



Admission Brochure: Ph.D. Programme 2024

August-September, 2024



BRAINWARE UNIVERSITY

398, Ramkrishnapur Road, Barasat, North 24 Parganas, Kolkata - 700 125

www.brainwareuniversity.ac.in

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1. PH.D. PROGRAMME AT BRAINWARE UNIVERSITY

The Ph.D. programme at Brainware University is designed to create research interest among the young minds who are dynamic and capable of addressing complex problems. The in-house research supervisors and senior professors have worked in prominent universities and institutions across the country and even internationally. The laboratory infrastructural facilities are modern and well equipped. The university faculty has experience handling multiple government and industry-funded research grants.

Brainware University Research Fellowships are provided to deserving candidates while liberal seed-funding are provided to research proposals that demonstrate ideas translatable to innovative products and processes. Support is also provided for filling patents, incubation and start-up development for such innovative ideas. All National Level Examination qualified and other Full Time Research Scholars will be awarded Brainware University Research Fellowships ranging from Rs. 20,000 to Rs. 35,000 per month.

The programme is flexible and designed for the best interest of working persons and full-time scholars.

2. ELIGIBILITY

The following are eligible to seek admission to the Ph.D. programme:

(1) Candidates who have completed:

Candidates who have completed a 1-year/2-semester master's degree programme after a 4-year/8-semester bachelor's degree programme or a 2-year/4-semester master's degree programme after a 3-year bachelor's degree programme or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory



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authority in that country to assess, accredit or assure quality and standards of the educational institution.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non- creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

(2) Candidates who have completed:

A candidate seeking admission after a 4-year/8-semester bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.

(3) Candidates who have completed:

M.Phil. programme with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. programme.

A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the Commission from time to time.



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3. DURATION OF THE PROGRAMME

- (1)** Ph.D. Programme shall be for a minimum duration of three (3) years, including course work, and a maximum duration of six (6) years from the date of admission to the Ph.D. programme in BWU.
- (2)** A maximum of an additional two (2) years can be given through a process of re-registration as per the Statute/Ordinance of the Higher Educational Institution concerned; provided, however, that the total period for completion of a Ph.D. programme should not exceed eight (8) years from the date of admission in the Ph.D. programme.

Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme.

- (3)** Female Ph.D. Scholars may be provided Maternity Leave/Child Care Leave for up to 240 days in the entire duration of the Ph.D. programme.

4. PROCEDURE FOR ADMISSION

The admission to PhD programme at Brainware University will be using the following methods, keeping in view the guidelines/norms in this regard issued by the UGC (U.G.C regulations 2022 and NET entrance test criteria notification of 27 March 2024) and other statutory/regulatory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.

- (1)** Brainware University may admit students who qualify for fellowship/scholarship in UGC-NET/UGC- CSIR-NET/GATE/CEED and similar National and State level tests as well as students with National/Internationally recognised Graduate scholarships (Eg. DST-INSPIRE, Maulana Azad National Fellowship, Jawarlal Nehru Memorial Fellowships) based on only an interview.



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The interview for these candidates can be convened by the Dean/Director Research separately on receipt of application of the forms as per requirement and availability of advertised seats. Interview will be held by a Candidate Selection Committee as defined in section 17.3.

NET Scores can be used for admission to PhD programmes. NET Candidates will be declared eligible under in three categories below as per UGC notification:

Category-1: Eligible for (i) admission to Ph.D. with JRF and (ii) appointment as Assistant Professor.

Category-2: Eligible for (i) admission to PhD. without JRF and (ii) appointment as Assistant Professor.

Category-3: Eligible for admission to PhD. programme only and not for the award of JRF: or appointment as Assistant Professor.

The JRF-qualified students are admitted into the Ph.D. programme based on an interview as per the University Grants Commission (Minimum Standards and Procedures for Award of Ph.D. Degree) Regulations. 2022.

For students who qualify in Categories 2 and 3, 70% weightage will be given for test scores and 30% weightage for the interview for admission to Ph.D. programmes. The Ph.D. admission will be based on the combined merit of NET marks and the marks obtained in the interview/viva voce.

And/or

(2) Brainware University may admit students through an Entrance Test (BWU-PET) conducted at the level of the individual University level. The Entrance Test syllabus shall consist of 50% of research methodology, and 50% shall be subject specific (Annexure I).

Students who have secured 50% marks in the entrance test are eligible to be called for the interview. A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC/differently-abled category, Economically Weaker Section (EWS), and other categories of candidates as per the decision of the Commission from time to time.



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Brainware University may decide the number of eligible students to be called for an interview based on the number of Ph.D. seats available and filled from NET exams above. Clearing the entrance exam does not ensure a call up for interview.

Provided that for the selection of candidates based on the entrance test conducted by the Brainware University, a weightage of 70% for the entrance test and 30 % for the performance in the interview/viva- voces shall be given.

5. ADMISSION TEST DETAILS

The test will comprise of two papers, each of 75 minutes duration:

Paper-I (Common for all subjects): This paper will have 50 objective type multiple choice questions. The scope of paper will be General Aptitude, Reasoning, Numerical/ Mental Ability, Indian Education system, Analytical skills/ Research aptitude, Environment, language Proficiency, Teaching Aptitude and any other topic covered in Paper-I of the UGC-NET.

Paper-II (For subject opted by the candidate): This paper will have 50 objective type multiple choice questions. The scope of the paper will be limited to the core areas relating to concerned discipline/ subject.

- i. The syllabus of Paper-II will be same as that of UGC- NET
- ii. Qualifying marks in the entrance test is 50 percent in aggregate. A relaxation of 5% marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non-creamy layers)/Differently abled category in the qualifying marks for the entrance test.
- iii. All candidates except those who have qualified UGC NET (any of the three categories)/ UGC-CSIR NET/SLET/GATE/ASRB/DBT or any National Entrance test for PhD will be exempt from appearing in entrance exam and maybe selected based on an interview.
- iv. There will be no negative marking in the Test.

Selection Criteria for Admission

Weightage of different components for determining merit for admission is as under:



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Components	Weightage (Percent)
Marks obtained in the Entrance Test/any NET	70
Performance in the Interview/Viva-voce	30
Total	100

6. FELLOWSHIP FOR FULL TIME SCHOLARS

All National Level Examination qualified and other Full Time Research Scholars will be awarded Brainware University Research Fellowships ranging from Rs. 20,000 to Rs. 35,000 per month.

7. COURSES OFFERED / PROPOSED PH.D. INTAKE: 2024

Brainware University reserves the right to reduce or increase the number of intake based on the availability of seats at the time of selection process

Name of school	PhD Programme	Department	Vacancy
School of Computational and Applied Sciences	PhD in Science (Computer Science)	Computational Sciences	5
	PhD in Science (Mathematics)	Mathematics	4
School of Biotechnology and Biosciences	PhD in Science (Biotechnology)	Biotechnology	10
School of Medical & Allied Health Sciences	PhD in Pharmaceutical Sciences	Pharmaceutical Technology	2
School of Law	PhD in Law	Law	2
School of Engineering	PhD in Engineering (Electronics & Communication Engineering)	Electronics & Communication Engineering	1
	PhD in Engineering (Computer Science Engineering)	Computer Science and Engineering	6
School of Management	PhD in Management	Management	4
	PhD in Commerce	Commerce	1
	PhD in Hospital Management	Hospital Management	2
School of Humanities and Social Sciences	PhD in Humanities (English)	English and Literary studies	1



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8. HOW TO APPLY

To apply for the Ph.D. programme of the University, eligible candidates may apply online using credit/debit card/UPI for payment AT <https://www.brainwareuniversity.ac.in/doctoral-research.php>.

Further, the candidate should download and print the application form available on our website and submit hardcopy to the office.

Incomplete applications or applications received without all required enclosures (As defined in Application form) are liable to be rejected / may not be processed.

Important Note

- Please use separate application forms to apply for different Departments.
- Each application form must be complete in all respects.
- Candidates can apply for the Ph.D. programme for three Departments at most.

9. FEE STRUCTURE

S. No.	Description	Time period	University Fee	Remarks
1	Application Processing and Entrance Exam Fee	Along with Application form	Rs.2000/-	One Time
2	Enrolment and payment of Course Work, course exam and Library fees	On any working day (Within 10 days of selection)	Rs.40000/- + Rs.10000/- (Library) = Rs.50000/-	One Time
3	Payment of semester fees (first semester)	On any working day (Within 10 days course work completion exam)	Rs.50000/-	Per Semester
4	Payment of fees for PhD Registration	On any working day (Within 10 days of registration notification)	Rs.20000/-	One Time
5	Payment of semester fees (second semester): Progress Seminar_1	On any working day (Along with progress report)	Rs.50000/-	Per Semester



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6	Payment of semester fees (third semester): Progress Seminar_2	On any working day (Along with progress report)	Rs.50000/-	Per Semester
7	Payment of semester fees (fourth semester): Progress Seminar_3	On any working day (Along with progress report)	Rs.50000/-	Per Semester
8	Payment of semester fees (fifth semester): Progress Seminar_4	On any working day (Along with progress report)	Rs.50000/-	Per Semester
9	Payment of fees (sixth semester) and any other fees/dues) and Pre submission presentations in respective DRC	On any working day (Along with progress report)	Rs.50000/-	Per Semester
10	Submission of Thesis	On any working day (Along with thesis)	Rs.20000/-	One Time
11	After Sixth Semester, every additional Semester till the completion	-	Rs.50000/-	-
12	Re-Registration fees during extension beyond stipulated time	-	Rs.20000/-	-

10. COURSE WORK

Every candidate enrolled for the Ph.D. programme shall undergo course work. The Credit requirement for the Ph.D. coursework is a minimum of 12 credits, including a “Research and Publication Ethics” and a research methodology course. The DRC can also recommend UGC recognized online courses as part of the credit requirements for the Ph.D. programme.

All Ph.D. scholars, irrespective of discipline, shall be required to train in teaching/education/pedagogy/writing related to their chosen Ph.D. subject during their doctoral period. Ph.D. scholars may also be assigned 4-6 hours per week of teaching/research assistantship for conducting tutorial or laboratory work and evaluations.

The course work shall consist of the following:

- Paper I: Research Methodology (Compulsory) [Credit: 4; Full marks 100; Duration: 60 hours]
- Paper II: Research and Publication Ethics (Compulsory) [Credit: 2; Full marks: 100; Duration: 30 hours]
- Paper III: Background Paper relating to the candidate’s Ph.D. work. [Credit: 3; Full marks 100; Duration: 45 hours]
- Paper IV: Subject Based Case Study Report and presentation relating to the candidate’s Ph.D. work. [Credit: 3; Full marks 100; Duration: 45 hours]



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A Ph.D. scholar must obtain a minimum of 55% marks or its equivalent grade in the UGC 10-point scale in the course work to be eligible to continue in the programme and submit his or her thesis.

11. PhD PROGRESS CALENDAR (MINIMUM PERIOD)

Semester	Plan of Action
1	[Course Work (12 Credits) as follows: <ul style="list-style-type: none">• Paper I: Research Methodology (Compulsory) [Credit: 4; Full marks 100; Duration: 60 hours]• Paper II: Research and Publication Ethics (Compulsory) [Credit: 2; Full marks: 100; Duration: 30 hours]• Paper III: Background Paper relating to the candidate's Ph.D. work. [Credit: 3; Full marks 100; Duration: 45 hours]• Paper IV: Subject Based Case Study Report and presentation relating to the candidate's Ph.D. work. [Credit: 3; Full marks 100; Duration: 45 hours]• Pre-registration seminar at the end of the semester
2	Research Work (Reviews/ Theoretical/ Experimental)
3	Research Work (Reviews/ Theoretical/ Experimental)
4	Research Work (Reviews/ Theoretical/ Experimental)
5	Research Work (Reviews/ Theoretical/ Experimental) Preparation of Pre – Submission Seminar
6	Pre – submission seminar followed by submission of thesis

The Ph.D. Programme shall be for a minimum duration of three years (including course work)



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and a maximum of 6 years. The programme is divided into 6 semesters (The time period of each semester is 6 months). Research work should result in presentation of papers in national/ international conferences together with publication in peer-reviewed Journals of repute.

Failing to submit the thesis in the prescribed period of time, extension may be granted to him on the terms and conditions prescribed by UGC and the university has sole discretion in this regard. On expiry of the period, the registration of the candidate shall automatically stand cancelled but in this context, he or she may be considered by university in a genuine case of delay.

12. ROAD-MAP/TIME ACTIVITY CHART FOR PhD PROGRAMME (TENTATIVE)

	Events	Time period (Sep. intake)	Time period (Mar. intake)
1.	Advertisement for applications for PhD (School/Department wise available seats are to be mentioned on website)	8 th June,2024	1 st week of November,2024
1(a)	Issue of application forms	08.06.2024 to 15.08.2024	01.11.2024 to 15.12.2024
1(b)	Last date for receipt of complete Online application form with soft copies of documents	15.08.2024	15.01.2025
2.	Entrance Exam to PhD programme	August,2024	February,2025
2(a)	BWU-PET Entrance Examination	20.08.2024	01.02.2025
2(b)	Publication of list of Eligible candidates for Interview	22.08.2024	10.02.2025
2(c)	Interview on Proposed Research Area along with plan of work (250 words) before Candidate Selection Committee (Offline)	26.08.2024 & 30.08.2024	17.02.2025 & 21.02.2025
3.	Publication of merit list followed by Supervisor Allocation.	02.09.2024	24.02.2025
(b)	Payment of Course Work fees	02.09.24 to 07.09.24	24.02.25 to 28.02.25
(c)	Date of Enrolment/ Induction activities at Campus/Commencement of Classes	09.09.2024	01.03.2025
4.	Ph.D. Course work classes are to be held (Sep. 2024/Mar 2024– Feb.15 2025/Aug. 14, 2025)	13 September,2024 till 15.02.2025	March,2025 till 14.08.2025
For full time/part time PhD scholar, course work classes will be held on every Friday and Saturday [10.00 am - 5 pm (Proposed)]			



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5.	Course work Examination	1 st week of March, 2025	1 st week of September, 2025
6.	Publication of result of Course Work Examination	15 March, 2025	15 September, 2025
7.	Payment of first semester fees	15/03/2025-25/03/2025	15/09/2025-25/09/2025
8.	Submission of Synopsis/Doctoral Research Proposal (Last date)	30/04/2025	31/10/2025
9.	Synopsis presentations in respective DRC	30 days within submission (Subject to DRC availability)	
10.	Payment of Registration fees and Registration	On any working day Within 10 days of Notification of Registration	
11.	Payment of second semester fees: Along with Progress Seminar_1, 2, 3, 4 etc.	On any working day from 1 st to 10 th of September/March for September/March Intake respectively	
12.	Payment of fees and Submission of Thesis	On any working day (Not before 10/09/2027 or 02/03/2028 respectively along with thesis submission recommended by DRC)	
13.	Provisional Award of PhD Degree (Expected)	Six months from thesis submission	
14.	Formal Award of Degree during next University Convocation		

13. TERMINATION FROM PROGRAM

A scholar's PhD procedure will be terminated if:

1. He/she fails to complete the course work within the first year of provisional registration with a minimum of 55% marks or its equivalent grade in the UGC 10-point scale in the course work.
2. He/she fails to submit a satisfactory Research Proposal in three attempts.
3. The PhD thesis has not been accepted after two resubmissions.
4. Any disciplinary action has been taken against him/her on the recommendation of the appropriate committee.
5. He/she gets continuous non satisfactory 6th month progress report.
6. He/she does not respond to the mails sent by PhD office or supervisor