INFORMATION BROCHURE

for admission to

Ph D Programme
(for industry professionals & faculty working in recognised institutions)

(2010-11)

Gautam Buddha University
Greater Noida, Gautam Budh Nagar - 201 308 (U.P.)

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 Government of Uttar Pradesh. The University envisions to become a world class center 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.

Gautam Buddha University has planned and is developing one of the finest campuses that can rival the best in the world. The University Campus is an architectural marvel and has in its master plan:

- Campus spread over 511 acres with about 75 lakhs sq. ft. of constructed area, and 30% Green Belt with 50,000 trees,
- Central Library with modern facilities and reading hall for 2000 students,
- Administrative Building and Eight Faculty (School) Buildings,
- The Faculty & Staff Quarters, Married Research Scholar Hostels,
- Students Hostels with 5000 single seated rooms,
- International Guesthouses and Convention Centre,
- Meditation Centre, Swimming Pools and Gymnasia,
- Indoor and Outdoor Sports Complex,
- Water Bodies, Utility Centres and many other facilities.

Academic Programmes

Our Vision and Mission are carried out by our accomplished faculty, recruited and groomed in accordance with the practices in reputed national and international institutions. The academic programmes, designed in line with the best universities around the world, include Doctoral and Masters in Management, Engineering, IT, Biotechnology and Social Sciences. A tireless quest for knowledge and exploration, intellectual excellence, and inculcation of eternal human values makes us distinct from the rest. In order to promote value-based education, research and training, the University has established five Schools. These are:

1. School of Management
2. School of Biotechnology
3. School of Information and Communication Technology
4. School of Engineering
5. School of Social Sciences and Buddhist Studies

In near future the University is planning to add three more schools viz.
6. School of Pharmacy and Applied Sciences
7. School of Law, Justice & Governance
8. School of Architecture and Regional Planning

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, working professionals, candidates sponsored by UGC, CSIR, and other research funding organizations.

The following Schools of the University offers **Ph D programme** 2010-11 for faculty/researchers working in recognised institutions and professionals working in industry/Government sectors:
1. **School of Management**
2. **School of Information & Communication Technology**
3. **School of Engineering**
4. **School of Social Sciences & Buddhist Studies**

GENERAL ELIGIBILITY CRITERIA

Qualification: A Master degree in relevant discipline (**as prescribed by concerned School**) with minimum **55%** aggregate marks (**50%** in case of SC/ST) 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

SCHOOL OF MANAGEMENT   (No. of Seats**: 25)**

Qualification	A Masters' degree in Management or related discipline
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

SCHOOL OF INFORMATION & COMMUNICATION TECHNOLOGY   (No. of Seats**: 08)**

Qualification	**M. Tech/ M.E.** Computer Science, I T, Electronics & Communication, Electronics, Communication, Software Engineering, Intelligent Systems, Computer Networks, Microelectronics, VLSI
Areas for Research	Mobile Computing, QoS in Networks, Open Resources and Platforms, Internet Technologies, Expert Systems, Knowledge based System Design, Robotics, Wireless Networks, VLSI systems, Software Testing, Software Quality Assurance, Software Re-engineering, Microcontrollers, Wireless Communication, Network Reliability

SCHOOL OF ENGINEERING   (No. of Seats: **05**)

Qualifications	M. E./M. Tech in Civil Engineering, Water Resources, Environment Engineering, Geomatics **with** B.E./B. Tech degree in Civil Engineering
Areas for Research	Water resources allocation, Water management, Urban water supply system optimisation, Climate change and its impact on water resources & environment, Remote sensing & GIS applications in water resources & environment, System optimisation

SCHOOL OF SOCIAL SCIENCES & BUDDHIST STUDIES   (No. of Seats: **10**)

Subject/Areas for Research	Qualification
Behavioural Sciences/ Applied Psychology	M.A /M. Sc in Psychology
Social Work	Master of Social Work/ M. A in Sociology /Social Work / Social Anthropology
International Relations	M. A in International Relations/ History/ Political Science/Public Administration
Education	M. A in Education/M. Ed

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 **Research Proficiency Test (RPT)** to be conducted **at the Gautam Buddha University Campus,** Greater Noida, Gautam Budh Nagar (U P).
- The Research Proficiency Test (RPT) will be of 90 minutes duration and will comprise of 100 questions divided into different sections (see **Annexure 2)**. 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.

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 (at least around 4-6 weeks), writing assignments, case analysis, 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 academic fee is **Rs. 10,000/- per semester** and one time deposit of **Rs 5,000/-** as **caution money** (refundable).

HOW TO APPLY

The application form should be downloaded from the university website (*www.gbu.ac.in)* or alternatively may be collected from the office of the University. The candidate should submit the application form along with a draft of **Rs. 1000/-** (Rs. 500/- for SC/ST candidates) drawn in favour of **Gautam Buddha University** payable at Noida/Delhi. The completed application form should be accompanied with following documents:

- Demand draft for Rs 1000/- (Rs 500/- 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
- 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 May 31 2010** to:

> **Admission Office (Ph D Programme)**
> **Gautam Buddha University, Greater Noida, Gautam Budh Nagar, (U.P) 201308**

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	**31 May, 2010**
Date of Written Entrance Test (**at the University Campus,** Greater Noida)	**11 Jul, 2010**
Personal Interview	**Jul-Aug, 2010**
Commencement of the programme	**Aug, 2010**

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:

    o Title
    o Introduction
    o Review of literature
    o Objectives and scope
    o Methodology proposed
    o Anticipated contribution to the concern body of knowledge
    o References

ANNEXURE 2

Structure of the question paper of Research Proficiency Test (RPT) 2010

Area	Sections with No. of questions (%)	
Management	English Proficiency	25%
	Reasoning & Quantitative Aptitude	25%
	Research Aptitude	25%
	General Awareness	25%
Information & Communication Technology	English Proficiency	25%
	Reasoning & Quantitative Aptitude	25%
	Research Aptitude	25%
	Information & Communication Technology	25%
Engineering	English Proficiency	25%
	Reasoning & Quantitative Aptitude	25%
	Research Aptitude	25%
	Water & Environment Engineering	25%
Social Sciences	English Proficiency	25%
	Reasoning & Quantitative Aptitude	25%
	Research Aptitude	25%
	General and [#]Subject Awareness	25%

[#] Subject for Ph D degree as offered by concerned school