

# Harcourt Butler Technical University, Kanpur -02

## GUIDELINES FOR ADMISSION TO Ph.D. PROGRAMME WINTER SESSION, 2023-24

1. Applications for admission to Ph.D. programs at HBTU, Kanpur are invited for the winter session 2023-24. Online Registration and Fee Payment of Rs. 2500/- (Non-refundable) can be made from December 18, 2023 (Monday) to January 03, 2024 (Wednesday midnight) through the University website [www.hbtu.ac.in](http://www.hbtu.ac.in) or <https://erp.hbtu.co.in/PhD.aspx> Detailed guidelines related to admission are also available on the University website.
2. All eligible Indian residents may apply for Ph.D. programs. There is no age limit for the candidates seeking admission to the Ph.D. programs at HBTU Kanpur.
3. Candidates are advised to read the guidelines carefully and check their eligibility before filling out the online application form.
4. Accepting admission at HBTU Kanpur implies the acceptance of all the provisions of admission by the candidate. Any change in the rules, regulations, fees, etc. shall apply mutatis mutandis to the admitted candidates.
5. Candidates seeking the benefit of reservation are required to indicate the same in the Online Application Form. Original certificates are to be produced at the time of document verification along with one set of self-attested copies of each one of them. Formats for different certificates are available on the HBTU website. These formats are subject to change as per the orders of Govt. of Uttar Pradesh. Note that the OBC certificate for such candidates should be issued on or after 01.04.2023 (mandatory condition for a non-creamy layer for OBC candidates). Candidates from other states will get vertical reservation only (No Horizontal reservation). They are required to submit a reserve category certificate issued by the Central Government.
6. If the result of the qualifying examination has not been declared till the date of the document verification due to any reason, whatsoever, such candidate shall not be eligible for admission under any circumstances.
7. If any document/declaration submitted by the candidate is found to be false at any stage, his / her admission shall be canceled and he/she may be liable to prosecution under the law. In case of any legal dispute, the jurisdiction will be limited to Kanpur courts only.
8. Incomplete application forms will be rejected and the sole responsibility for its consequences will be on the candidate. No representation in this regard will be entertained.
9. The academic Fee for admission to the Ph.D. program is Rs. 65,000=00 (Rs. Sixty Five Thousand only) for session 2023-24.
10. Written examination / Interview and Document Verification for PhD admissions will be conducted at HBTU Kanpur. A separate intimation will be displayed on the HBTU website for this purpose.

11. The candidates seeking admission to PhD programmes of a Department as per Table 1 are required to appear in the PhD Entrance Test of the concerned department only.
12. The candidates will be required to qualify in the Written Examination comprising of Papers I & II. The contents of the Paper I will focus on testing the skills of data interpretation, language proficiency, reasoning and logic design, research aptitude, etc. Paper II shall be subject-specific. Both papers will contain multiple-choice type questions. A candidate is required to obtain an aggregate of 50 percent marks or more in Paper I & II to be called for an interview. Weightage of Written Examination and Interview is 70 percent and 30 percent, respectively.
13. **Candidates with valid UGC-NET / CSIR-NET / GATE / CEED and similar National level test scores in their relevant discipline with eligibility for fellowship will be exempted from the University Entrance Test. However, they are required to appear for the interviews.**
14. **The number of seats under the regular Ph.D. program is given in Table 1. The sponsored and part-time candidates may get admission against the availability of seats under the faculty as per his/her cadre (maximum 04 for Assistant Professor, 06 for Associate Professor, and 08 for Professor).**
15. Candidates who have been awarded grades in the qualifying examinations are required to present a conversion formula for an equivalent percentage of marks from the University / Institute. In the absence of such a conversion formula, the decision taken by the Admission Committee will be final.
16. **All the candidates are required to come with photo identity proof such as an Aadhar Card / Driving License / PAN at the time of the Written Examination and Interview / Counseling for Admissions.**
17. All the information related to PhD admissions for winter session 2023-24 will be made available on the University website <http://www.hbtu.ac.in>. Candidates are advised to frequently visit the website for updates. HBTU Kanpur will not be responsible for the consequences to the candidates due to the lack of communication.
18. In case of seat allotment, the candidate is required to deposit the full Academic Fee within the specified period otherwise, his / her admission will be canceled. The seats thus, vacated will be filled by candidates from a waiting list.
19. **If a candidate fails to report for Registration on the due date leaves the University after completing all the formalities of admission or leaves the study midway, the Academic Fee deposited by the candidate will be forfeited and any request for withdrawal/refund will not be entertained under any circumstances.**
20. **University reserves the right to modify the Guidelines as and when required.**

**Table 1: Eligibility criteria for PhD programs in different departments of at HBTU Kanpur**

Department	No. of Seats* (Full Time)	Minimum Eligibility Criteria
<b>School of Engineering</b>		
Civil Engineering	10	(i) A 1-year/2-semester or 2-year/4-semester M.E./M.Tech. degree after a 4-year/8-semester or 3-year/6-semester B.E./B.Tech. degree in the relevant discipline respectively with a minimum of 55% marks or equivalent CGPA/CPI. OR (ii) 4-year/8-semester B.E./B.Tech. degree in the relevant discipline with a minimum of 75% marks or equivalent CGPA/CPI. OR (iii) MCA degree with a minimum of 55% marks or equivalent CGPA/CPI for MCA stream (Also eligible for pursuing Ph.D. in Computer Sciences & Engineering and Information Technology)
Computer Science & Engineering	11	
Electrical Engineering	10	
Electronics Engineering	09	
Mechanical Engineering	06	
<b>School of Chemical Technology</b>		
Chemical Engineering	05	(i) A 1-year/2-semester or 2-year / 4-semester M.E. / M.Tech. degree after a 4-year / 8-semester or 3-year/6-semester B.E./B.Tech. degree in the relevant discipline respectively with a minimum of 55% marks or equivalent CGPA/CPI. OR (ii) 4-year/8-semester B.E./B.Tech. degree in the relevant discipline with a minimum of 75% marks or equivalent CGPA/CPI. OR (i) M.Sc. degree in Chemistry / Industrial Chemistry / Applied Chemistry / Biotechnology or equivalent with a minimum of 55% marks or equivalent CGPA/CPI.
Bio-Chemical Engineering	04	
Food Technology	00	
Oil Technology	05	
Paint Technology	05	
Plastic Technology	05	
Leather Technology	05	
<b>School of Basic &amp; Applied Sciences</b>		
Chemistry	02	M.Sc. degree in relevant discipline with a minimum of 55% marks or equivalent CGPA/CPI.
Physics	05	
Mathematics	01	
<b>School of Humanities &amp; Social Sciences</b>		
Management	02	Master's degree in relevant discipline/subject with a minimum of 55% marks or equivalent CGPA/CPI.
English	02	
<b>School of Entrepreneurship and Management</b>		
Management	06	Master's degree in relevant discipline/subject with a minimum of 55% marks or equivalent CGPA/CPI.

\* The candidates may also apply in their respective branch against Part Time or Sponsored seats in addition to the seats mentioned for Full Time programme.

Note:

1. A relaxation of 5% of marks in minimum qualifying marks is permissible (without grace marks) to candidates belonging to SC / ST / OBC-NCL / PwD / EWS / other category candidates as decided by UGC from time to time.
2. A University Fellowship of Rs. 15000=00 per month for a maximum period of three years will be granted to all Full-time PhD students.

### Reservation of Seats

#### a) Vertical Reservation:

Category	Percentage of Reservation
(a) Scheduled Caste	21%
(b) Scheduled Tribe	02%
(c) Other Backward Classes	27%

#### b) Horizontal Reservation (Sub-categories):

Sub-category	Code	Maximum Percentage of Total Seats
a. Dependents of Freedom Fighters	FF	02%
b. Sons / Daughters of Defence Personnel Retired (superannuated) or killed / Disabled in action	AF	05%
c. Handicapped / Disabled persons	PH	05%
d. Girls	GL	20%

- c) The candidates can be given only one type of horizontal reservation out of FF / AF / PH (*Certificate no. 4, 5 & 6 respectively*). **However, the Female candidates can also claim for any one of FF / AF / PH along with GL.**
- d) **Economically Weaker Section (EWS) Quota / Reservation (over and above a maximum of 10% of the offered seat intake in the course)**  
Candidates who wish to avail the benefit of the EWS quota must not be covered under the existing scheme of reservation for the Scheduled Castes, Scheduled Tribes, and Socially and Economically Backward Classes. They must produce Certificate No. 12 issued by the Government Officer, not below the rank of Tehsildar to claim the benefit of this reservation.
- e) Request for the change of category/sub-category filled during Online Registration Form shall not be entertained under any circumstances.
- f) Category/sub-category claims must be supported by the relevant certificates as per the format provided at the time of Document Verification. Otherwise, the allotment will be canceled and the candidates shall be treated in General Category in the next round of counseling.

- g) The advantage of horizontal reservation in the Armed Forces sub-category is available to sons/daughters of Defence Personnel of U.P. and the Defence Personnel posted in U.P. on the date of admission.
- h) Benefits of UPGL subcategory will automatically be given to all eligible female candidates.
- i) Candidates belonging to other states will have only vertical reservations. Centre Government list for reserved category candidates will be accepted.

**Medical Standards**

- a) Candidates will have to submit a certificate of Medical Fitness / Handicapped on Certificate no. 8 at the time of Document Verifications at HBTU, Kanpur.
- b) The medical standards prescribed are given below:

Height	Candidates should be physically and mentally fit to pursue his / her studies in opted course.
Weight	
Chest Measurement	
Heart and lungs	No abnormality
Hernia, Hydrocele, Piles etc.	Presence of any of these is to be corrected before joining
Vision	Normal, if defective, it must be got corrected to 6/9 in the better eye and 6/12 in the worse one. Eyes should be free from congenital or any other disease
Hearing	Normal, If defective, it must be got corrected before joining.

**Physically Handicapped / Disabled:**

Physically Handicapped / Disabled persons of Uttar Pradesh will have a minimum of 5% reservation on the basis of impairment and mentioned below:

Type I	Minimum 40% permanent Visual impairment
Type II	Minimum 40% permanent Locomotors disability
Type III	Minimum 40% permanent speech and Hearing impairment

**Note:** Physically handicapped / Disability certificate should be issue by CMO of the district.

## Ph.D. Programs Offered by the University

### a) Full Time

A research scholar in this category is required to work full-time to pursue Ph.D. work. The student will be eligible to receive University scholarship of Rs. 15000=00 from the University. All applicable University Fee and expenditure for pursuing research shall be charged from the candidate.

### b) Sponsored

A research scholar in this category is sponsored by a recognized R&D organization, academic institution, government organization, research laboratory, or industry to pursue Ph.D. in the University on a full-time basis. Such students will be required to submit a Sponsorship Certificate from their respective organization along with their GPF / CPF / EPF/ NPS contribution proof. The University shall not provide any assistantship / scholarship to such research scholars and all the applicable University fee and expenditure for pursuing research work shall be remitted by the sponsoring organization to the University. Research scholars under this scheme shall be treated as full-time students. Faculty / staff of the University shall not be considered for admission under this category.

### c) Part-time

A candidate working at a research centre recognized by the University, regular / contractual faculty members of this University / employees working in Govt. / Govt. aided / Private Engineering Colleges / Universities / Industries / Public sector organizations shall be considered for the admission under this category **if their Organization is situated within 100 km distance from HBTU Kanpur. All such candidates have to submit “No-Objection Certificate” from their employers at the time of interview.** The requirement of 100 KM distance may be relaxed if appropriate authority of the candidate’s organization provides “No-Objection Certificate” explicitly stating that:

- i. The candidate is permitted to pursue studies on a part-time basis.
- ii. His/her official duties permit him/her to devote sufficient time for research.
- iii. If required, he/she will be relieved from his/her duty to complete the course work.

Eligible faculty / staff members of the University shall be treated as Part-time research scholar.

### d) Quality Improvement Program (QIP)

QIP provides opportunities to faculty members of the degree awarding Engineering Institutions to improve their qualifications by admitting them to Ph.D. programs as per the rules prescribed in the QIP scheme of MHRD, Govt. of India. Research Scholars under this scheme shall be treated as full time students.

**TABLE 2: FEE STRUCTURE FOR PhD PROGRAMS**

<b>S. No.</b>	<b>Particular</b>	<b>Fee in (Rs.)</b>
<b>A</b>	Tuition Fee	<b>25000</b>
<b>B</b>	<b>Other than Tuition Fee</b>	
<b>(i)</b>	Registration, Examination & Certification	10000
<b>(ii)</b>	Facility	15000
<b>(iii)</b>	Medical Fee	3000
<b>(iv)</b>	Training & Placement	0
<b>(v)</b>	Activity Charges	1000
<b>(vi)</b>	<b>Other Charges</b>	
	Caution Money	1500
	University Alumni Fund	1500
	Student Aid Fund	1500
	Contingency & Miscellaneous Charges	6500
	Total (i+ii+iii+iv+v+vi)	40000
	<b>Grand Total (A+B)</b>	<b>65,000.00</b>

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## ADMISSION SCHEDULE FOR Ph.D. PROGRAMME WINTER SESSION, 2023-24

Sr. No.	Activity	Dates
1.	Online submission of application form on the official website: <a href="http://www.hbtu.ac.in">www.hbtu.ac.in</a>	December 18, 2023 – January 03, 2024 (Monday – Wednesday)
2.	Display of Programme wise list of qualified candidates with valid UGC-NET / CSIR-NET / GATE / CEED and similar National level test scores for interview (Exempted from University Entrance Test 2023)	January 05, 2024 (Friday)
3.	Display of Programme wise list of candidates eligible for University Entrance Test 2023	January 06, 2024 (Saturday)
4.	University Entrance Test of Eligible Candidates	January 10, 2024 (Wednesday)
5.	Display of Programme wise list of Selected Candidates for Interview	
6.	Document Verification & Interview of Selected Candidates in their respective Departments	January 11, 2024 (Thursday)
7.	Display of Final Result	January 12, 2024 (Friday)
8.	Registration, and Academic Fee Deposition by Selected Candidates	January 15-17, 2024 (Monday – Wednesday)
9.	Commencement of Classes	January 18, 2024 (Thursday)