere in the campus, all the time. The classrooms are equipped with PCs, Tablet PCs, LCD projectors and multimedia Systems. All members having their own laptop / desktop on the intranet have access to internet 24 hours a day, through 50 MBPS TCP/IP leased lines. The Institute has built an impressive library of software packages useful for IT education. These include Compilers, Office Productivity software, Data Base, Statistics, Operations Research, Graphics etc. In addition, the Institute is in the process of automating all its Processes including Academic, Financial, Library, Placement and other Processes.



Placement

Campus placement is an important deliverable from any higher form of education. IIIT-BH is fully aware and conscious of this fact. We are happy to inform that all the students of first batch M.Tech. (Computer Science & Engineering) have been successfully placed in Academic Institutions and Industries.

IIIT-BH believes that the campus placement is a result of the quality of our students and the rigour of our process. Our programmes and processes of delivery will make our students Industry Ready.

IIIT-BH has included industry interaction as an important component of our curriculum design. Leaders from the Industry, experts from the industry share their valuable expertise and experience with our student. This helps students in many ways. The students are sensitized to the industry requirements and hence prepare themselves to be suitable for industry. They learn practical tricks of the trade from the interaction with the experts. They also learn business practices as it happens in industry.

Industry internship is designed to help discover industry practices from within the industry. Working on practical projects will challenge the students to blend their knowledge with demands from the peers and customers which is a key requirement of the Industry readiness.

Faculty

FULL-TIME FACULTY:

Gopal Krishna Nayak, B. Tech (IIT Kharagpur), PGDM (IIM Bangalore), Ph.D. (IIT Kharagpur)

Ajit Kumar Das, B. Tech (IIT Kharagpur), M. Tech (UU), Ph.D.* (UU)

Rakesh Chandra Balabantaray, M. Tech. (UU), Ph. D. (UU)

Anjali Mohapatra, M. Tech. (UU), Ph. D. (UU)

Puspanjali Mohapatra, M. Tech.(UU)

Muktikanta Sahu, M. Tech. (BPUT)

Usharani Rout, M. Tech.(BIT, Mesra)

Bamadev Sahoo, M. Tech. (IIT Kharagpur), Ph.D.*(Jadavpur University)

Monalisa Ray, M.Phil, Ph.D.(UU)

Biswajit Pradhan, Ph.D.(IIT BOMBAY)

Satyanarayan Pal, Ph.D. (Central University, Hyderabad)

Hiranmayee Satapathy, Ph.D. (IIT Kharagpur)

Rupaj Kumar Nayak, Ph.D.(UU)

Lipika Das, M.Phil, Ph.D.**(UU)

Tanutrushna Panigrahi, Ph. D. (Berhampur University)

Debasish Jena, MTech. (UU), MBA, Ph.D.(NIT, Rourkela)

Hemanta Kumar Pati, Ph.D. (IIT Kharagpur)

Harish Kumar Sahoo , M.Tech., Ph.D. ** (Sambalpur University)

Biranchi Narayan Padhi , M. Tech., Ph.D.(NIT, Rourkela)

Tapas Kumar Panigrahi , M. Tech., Ph.D.**(Sambalpur University)

Suvendu Rup, M.Tech., Ph.D. (NIT Rourkela)

Umamani Subudhi , M.Tech. (KIIT University)

Asutosh Kar, M.Tech.(NIT, Hamirpur), Ph.D. *(BITS Mesra)

Bharati Mishra, M. Tech.(IIIT Bhubaneswar)

Debani Prasad Mishra, M. Tech. (IIT, Delhi)

Kshirod Kumar Rout, B.Tech. (UCE, Burla), M. Tech. (KIIT University)

Prasanta Kumar Ray, M.Sc., Ph. D.(NIT Rourkela)

Rajat Kumar Giri, M. Tech. (KIIT University)

Sabyasachi Patra, M. Tech.(IISc, Bangalore)

Sanjaya Kumar Parhi, M.Sc., Ph. D. (IIT Kharagpur)

Saroj Kumar Mishra, M.Tech.(IIT Kharagpur)

Subrata Kumar Mohanty, M. Tech. (BESU, SHIBPUR, HOWRAH)

Tushar Ranjan Sahoo, M. Tech. (IIT Kharagpur)

Sachidananda Sahoo, MBA, BPUT

Mukesh Tiwari, M.Tech, IIIT, Allahabad

Pradyut Kumar Biswal, M. Tech., Ph.D. (IIT Kharagpur)

Shanta Kumari Sunanda, M.Sc., Ph. D. (IIT Khragpur)

Bijayananda Patnaik, B.E. (UCE Burla), M. Tech (BPUT), Ph.D. (IIT Bhubaneswar)

Prakash Kumar Ray, M Tech (VSSUT, Burla), Ph.D. (MNNIT, Allahabad)

Jolly Dey, MBA (BPUT)

Ajaya Kumar Dash, B.E. (UCE Burla), M. Tech. (NIT RKL)

Rakesh Kumar Lenka, M. Tech. (MNNIT, Allahabad)

Sivkumar Mishra, B.E.(NIT, Jaipur), M. Tech. (IIT Kharagpur), PhD*(Jadavpur University)

Soumen Bag, B.E. (NIT Durgapur), M.Tech. (NIT Durgapur), Ph.D. (IIT Kharagpur)

Srinivasarao Chintagunta, M. Tech. (NIT Calicut)

Suraj Sharma, M.Tech. (NIT Rourkela), Ph.D.* (NIT Rourkela)

Swati Vipsita, M. Tech. (BPUT), Ph.D. (NIT Rourkela)

*In Progress.

**Thesis Submitted

VISITING FACULTY:

Prof. Chitta Baral, Arizona State University

Prof. Durga Mishra, New Jersey Institute of Technology

Prof. Gautam Das, University of Texas, Arlington

Prof. Jayadev Mishra, University of Texas, Austin

Prof. L. N. Bhuyan, University of California, Riverside

Prof. Prashant Mohapatra, University of California, Davis

Prof. Rabi Mohapatra, University of Texas A&M

Prof. Saraju P. Mohanty, University of North Texas

Prof. Sudarsan Padhy, Institute of Mathematics & Applications, Bhubaneswar

Prof. Shakti Ranjan Mohapatra, Center for IT Education, Bhubaneswar

Board of Governors

Sl.No	Name	
1	Mr. Jugal Kishore Mohapatra, IAS Chief Secretary & Chief Development Commissioner, Government of Odisha, Bhubaneswar	Chairman
2	Mr. Injeti Srinivas, IAS Development Commissioner-cum-Addl. Chief Secretary and Secretary to Govt., Planning & Coordination Deptt. Govt. of Odisha, Bhubaneswar	Member
3	Mr. Sanjeeb Kumar Mishra, IAS Commissioner-cum-Secretary, Dept. of Information Technology Govt. of Odisha, Bhubaneswar	Member
4	Dr. C. S. Kumar, IAS Commissioner-cum-Secretary E & TE & T Department, Govt. of Odisha, Bhubaneswar	
5	Mr. Vishal Kumar Dev, IAS Chairman-cum-Managing Director Orissa Industrial Infrastructure Development Corporation, IDCO Tower, Janpath, Bhubaneswar-751 007	Member
6	Director Department of Information Technology Bhubaneswar	Member
7	Prof J.K. Satapathy Vice Chancellor, BPUT, Odisha	Member
8	Prof. L. M. Patnaik Indian Institute of Science, Bangalore	Member
9	Prof. S. Sadagopan Director, IIIT Bangalore	Member
10	Mr. Subroto Bagchi Chairman, MindTree Consulting Pvt. Ltd., Bangalore	Member
11	Mr. Abhijit Sen Infosys Technologies Ltd., Bhubaneswar	Member
12	Mr. Rajesh Ram Mishra CIO, Wipro Technologies, Bangalore	Member
13	Dr. Gopal Krishna Nayak Director, IIIT Bhubaneswar	Member Secretary

Impressions



The Vision behind the International Institute of Information Technology is not mere job creation. The calibre of students seeking admission here must be of a higher order — we want to attract people with a higher calling; through them, we want to create the stock that would build a larger future. We want them to teach others, we want them to lead the way into research. In short, we want people who would build a future so others can live in it.

Subroto Bagchi, Gardener, MindTree Limited, Member Governing Board, IIIT Bhubaneswar



An Institution with a promise; a Director with a passion; a Board with visionary leaders from Academia, Industry and Government; a State striving for excellence; and, a Country heading towards leadership in IT.

What more can the students of IIIT-Bh expect?

The students of the first few batch should be the torch bearers, leader and NOT mere followers.

Professor S Sadagopan, Director, IIIT Bangalore, Member Governing Board, IIIT Bhubaneswar



A world class institute with perfect industry-academia blend where a strong foundation will be built for the students to take on the world challenges of tomorrow.

Abhijit Sen Center Head, Infosys Technologies Ltd., Bhubaneswar, Member Governing Board, IIIT Bhubaneswar



To quote Will Rogers, "Successful colleges will start laying plans for a new stadium; unsuccessful ones will start hunting a new coach". Wherever you go, no matter what the weather, the light of IIIT-Bh will always follow you.

Monalisa Barik, Student



IIIT-Bh is an institute with a sterling difference. The institute not only provides world-class education but also supports students to display their lateral thinking and innate talent.

Soumyadeep Ghosh, Student



IIIT BHUBANESWAR is an institute where serious education and cheerful leisure goes hand in hand. The classes are regular the assignments are challenging the faculty are very much approachable and the student –teacher interactions are informal and faithful. Along with these, the workshops are organized and co-curricular activities are also being taken care of .Looking forwarded to an interesting and noteworthy M.Tech. for the next two years.

Ajeeta Singh, Student



This institute provides the newness to expand my knowledge in the varied modes of learning offered in an ambiance where "dedication" forms the indispensable parameter for success in one's career. Moreover here the discipline mode of academic life makes all reasons solicitous .I find this institute , a proper platform to bring into effect all my aspirations and dearness for the welfare of all.

Pritish V. Ghate, Student



The handiwork of Imagination, Inspiration and Innovation so well knit in the fabric for the achievement of human excellence in this diverse operation. It is a great feeling to be a part of this institution. I extend my hearty wishes for the all —round development of this institution.

Anjali Sharma, Student



The environment of higher education is changing over the years .The diversity and vivid mix of experience and culture ,coupled with talent and higher aspirations in IIIT BHUBANESWAR produces an inspirational vitality and enriches learning .Here students have shown their zeal to learn and entrepreneurial streak by managing events .It makes life of students wrathful.

Surya Prakash Singh, Student



To unfasten the human potential is the principal objective of The Educational Societies, following the rituals of great Indian educational institutes, IIIT BHUBANESWAR is higher in knowledge and focus on development of complete human potential. This institute provides an environment for imparting knowledge, innovation, research and develop human resources who will lead economy and society.

Upasana Singh, Student

Reservation of Rights

This bulletin is applicable for admission to 2014-2016 batch only. However, IIIT Bhubaneswar reserves the rights to make any changes in the requirements of admission guidelines, curriculum, fees and regulations affecting students should these be deemed necessary in the interest of the students, the Institute or the profession. Changes, regulations, enactments, if any owing, to any regulatory bodies shall be applicable to the Institute and the students. Any disputes regarding any related matters shall be subject to the legal jurisdiction of Bhubaneswar only, and ought to be raised within one month of declaration of the final results.





Contact Details :

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