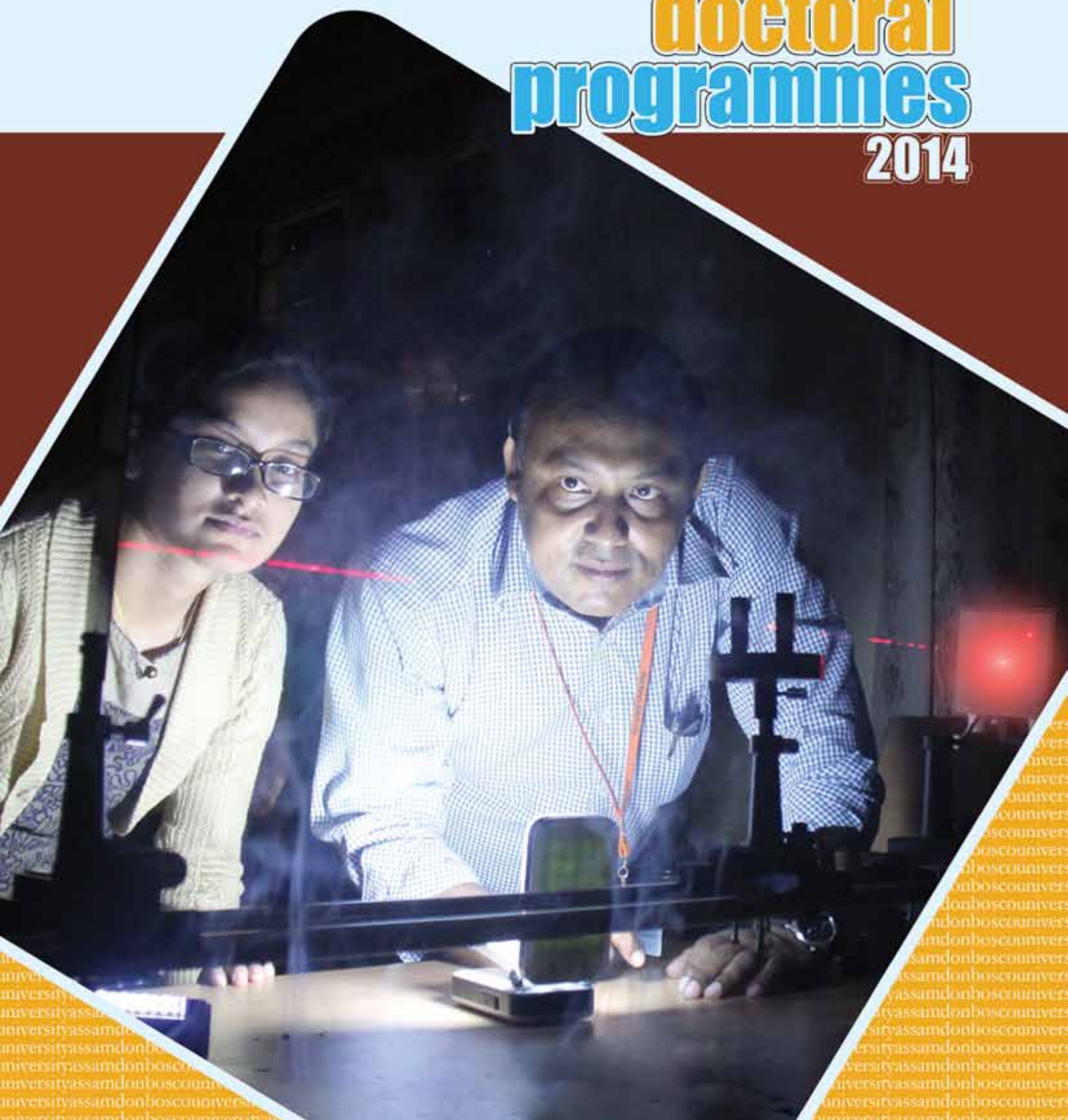




**Assam
DON BOSCO UNIVERSITY**

doctoral programmes 2014





Assam Don Bosco University

The Assam Don Bosco University, set up by the Don Bosco Society, was established as the first State University of Assam in the private sector by the Assam Don Bosco University Act. The Don Bosco Society has been rendering committed service in the field of education for over a century, its activities spread across 130 countries. Though the society has 15 universities worldwide, the Assam Don Bosco University is its first University in India.

Vision and Focus

The Assam Don Bosco University has the vision of moulding intellectually competent, morally upright, socially committed and spiritually inspired persons at the service of India and the world of today and tomorrow, by imparting holistic and personalised education.

To achieve this vision, the University strives to ensure excellence in the teaching, learning and evaluation process, in research, consultancy and extension programmes, in continuous and on-going evaluation of every process in the system, in a holistic approach to education geared to an all-round development of dependable human beings.

Envisioned as a centre for culture, knowledge, research and intellectual ferment, this university focuses its teaching, research and consultancy on three core areas: technology sector, service sector and social sector. These areas have been chosen because they focus on cutting-edge technology at the service of contemporary fast developing knowledge-society and knowledge-economy, ensure the employability of our graduates and their capacity to become innovative entrepreneurs and equip them with the skills necessary to impact and transform their society.

PH D PROGRAMME

Preamble

Higher education and research constitute the backbone of University systems as they focus on the promotion of the human mind, the search for truth, the development of knowledge specialists, the evolution of culture, and the betterment of life in all its myriad manifestations.

While graduate education is largely geared to raise the level of employability of students, training them to play leadership roles in providing the services on which a developed society depends, such as chemists, accountants, nurses, social workers, psychologists, professors, teachers, and business managers, research is central to our survival and advancement in a digitalized, knowledge-based, global economy.

Following the time-hallowed traditions of the great universities of the world, this University seeks to make itself a centre for culture, knowledge, research, intellectual ferment, for critical thinking and analysis of whatever shapes and impacts human life, a centre that influences thinking, planning and policy making on vital aspects of social life such as religion, culture, society, politics, governance, education, health care, etc. These objectives have been carefully enunciated to attract the right type of candidates for research programmes in the University – we are looking for bright young men and women with a passion for excellence and scholarship, and experienced guides and mentors with a flair for enthusing young minds with the thirst to take on challenging research projects and assignments in the University.

Objective

The objective of the Ph. D. programme of the Assam Don Bosco University is to enable a scholar to undertake research which leads to a contribution to the body of existing knowledge characterized either by the discovery of new facts, solution of unsolved problems, development of new techniques or by reinterpretation of known facts or new solutions to problems. A research scholar who has completed the Ph D programme of the University should be capable of undertaking independent research and with further experience, should be able to guide others in research.

Admission and Eligibility

Candidates with at least 55% marks or a CGPA of 6.0 on a scale of 10 for Master's Degree, M Tech or M Phil in the concerned subject or an allied subject are eligible to be admitted to the Ph D programme.

Candidates are required to appear for a written test and/or an interview to be conducted by the Board of Research Studies of Assam Don Bosco University. Candidates shall be shortlisted for admission into the programme according to merit determined after giving suitable weightage to the following:

- marks in the Master's Degree/grades obtained at MPhil/ M Tech
- performance in the test and/or interview

The final list of candidates for admission shall be declared

on the basis of the number of seats available and the performance of the candidates.

The written test is not mandatory for a person who

- has successfully completed a recognized M Phil programme
- has completed at least one year of research in a research laboratory/university/institute of repute
- has Master's degree in the relevant or an allied subject and at least seven years' experience of teaching, administration, management and specialized knowledge in the proposed field of research, to the satisfaction of the Board of Research Studies of the University
- is a teacher of this University.

In all cases, there will be an interview which will be organized by the Board of Research Studies at which the candidate should come prepared to discuss his/her research interest/area.

Course work

- Candidates admitted for the Ph D programme are to complete a mandatory course work of one semester (six months).
- Only candidates securing a minimum grade point of 6.00 in the course work will be permitted to continue in the programme.
- A candidate who is unable to complete the course-work during the allocated course work session may be offered one more opportunity to do so during the subsequent course work session conducted by the University. Fresh admission formalities will have to be completed by candidates who fail to complete the course work in two subsequent attempts.





Supervisor

A candidate will be assigned a supervisor by the Board of Research Studies at the time of admission depending on the available specialisations among the supervisors of the University and the research interest of the student.

Registration

After the period of course work, a candidate should apply to the University for formal registration in the prescribed proforma. The application shall be accompanied by a detailed research proposal including the topic, scope of its study, tentative hypothesis and research methodology including sampling and design, where necessary (synopsis). The candidate may also be required to make a presentation of the synopsis. The maximum permissible period between the date of admission and the date of formal registration for Ph D programme is 18 months.

Thesis

The doctoral candidate will be required to prepare a thesis which will contain his/her research findings. The thesis should be a piece of research-work characterised either by the discovery of new facts or by fresh interpretation of facts or theories. In either case it should evince the candidate's capacity for critical examination of ideas, original thinking and judgment. It should also be satisfactory as far as its literary presentation is concerned.

Pre-Submission Seminar

When the Supervisor is of the opinion that the thesis is in the final stage of completion, the scholar will be required to give a pre-submission seminar on his/her research findings.

Submission of Thesis

- The candidate should have pursued research at the University for not less than two years from the date of registration for the Ph. D. programme, before he/she is eligible to submit the thesis.
- The candidate is expected to submit his/her thesis within five years of the date of registration.
- The candidate shall be required to publish at least one research paper in a referred journal before the submission of the thesis and produce evidence for the same in the form of acceptance letter or the reprint at the time of submission of the thesis.

Award of the Degree

The Ph D Degree will be awarded to the candidate based on the evaluation of the thesis by designated examiners and a Viva-Voce examination.



Application Procedure

- Obtain the Ph. D. Brochure of Assam Don Bosco University.

Cost of brochure : Rs. 1000.00

Postage charges : Rs. 50.00 (if requesting by post)

Requests by post must be sent to

Registrar (Admissions)

Assam Don Bosco University

Airport Road, Azara, Guwahati – 781017

along with

- a DD for the requisite amount, drawn in favour of “Assam Don Bosco University” payable at Guwahati,
- your name, e-mail id and contact number

The brochure may also be purchased online at www.dbuniversity.ac.in

- Visit the online application page of Assam Don Bosco University website (www.dbuniversity.ac.in/a), follow the instructions given and enter the required information. When prompted, enter the Application Number and Password that will be provided to you when purchasing the Brochure.
- Appear for DBU-ART (Don Bosco University ‘Aptitude for Research’ Test)
- All candidates shortlisted on the basis of the aptitude test and candidates exempted from the aptitude test will be required to attend an interview. The dates for the “Aptitude for Research” Test and the interview will be intimated personally.

Students from Outside India SAARC Countries

Admission Fee	: USD 300 (payable at admission)
Annual Fee	: USD 750 (for Humanities) USD 1000 (for Science and Technology)
Registration Fee	: USD 400 (payable at the time of final registration)

Other Countries

Admission Fee	: USD 400 (payable at admission)
Annual Fee	: USD 1000 (for Humanities) USD 1250 (for Science and Technology)
Registration Fee	: USD 550 (payable at the time of final registration)

- Incentive for faculty members of ADBU – 50% waiver of Annual Fee
- Fees once paid are not refundable
- The Fees Structure prevailing at the time of admission will be valid for the normal period of doctoral research. If the period of research is extended, the Fees Structure prevailing at the time of extension will apply.

Fee Structure

Students from India

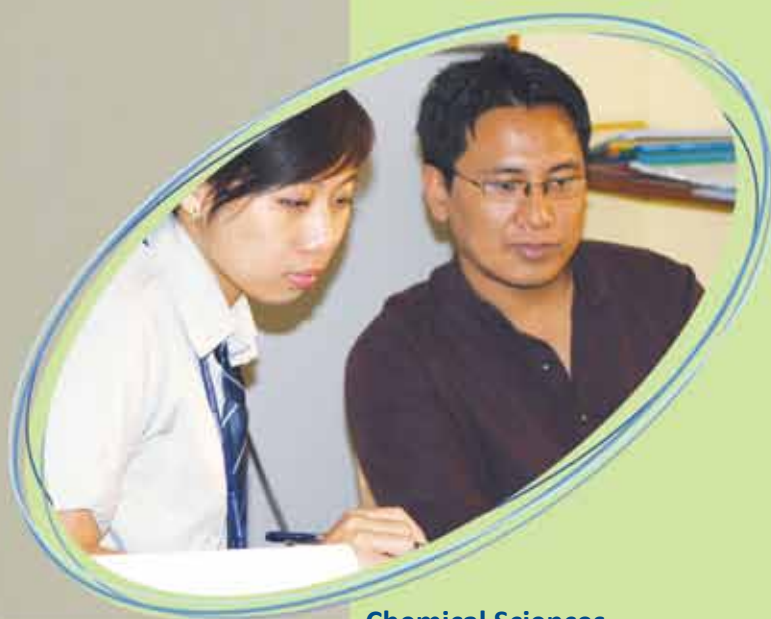
Admission Fee	: Rs. 10,000.00 (payable at admission)
Annual Fee	: Rs. 25,000.00 (for Humanities) Rs. 30,000.00 (for Science and Technology)
Registration Fee	: Rs. 15,000.00 (payable at the time of final registration)

Thrust Areas

The thrust areas for research for the 2014 intake session are as given below.

Physics

- Astrophysics, Nanophysics and Physics of microscopic biological structures
- Superfluidity and related aspects, Biophysics



Chemical Sciences

- Green Chemistry and aqueous phase organic reactions leading to novel biologically active molecules and agrochemicals
- Synthesis of novel heterocycles and study of their biological properties
- Computational Chemistry and Drug Discovery

Mathematics

- Fluid dynamics, boundary layer flow
- Magnetohydrodynamics
- Matrix differential equations and trigonometry

Electrical and Electronics Engineering

- Power systems, Embedded systems
- Optoelectronics

Electronics and Communication Engineering

- Biomedical instrumentation
- Nano-structured sensors
- Dye-sensitized solar cells

Computer Science and Engineering

- Real Time Database Systems
- Digital Image/Signal Processing
- Human-Computer Interaction

Civil Engineering

- Transportation Engineering and Water Resources
- Geoinformatics
- Seismic safety and vulnerability of structures
- Fluid and soil structure interaction
- Geotechnical and structural Engineering

Mechanical Engineering

- Hydrodynamics and related areas



Biotechnology

- Biology and breeding behaviour of certain species of fish
- Use of synthetic hormones in induced breeding of certain species of fish

Social Work

- Women Empowerment
- Sustainable Community Development
- Social work and its psychosocial correlates

Psychology and Counselling

- Culture, heredity, environment and developmental psychology; Psycho-spiritual integration
- Psychology of meaning and psychology of leadership
- Psychological assessment and counselling
- Trauma and transformation
- Socio-cultural determinants and behavioural psychology

Education

- Educational leadership and management
- Classroom management, teacher supervision
- Curriculum development

North East India Studies

- Culture, Religious Beliefs and Post-Modern Society in North-East India
- Ethnicity, Ideology and Identity Formation in North-East India; A Philosophy of Culture for North-East India

Comparative Religion

- Themes, symbols, myths and rituals among the world's religions
- Beliefs and practices regarding the sacred, the numinous, the spiritual, the divine

Mass Communication

- Philosophical and theological underpinnings of communication
- Society, development and communication, tribal and folk media, Media, religion and culture, Media ethics
- Communication theology and pastoral communication

Language Studies

- English fiction from various parts of the world
- World literature in English translation
- Travel writing and women writing
- Modern and modernist Poetry

Business Administration

- Entrepreneurship; Corporate Governance
- Marketing Management; Human Resource Management

Don Bosco University 'Aptitude for Research' Test (DBU-ART)

DBU-ART will test the aptitude of the candidate in the following areas:

- English comprehension
- Logical and analytical ability
- awareness of research in the chosen area of study

Interview

At the time of the interview, candidates are required to bring a research proposal, not exceeding 300 words, which will delineate

- a) area of study chosen for research
- b) relevance of the proposed research
- c) reason for the candidate's interest in this area

Original Documents to be produced at the time of interview (for verification)

- a) Academic documents (mark sheets, certificates from class X onwards)
- b) Certificates of work experience (if any)
- c) Proof of previous research experience (if any)
- d) No objection certificate from the current employer, if currently employed



Important Dates

Last date for application online : **30 January 2014**
Entrance Test and Interviews (tentative) : **10-15 March 2014**
Commencement of Coursework (tentative): **7 April 2014**

Exact dates for Entrance Test and Interviews and commencement of course work will be informed personally.

Further Information

For further information, please contact

Director of Research : +91 9436101222

Web: www.dbuniversity.ac.in

e-mail: admissions@dbuniversity.ac.in



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