

INFORMATION BROCHURE

For admission to

Ph D Programme

(2011-12)



Gautam Buddha University
Greater Noida, Gautam Budh Nagar - 201 310 (U.P.)

VISION

A globally acclaimed integrated academic and research institution that creates a vibrant community of intellectuals and entrepreneurs endowed with Character, Creativity, Competence and Commitment, who can inspire meaningful transformations to ensure holistic growth and development of the society.

FROM THE DESK OF THE VICE CHANCELLOR

Globalization has accelerated changes in the world order and consequently has raised new demands in industry and academia as well. In order to meet these demands, we, at Gautam Buddha University, have initiated a new model of Enlightened Education to address the needs of the new order and promote higher education and research in new emerging areas in the field of Biotechnology, Information Technology, Engineering and current practices in Management. We foster our mission for excellence in education and training coupled with a value-based intellectual growth. The approach of our programmes is non-sectarian, scholarly and critical, relying on the Buddhist scholarship and its applicability in restoring supremacy of peace, co-existence, and growth in totality. Our fundamental commitment towards social responsibility derives inspiration from the Social Transformation Movement initiated by Mahatma Jyoti ba Phule, which later was carried forward by Bodhisatva Baba Saheb Dr. Bhim Rao Ambedkar.

With emphasis on the rigorous training and education of our young aspirants, we ensure experiential learning and cutting edge research in various fields of studies. Knowledge without wisdom is a heap of facts. Our meticulously designed curriculum and training programmes stay focussed on imparting all necessary skills required in and desired from all new entrants of the industry and corporate world. As each School of learning in the University combines a multilateral confluence of academic training, research, innovation and creativity, we practice an interdisciplinary approach in teaching and learning process. Our accomplished faculty members impart quality input in teaching and experiential learning of our students, supported by lectures and workshops delivered by eminent academicians and learned scholars of national/international repute in different fields of studies.

I take this opportunity to invite all new aspirants to join hands in our mission to impart global standards of higher education, training and research for meeting educational demands of 21st Century.

S. R. Lakha
IAS(Retd.),
Former Chairman, Public Service Commission, UP

ABOUT THE UNIVERSITY

Gautam Buddha University, established by the Uttar Pradesh Act (9) of 2002, commenced its first academic session at its 511 acres lush green campus at Greater Noida in August 2008. The University is fully funded by the New Okhla Industrial Development Authority (NOIDA) and the Greater Noida Industrial Development Authority (GNIDA) the undertakings of the Government of Uttar Pradesh. The University envisions to become a world class centre for excellence in education with a special focus to serve the under privileged and economically challenged sections of the society. The University is modeled as a fully residential educational campus in line with the best institutions of higher learning across the globe. The uniqueness of its reputation is acknowledged through the format, content and pedagogy of its programmes and their relevance to the society. The University is recognized by the University Grants Commission under UGC Act and is a member of the Association of Indian Universities.

Schools

In order to promote value-based education, research and training, the University has established following schools, which are:

- 1. School of Biotechnology**
- 2. School of Applied Sciences**
- 3. School of Law, Justice and Governance***
- 4. School of Humanities & Social Sciences**
- 5. School of Architecture & Built Environment**
- 6. School of Engineering**
- 7. School of Information & Communication Technology**
- 8. School of Management,**

Centre for Buddhist Studies

** Construction stage*

THE CAMPUS

- The University is developing as a global Centre of Excellence in higher education and research,

- A fully residential campus for all Faculty, Staff and Students with world class infrastructure with security arrangements to be added like electronic surveillance, CCTV cameras at strategic locations
- Lush green campus spread over 511 acres with 30% green area, and 50,000 trees already planted,
- Total built up campus area of 55 lacs sq.fts,
- Bodhisatva Dr. Bim Rao Ambedkar Library with total built up area of 1.8 lacs sq.fts. with a reading hall for 2000 library users at a time,
- 08 Schools creating Knowledge Leaders for tomorrow,
- In its fully functional state 5000 Students shall be receiving global exposure and training,
- Manywar Kanshi Ram Auditorium with 3000 seating capacity,
- An Administrative Building and Eight School Buildings,
- Mahatma Jyoti Ba Phule Vipassana Dhyaan Kendra,
- Eklavya Sports Complex with Indoor and Outdoor Stadiums, Swimming Pool, and Gymnasium,
- Mahamaya Shanti Sarowar, a water body spread over 1 lac sqft area,
- Panchsheel Residential Campus (500 Faculty and Staff Quarters),
- Separate Hostel for 160 Married Research Scholars,
- Hostel with single occupancy for 5000 Post Graduate Students,
 - ✚ Savitri Bai Phule Women's Hostel
 - ✚ Rama Bai Ambedkar Women's Hostel
 - ✚ Shri Chhatrapati Shahuji Maharaj Men's Hostel
 - ✚ Shri Narayan Guru Men's Hostel
 - ✚ Sant Ravi Das Men's Hostel

CENTRAL LIBRARY: Bodhisatva Dr. Bhim Rao Ambedkar Pustakalya

Bodhisatva Dr. Bhim Rao Ambedkar Pustakalya (Central Library) is a structural marvel designed with inspirational inputs from the Buddhist Traditions of Learning. The Library building, situated in the centre of the Gautam Buddha University Campus, symbolises the Crown

of Buddha and the Eight Schools of Learning on the Circumference of the Design represent Eight Paths of Learning in Buddhist Tradition and Practices. The building is the tallest one in the campus and marks our tribute to Lord Buddha.

The library, constructed in approximately 1.78 lacs sqft and spread over five storeys, supports the University's mission to contribute to society through its pursuit of education, learning and research at the highest international levels of excellence. It is the heart of academic and research activities of the Gautam Buddha University. It has huge volumes of books and e-journals which cover the disciplines of management, computer science, information technology, biotechnology, Humanities, and other related areas. The Central Library is located on the outer circle of the schools as the background of Tathagat's statue. The library is well equipped with modern facilities, spacious stack halls, 2000-seating capacity reading hall, reference sections, catalogue area, multiple self supporting loaning counters, and is managed by a highly dedicated team of professionals. The Central Library is fully automated library with libsys and RFID systems.

Library Collection: The collection of the Library in the area of management, science, technology, engineering, humanities, social sciences, generalia etc. is very strong. The collection comprises mainly with books, theses, reports, current journals, back volumes, specifications, standards, video cassette, CD/DVD databases etc. The collection is heavily used by the faculty, students, alumni members, corporate members, industrial associates, project coordinators, scholars.

Apart from the printed resources it provides rich online resources like IEEE, ACM, Springer, Nature, Oxford University Press, Emerald, EBSCO, ECCH online management cases, CMIE (EIS, Prowess) databases and many other e-journals for scholars and students.

CENTRAL COMPUTER CENTRE

The Central Computer Centre (CCC) caters to the computational needs of the University and provides access to Internet resources as well as telecommunication facilities. The Campus network is carefully planned, keeping options in mind for future expansions. Fiber-optic cabling is used to connect all the major buildings. The campus has also been made Wi-Fi. The CCC has

strong IT security infrastructure that protects the university network from outside hackers. Most of the servers are using Open Source platform.

CORPORATE RESOURCE CENTRE

Continuous interaction with the industry helps students to build strong relationship with the industry professionals. This also helps students to understand the corporate world better and develop themselves as per the needs of the industry. The Corporate Resource Centre (CRC) at GBU intends to be the face of the University to the Corporate/Industry. It aims to facilitate the process of close Industry-University interactions and actively promote new avenues in experiential learning. The CRC endeavors to bridge the gap between academia and corporate world. It engages leaders, entrepreneurs, executives, and policy makers to address students to facilitate practical learning. The CRC helps students in finding appropriate summer projects and final placements. The CRC involves students strategically for various events, summer and final placements.

INTERNATIONAL COLLABORATIONS

We are carefully crafting our future which ensures qualitative education and training to students. In our quest for achieving intellectual excellence, we are re-drawing the frontiers and spreading our wings in all directions to map the limits of academic excellence. To become a global centre for excellence, we are in the process of formalizing tie ups and mutual accreditations with many universities in UK, France, Finland, Netherlands, Australia, Denmark and USA. To take the initiative of the University further, the government of Uttar Pradesh has introduced special scholarships for students of SC/ST and other economically challenged students of the society enabling 50% of them to meet their expenses for one semester at a university abroad for their travel, stay and course fees.

The University is in the process to have tie-ups and mutual accreditations with more than 15 universities in UK, USA, Australia and other major developed European countries. In this regard the University has signed MoUs with the Queensland University of Technology, Brisbane, Australia, the International Business Academy, Kolding Denmark, Manchester Metropolitan University, UK, and Sheffield Hallam University, UK.

During the session 2009-10, our students of MBA, School of Management went to Denmark to attend Summer School Programme at the International Business Academy, Kolding, Denmark for one semester to study "The European Management Perspective". In the session 2010-11, our students of MBA, School of Management and M.Tech., School of Information and Communication Technology went to Sheffield Hallam University, UK.

DOCTORAL PROGRAMME

Research being at the core, the University patronizes attempts to provide new theoretical frameworks which enable reassessment and refinement of current practices and theory. The faculty members of the University commit themselves to supervise the research work by the scholars under the Ph. D. programme conducted for faculty/research associates and employees of the University, full time research scholars, working professionals, candidates sponsored by UGC, CSIR, and other research funding organizations.

The following Schools of the University offers Ph D programme 2011-12 for faculty/researchers working in recognised institutions and professionals working in industry/Government sectors:

- 1. School of Biotechnology**
- 2. School of Applied Sciences**
- 3. School of Humanities & Social Sciences**
- 4. School of Architecture & Built Environment**
- 5. School of Engineering**
- 6. School of Information & Communication Technology**
- 7. School of Management**

GENERAL ELIGIBILITY CRITERIA (Ph.D. for Working Professionals)

Qualification: A Masters degree in relevant discipline with

- Applied Sciences/Engineering/Architecture & Built Environment/ICT: 60% marks (55% in case of SC/ST) in Qualifying exams

- Biotechnology/Humanities & Social Sciences/Management: 55% marks (50% in case of SC/ST) in Qualifying exams obtained from any of the universities/institutions established and/or approved by law.

Experience: A candidate should have two years research/teaching experience in an institute of higher learning/central laboratory or equivalent experience in industry at an appropriate level as on last date of submission of application form. The candidate is also required to produce a letter of consent from the current employer for providing sufficient facilities and time for conducting the research work.

Desirable: Papers published / presented at national/ international conferences

GENERAL ELIGIBILITY CRITERIA (Ph.D. Full Time Programme)

Qualification: A Masters degree in relevant discipline with

- Applied Sciences/Engineering/Architecture & Built Environment/ICT: 60% marks (55% in case of SC/ST) in Qualifying exams
- Biotechnology/Humanities & Social Sciences/Management: 55% marks (50% in case of SC/ST) in Qualifying exams obtained from any of the universities/institutions established and/or approved by law.

Desirable: Papers published / presented at national/ international conferences

SCHOOL OF BIOTECHNOLOGY (No. of Seats: 07)

Qualification	A Masters' degree in any discipline of Life Sciences
Mode	Full Time and Working Professionals
Areas for Research	Animal Biotechnology Plant Biotechnology Bioinformatics Cell and Molecular Biology Structure Biology and Biochemistry

SCHOOL OF APPLIED SCIENCES (No. of Seats: 21)

Qualification	A Masters' degree in Mathematics, Physics or Chemistry
Mode	Full Time and For Working Professionals
Areas for Research	Mathematics Physics Chemistry

SCHOOL OF HUMANITIES & SOCIAL SCIENCES**(No. of Seats: 14)**

Qualifications	A master's degree in relevant specialisation
Mode	Full Time and For Working Professionals
Areas for Research	Education Psychology International Relations History Political Science Social Work Sociology Globalisation & Communication Cross Cultural Communication Advocacy, Social Advertisement and Mass Media Organisational Communication Mass Media and Society Language and Culture

SCHOOL OF ARCHITECTURE AND BUILT ENVIRONMENT (No. of Seats: 10)

Qualifications	A master's degree in relevant specialisation
Mode	Full Time and For Working Professionals
Areas for Research	Environmental Engineering Structural Engineering Water & Waste Water Treatment Architecture Urban Planning Regional Planning Remote Sensing & GIS Climate Change Water Management

SCHOOL OF ENGINEERING (No. of Seats: 10)

Qualifications	A master's degree in relevant specialisation
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Mode	Full Time and For Working Professionals
Areas for Research	Power Systems Renewable Energy Reliability Electrical Machine & Drives Mechanical Engineering Industrial Engineering Operation Research Project Management CAD/CAM

SCHOOL OF INFORMATION & COMMUNICATION TECHNOLOGY (No. of Seats: 16)

Qualification	Master's in Engineering or Technology in major areas of Computer Science & Engineering and Electronics & Communication
Mode	Full Time and For Working Professionals
Areas for Research	Software Engineering Intelligent Systems Wireless Communication and Networks VLSI Design

SCHOOL OF MANAGEMENT (No. of Seats: 10)

Qualification	A Masters' degree in Management or related discipline
Mode	For Working Professionals
Areas for Research	Finance & Accounting Marketing Management Operations Management & Decision Sciences Strategic Management & Entrepreneurship Organisation Behaviour & Human Resources Management Business Communication, Information Management, Development Studies

A candidate shall normally be permitted to conduct research in his/her area of specialization. However, *inter-disciplinary* research shall be encouraged provided a candidate displays the necessary competence to conduct such research as ascertained and recommended by his/her supervisor(s) and approved by the Research Degree Committee of the concerned School.

NUMBER OF SEATS AND RESERVATION

- **Number of seats** as indicated by each School is **tentative** and may be revised depending on the availability of supervisor(s) in the research area and other research facilities.
- The reservation policy of the University shall be followed (23% for SC/ST and 27% for OBC categories).

ADMISSION PROCEDURE

- The candidates who fulfil the eligibility criteria are required to send completed application form along with a tentative Research Proposal (see **Annexure 1** for guidelines).
- The eligible candidates shall be required to take the entrance test **GPT-R** to be conducted **at the Gautam Buddha University Campus**, Greater Noida, Gautam Budh Nagar (U P). However, the candidates who have qualified **JRF/NET/SLET** will be exempted from taking the university entrance test (GPTR).
- **GPT-R** will be of 120 minutes duration and will comprise of 100 questions divided into different sections). The nature of questions will be objective with multiple choice answers. There will be no negative marking. There will be sectional cut-off.
- The candidates who qualify in written entrance test shall be called for personal interview to assess the suitability of their research proposal and the overall candidature for provisional admission to the Ph D programme. If required, the quality and suitability of the research proposal may also be considered as an additional criterion for calling for interview.
- The candidates shortlisted shall submit the required fee for on a specified date.

The admission of candidates to the programme will be provisional subject to their successful completion of all the requirements at the time of registration.

Syllabi for Entrance Test (GPT-R)

English Proficiency	25%
General Awareness	25%
Subject Awareness	50%

STRUCTURE OF THE PROGRAMME

The Ph D programme of the University will be conducted in two phases:

Phase I: Course Work (Pre-doctoral)

- The candidate shall be required to complete at least **8 credits (or more)** course work as decided by the concerned School of the University.

- The candidate shall be required to complete the course work normally during the first semester. This time period, however, may be increased for individual candidates, if required, but not beyond 12 months from the date of admission.
- The course work includes attending classes, writing assignments, seminars, end semester written examination etc.
- The candidate shall complete all assigned courses with minimum grade as decided by the competent authority. Other academic rules of the University will also be applicable to the Ph D candidates.
- Satisfactory completion of the course work in all aspects is mandatory before submitting the **Research Proposal** for registration to the programme.

Phase II: Research Work

- The candidate shall submit the **Research Proposal** which shall be put in the meeting of the Research Degree Committee (RDC) for consideration for registration to the Ph D Programme. The candidate shall appear for presentation-cum-viva before the RDC.
- The candidate will have only two chances for appearing before RDC. *The admission to the programme will stand cancelled, if the Research Proposal is not approved by RDC even in two appearances.*
- Further, the candidate shall stay in touch with his supervisor(s) and submit periodic research progress reports. However, the progress of the research work shall be evaluated by the supervisor(s) from time to time and submitted and/or presented through research seminars, normally twice in a year.
- The candidate shall be required to register along with fee in every semester
- Before final submission of thesis, the candidate will have to give a **Pre-submission** seminar to be organised by the concerned school. The candidate should also be able to publish at least two research papers related to his/her research work in the refereed journals of international repute before final submission of the Ph D thesis.

DURATION OF THE PROGRAMME

The minimum period for submitting the Ph D thesis shall **not be less than two years** from the **date of approval of RDC** or any other date as approved by RDC and the maximum period will not exceed five years under any circumstances. This period excludes the duration to complete course work. If the candidate is not able to submit his/her thesis within the specified duration of time, the Vice-Chancellor on the recommendation of Dean of the School may extend it further up to a maximum of one year only.

RESEARCH SUPERVISOR(S)

The candidate will have a research supervisor (internal) from the University. The number of supervisors may be two, if the research is interdisciplinary. However, a recognised teacher as per the university ordinances can also act as an external supervisor with prior written approval of the University. The requirement of external supervisor is optional.

FEE STRUCTURE

The fee structure shall be decided by the competent authority of the university from time to time. The present fee is as follows:

- a) Academic Fee Rs. 10,000/- per semester
- b) Registration Fee Rs. 10,000/-

c) Caution Money (Refundable): Rs 10,000/-.

In addition to the above fee (For Full Time Ph.D. Scholars),

- a) Hostel charges will be Rs 30,000/- per academic session.
- b) Food Charges approximately Rs. 25000/- per academic session

HOW TO APPLY

The application form should be downloaded from the university website www.gbu.ac.in. The candidate should submit the application form along with a demand draft of **Rs. 1200/-** (Rs. 600/- for SC/ST candidates) drawn in favour of **The Chairman Admissions, Gautam Buddha University** payable at Noida/Delhi. The completed application form should be accompanied with following documents:

- Demand draft for Rs 1200/- (Rs 600/- for SC/ST)
- Attested copies of mark sheets and certificates of all examinations starting from 10th
- Experience certificates,
- Attested copy of caste certificate, if applicable
- Consent letter from the current employer (if applicable)
- Copy of tentative Research Proposal

Please mention **‘Application for Ph D Programme’** on the right top corner of the envelope. The completed application form **along with** tentative **research proposal** should reach latest **by April 30 2011** to:

**The Chairman Admissions
Admission Office, Administrative Building
Gautam Buddha University, Greater Noida, Gautam Budh Nagar, (U.P) 201310**

Note:

- No stipend/scholarship will be provided to the admitted candidates by the University.
- Mere fulfilling eligibility criterion may not ensure getting a call for written test and/or interview.
- The incomplete application form and/or research proposal written inappropriately can be the reason for rejecting the candidature for admission.
- The competent authority of the University can take suitable decision in any matter which needs to be further explained. The University reserves the right to review the rules in case of Ph D programme from time to time and only the latest rules will be applicable to all candidates irrespective of the year of registration.
- The University will not be responsible for any delay in receiving the application form for any reason whatsoever.
- The result of admission to the programme, declared by University shall be final and binding.
- In case of any legal dispute, the jurisdiction will be limited to Gautam Budh Nagar courts only.
- Candidates are also advised to keep updating their email address and phone number for all important communications.
- For more information please visit website **www.gbu.ac.in** or contact at **+91 120 2344234**.
- **Important Dates**

Last Date of Receiving the Application Form in the University	30 April, 2011
Date of Written Entrance Test (GPT-R)	29 May 2011

Personal Interview	Jul-Aug, 2011
Commencement of the programme	Aug, 2011

ANNEXURE 1

Guidelines to be followed for preparing the Research Proposal

- The Proposal should be of **5-6 pages** (excluding references).
- The font size 12 Times Roman, 1.5 line spacing and margin of 2.5 cm all sides.
- The front page should bear the Topic and Name, affiliation of the applicant.
- The following framework should be observed:
 - Title
 - Introduction
 - Review of literature
 - Objectives and scope
 - Methodology proposed
 - Anticipated contribution to the concern body of knowledge
 - References