Information Brochure for

Doctoral Programme 2014-15

Important Dates

Submission of online application commences on: 11th April, 2014

Last date for submission of online application   : 15th May, 2014

Date of provisional registration   : 21st July, 2014

Commencement of classes   : 1st August, 2014

International Institute of Information Technology Bhubaneswar
(A University established by the Government of Odisha)

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Phone: 91.674.3016000 Fax: 91.674.3016009

Website: www.iiit-bh.ac.in/admissions

1. About the Institute

IIIT Bhubaneswar owes its origins to the initiative of the Government of Odisha. 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 Nov 2006. In January 2014, the Institute is converted to a University by the Government of Odisha.

The Management of the institute is in the hands of a Governing Body, consisting of representatives from the Government of Odisha, Leaders from the IT industry and eminent educationists. Currently, the Chairman of the Institute is the Chief Secretary of the Government of Odisha.

IIIT-Bhubaneswar has its focus on quality and rigorous education, quality resources, academic infrastructure, technology and innovation. These initiatives have helped IIIT-Bhubaneswar achieve pre-eminence in India and beyond.

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.

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.

IIIT-Bhubaneswar provides facilities for research leading to the Degree of Philosophy (Ph.D.) in Computer Science, Engineering, Basic Science and Humanities in various disciplines. The degree will be awarded to a candidate by the university on successful completion of the stipulated research programme.

2. Doctoral Programme

The Doctoral Programme in the Institute is designed to educate scholars who make a difference through rigorous academic research. The programme offers students opportunities for advanced studies and research in different specializations related to Engineering, Science and Humanities. The Programme aims to prepare students for careers in teaching and research in related disciplines and for careers in the

government, in industry, and in other organizations that require advanced analytical and research capabilities.

The Doctoral Programme is a four year structured programme. The Institute takes Doctoral supervision very seriously, and offer also support for developing teaching skills, academic publications and postdoctoral careers. The focus of the doctoral programme is to develop professional academic researchers.

Research scholars are involved in seminars, working groups and many academic events within and across departments where they actively participate and present their work.

3.   Research Facilities

The Institute provides good academic and research infrastructure. Some key highlights of such infrastructure are:

- High Performance Computing Lab
- A good collection of scientific computing softwares
- Laboratories for experimental Research
- A large collection of Academic Journals

The Institute proposes to collaborate with reputed institutes of Research and Higher Learning in geographic vicinity to augment research facilities to be made available to its scholars

4.   Disciplines in which Doctoral Programmes are offered

The Institute offers Doctoral Programmes in following Disciplines

Department / Discipline	Remarks
Computer Science and Engineering	All Areas of Computer Science
Electronics and Telecom Engineering	All Areas of Electronics, Communication
Electrical Engineering	All Areas of Electrical Engineering
Mechanical Engineering	Thermal Engineering
Basic Sciences and Humanities - Physics	Quantum Computation Quantum Information
Basic Sciences and Humanities - Chemistry	Organic Chemistry Inorganic Chemistry

Basic Sciences and Humanities - Mathematics	Number theory
	Optimisation
	Numerical analysis
	Functional analysis
Basic Sciences and Humanities - English	English Literature
	American Literature
	Communicative English
	Professional writing, Translation

5.   Types of Scholar

The Institute's Doctoral Programme admits following types of scholars

Type of Scholar	Type of Students	Financial Assistance
FTUF	Full Time	UGC/CSIR
FTIF	Full Time	Institute Fellowship
FTSF	Full Time	Sponsored / Self-Financed
PTSF	Part Time	Sponsored / Self-Financed
FTFM	Full Time Institute Faculty Members	Self-Financed

6.   Eligibility

The eligibility criteria for admission to Ph.D. programme are as follows:

- Must possess minimum qualification in relevant discipline and minimum CGPA / % Marks.

Programme	**Qualification**	**CGPA**	**% Marks**
Engineering	M.E. / M.Tech.	7.5	70
	B.E. or B. Tech. from an Institute of Repute	8.0	75
Science	M.Sc.	6.5	60
Humanities	M.A. (Humanities)	6.0	55

- Institutes of Repute are IITs, NITs, IIITs. Other Institutes are included in this list by the Institute Academic Committee (IAC) on case to case basis.
- A concession of 5% in marks or 0.5 in CGPA may be given to SC/ST candidates.

- Students with degrees in one discipline can enrol for Ph.D. in another discipline if such discipline is considered relevant by the Institute Academic Committee. Relevant discipline matrix is given below.

Department	Relevant Disciplines
Computer Science & Engineering	B. Tech. / M. Tech. in Computer Science & Engineering Electronics Electrical Engg. Information Technology
Electronics & Telecommunication Engg.	M. Tech. in Electronics Electrical Engg.
Electrical Engineering	M.Tech. in Electrical Engg.
Mechanical Engineering	M.Tech in Mechanical Engg.
Chemistry	M.Sc. in Chemistry.
Physics	M.Sc. in Physics.
Mathematics	M.Sc. in Mathematics
Humanities	M.A in relevant subject

- Qualification in GATE or NET is not essential for admission to Ph.D. programmes.
- Students applying for Institute or Government scholarships / fellowships, however, shall need an M.Tech. degree or a valid NET (JRF) or GATE score as required by the Government regulations.

7.   Procedure for Application

The candidate is required to fill the application online by accessing the Institute's website (www.iiit-bh.ac.in) against official advertisement for doctoral programme. For details application procedure and fee payment refer to the latest advertisement in our website.

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 Ph.D. 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.

- You are required to send the following by speed post/hand delivery so as to reach IIIT Bhubaneswar latest by **15th May, 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.

- You can verify the receipt of the draft / online transaction payment by IIIT Bhubaneswar.

- 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 written test. (You shall paste the copy of the same photograph already sent along with the copy of the on line application form).

▪ Note that candidates wishing to apply in more than one disciplines are required to apply separately.

8. Selection Procedure

The Selection Procedure involves the following:

- Short-listing of candidates will be done based on the academic performances.
- Those short listed will under-go a Written Test and Interview to be conducted at IIIT Bhubaneswar.
- The Final Selection will be done on the basis of academic performance, performance in the Written Test and the Interview.

9. Supervisors

The Institute Academic Committee will assign one or two supervisors from a list of empanelled supervisors. The supervisor shall be in the rank of Asst. Professor or above with Ph.D. degree.

A part-time sponsored scholar desiring to work in his/her place of employment should have a supervisor from his/her organization. The joint supervisor so proposed must have a Ph.D. Degree or at least 10 years of relevant professional experience

10. Enrolment and Provisional Registration:

Selected candidate wish to take admission in Ph.D. programme required to pay the admission fees and subsequently a roll no. will be assigned to the students. The IAC will assign the student to one or two supervisors and will recommend the structure of DSC. Within two weeks of enrolment, the student shall submit an application for provisional registration, in consultation with the supervisor. The application shall contain details of a student's career and his broad area of research. The Doctoral Scrutiny Committee (DSC) will examine the application and recommend "Provisional Registration". The provisional registration will record the area of research and the course work assigned.

11.   Residential Requirement

Normally all full-time candidates admitted to the Ph.D. programme will be required to stay in the Institute till they complete all assigned work and submit thesis. However, for sponsored candidates the DSC may recommend to reduce the minimum residential requirement to either six months at a stretch in the beginning or to at least six months in combination (of which at least 2 months should be at the beginning), with each segment not less than two months, spread over a period of two years.

If the candidate intends to carry out a major part of his research work in his place of employment, he must convince the Institute Academic Committee (IAC) at the time of selection that adequate research facilities and research tradition exist in his institution.

Candidates employed in teaching or R&D Institutions within or in the vicinity the city of Bhubaneswar and permitted by the employer to spend sufficient time on research at IIIT Bhubaneswar may be exempted wholly or partially from the compulsory residential requirement.

12.   Semester Registration

A student enrolled in the Ph.D. programme will be required to register every semester by paying Institute dues and other fees. Students who have been sanctioned withdrawal also need to do semester registration in person.

Failure to do semester registration for two consecutive semesters will result in termination of studentship, which can be restored by the Senate on consideration of all circumstances, payment of arrear fees and extension of thesis submission date.

13.   Course Work

Course work is compulsory for all students enrolled for Ph.D. The list of courses to be under taken by the students decided by the DSC. A student is required to complete the course work in first two semesters or latest by 4th semester.

The candidate has to obtain an average grade point of not less than 7.50 and individual grade point not less than 6.0 in each subject in the ten point scale.

14.   Registration

A doctoral student, provisionally registered, will be formally registered for the degree of Ph.D. on completion of certain steps. The registration can be done only after (a) the candidate has successfully completed all assigned course work (b) worked out a road map of his doctoral programme and (c) delivered an open seminar. The written document and the seminar should outline the planned research work and identify the milestones. This should be delivered within one month of the completion of the course work.

15.   Fellowship and Financial Assistance

The UGC and CSIR offer financial assistance to scholars qualified in NET (JRF) examinations. The candidates aspiring to be full-time scholars are encouraged to get qualified in these examinations.

Other Government Departments also offer scholarships for Doctoral Programmes. The Institute assists the scholars in availing such scholarships.

The Institute has a limited number of assistantships which are offered to Full-Time scholars. The amount of assistantship is as per the UGC norms.

In case of students awarded a scholarship by an external agency or from a research project operating in the Institute, the rules shall be governed by the provisions specified by the sponsor.

16.   Fee Structure:

Admission Fee: Rs. 30,000.00 (One Time)
Semester Fee: Rs. 25,000.00 per Semester
Above fees are excluding hostel and other fees.

17.   Disclaimer

The rules and regulations mentioned in this information brochure are provisional and may change. The rules and regulations in force will be applicable to admitted students.