



# हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

**HARCOURT BUTLER TECHNICAL UNIVERSITY**

NAWABGANJ, KANPUR - 208002, U.P., INDIA

**(Formerly Harcourt Butler Technological Institute, Kanpur)**

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, Email : [vc@hbtu.ac.in](mailto:vc@hbtu.ac.in)

**100+**  
YEARS  
Since 1921



## Notice

No.: 263/DORD/PDF scheme /2026

Date: 06/05/2026

A Post-Doctoral Fellowship (PDF) scheme has been introduced to enrich the Research and Development (R&D) activities of the University, with the approval of the Hon'ble Vice-Chancellor. Applications for the University Post-Doctoral Fellowship (PDF) are invited in the broad research areas prescribed by the various Schools of the University, as approved earlier by the competent authority. All proposals received shall be scrutinized by a duly constituted Screening Committee through presentation/interview.

No call letter will be sent by post; candidates must check their registered email and university website regularly for important information. On the day of test/interview, a candidate must produce her/ his valid original Identity proof. The Institute reserves the right to call a limited number of candidates for test/interview, based on performance in GATE/NET, grades/marks in the qualifying examination, shortlisting criteria etc. Merely fulfilling minimum eligibility criteria does not guarantee call for test/interview. The decision of the university in all matters shall be final and binding. No inquiry or correspondence will be entertained in this regard.

Accordingly, applications (both hard and soft copies) are invited from eligible candidates, as per the PDF guidelines of university. The application must be submitted in duly prescribed format along with self-attested documents and 03 best SCI/Scopus indexed papers (preferably) to the R&D Office on or before **26 May 2026** through **speed/registered post only**.

**Enclosure:** As above (Annexure page no. 1 to 14)

**(Prof. Rajesh Kumar Verma)**  
**Dean-Research & Development**

**Copy to the following for kind information and needful:**

1. Dean of Schools/Head of Departments (By mail)
2. Dean of Academic Affairs
3. Registrar
4. Finance Controller
5. System Manager for wider circulation on the website
6. Staff officer: for kind information to the Hon'ble Vice Chancellor.

**(Prof. Rajesh Kumar Verma)**  
**Dean-Research & Development**



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## OFFICE OF THE DEAN RESEARCH & DEVELOPMENT (R&D)

Advt. No. 263 /DORD/PDF scheme /2026

Date: 06/05/2026

### Advertisement for the Position of University Post Doctoral Fellowship (PDF)

Harcourt Butler Technical University, Kanpur invites applications from young Indian National researchers who have completed their Ph.D. from recognized Institute/ University/ any national laboratory for university sponsored Postdoctoral Fellows (PDFs). Under this initiative, PDFs will engage in advanced research at the Institute under the guidance of a faculty member. Please visit the websites of the respective departments/school for details of existing research facilities. The last date of application submission is **26 May 2026**.

#### 1. ELIGIBILITY FOR THE APPLICANT

Candidates fulfilling the following qualification and conditions for the **total six (06) seats with one (01) seat in each of the six (06) Schools of the University** are eligible for this PDF program.

- Candidates having Ph.D. degree in the relevant subject from an Institution/University approved by the UGC/AICTE, New Delhi, preferably with published research works and having aptitude for research.
- Provisional degree certificate may be accepted if the degree is not awarded.
- The upper age limit for the candidates is 35 years. However, a relaxation 5 years in age will be given to SC/ST/OBC/PWD/Women.
- The candidates having 55% marks either at UG or PG level are eligible for the program. A relaxation of 5% marks will be given to SC/ST/OBC/PWD/Women.
- The candidates working under adhoc/temporary/Guest faculty positions are also eligible for this program. However, they are required to submit No Objection Certificate from their organization/Institution issued by the Head of Department and Registrar/Director.
- Candidates offered with the post-doctoral fellowship under the concerned schemes of the UGC/AICTE, New Delhi or any other recognized agency.
- Persons sponsored by recognized industrial organizations fulfilling other criteria.
- Transgender candidates are eligible to apply under this program. The reservation shall be followed as per state government norms.
- PDF can be availed only once by a candidate in his/her career.



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## 2. PDF POSITIONS AVAILABILITY

One (01) position vacancy is available in the schools listed below.

Sl. No.	Name of School	Department	Broad Area of Research
1.	School of Engineering	Mechanical	Fluid and turbo machine Engineering
2.	School of Chemical Technology	Biochemical	Enzyme Technology
3.	School of Basic and Applied Sciences	Chemistry	Organic Chemistry, Polymer Chemistry
		Mathematics	Applied Mathematics Fluid Dynamics Soft Computing
		Physics	Experimental Condensed Matter Physics

## 3. FELLOWSHIP AMOUNT

- The PDF shall carry a fixed monthly fellowship of Rs. 65000 (Rupees sixty-five thousand only) per month.
- The fellow shall be entitled to receive a yearly lapsable contingency amount of Rs. 50,000 (Rupees fifty thousand only) on production of valid bills.
- An adhoc/temporary/outsourced/Guest faculty/staff of the university willing to pursue post-doctoral fellowship, may be permitted with the fellowship amount of Rs. 65000 per month only when he continues to take his/her assignments of the Department. However, in this case, he/she will not be given the salary of the concerned post.
- The fellow shall be eligible, on the recommendation of RAC, for the reimbursement of the expenses for attending the National/International conferences and other expenses for presenting research papers in the National/International seminars/conferences organized by the reputed Universities / research institutes / professional bodies at par with faculty members of the University in the entire tenure of the fellowship.
- During the fellowship duration, PDF fellows will be permitted only casual leave in line with the teaching staff of the University.
- PDF scholar will not be entitled to receive Dearness Allowance (DA).
- House Rent Allowance (HRA): PDF students may be provided hostel accommodation



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whenever available. PDF students residing in the hostels shall not be entitled to HRA. In case of unavailability of the hostel accommodation, HRA as per state Govt. norms will be applicable. However, percentage for calculation of HRA will be based on the amount of fellowship.

#### 4. SELECTION PROCEDURE

- i) The interested candidates for PDF program are required to apply in the prescribed application form (*Form-A and Annexure-I*) available in these guidelines.
- ii) The application shall comprise of
  - a) Duly filled in prescribed Application Form.
  - b) A covering letter that mentions the specific research area to be considered.
  - c) A detailed academic CV, list of publications and Names of two academic referees.
  - d) A statement of Research Interests / Statement of purpose (around 1500 words).
  - e) A detailed proposal as per prescribed format within 5000 words including an abstract of 500 words.
  - f) Soft copy of reprints of three best research publications.
  - g) Recommendation of the Ph.D. supervisor in the prescribed column in the application form.
- iii) The University reserves the right to reject any or all applications without assigning any reason thereof.
- iv) The number of seats for the PDF may increase or decrease as per the requirements of the University.
- v) During the engagement processes, appropriate communication at all times would be made through the university website / e-mail to keep applicants informed of their application status.

#### 5. DURATION

- i) The duration of PDF program shall be initially for one year. However, the tenure can be extended for one further year on satisfactory research work reported by the RAC.
- ii) The fellow will be required to submit an affidavit to work in the University for at least one year, failing which he/she will return back the entire amount of fellowship received till the date of discontinuance.
- iii) Vice Chancellor may terminate the fellowship of a person at any time on the basis of a report from the Head of the Department/Centre/School and recommendation of the RAC.



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## 6. NOTES

- i) A mere fulfilment of required minimum qualifications and experience does not entitle a candidate to be called for presentation/discussion.
- ii) PhD holders from HBTU are eligible to apply only after gaining a minimum of two years of relevant post-PhD experience elsewhere. In such cases, their supervisors or co-supervisors cannot act as his/her mentor.
- iii) Holding the position of IPDF shall in no way be connected to selection as faculty or staff member of HBTU, Kanpur. The post is temporary and contractual and co-terminus with the project/scheme duration of one year.
- iv) Change of mentor will only be possible to another faculty working in the same broad area of research with the approval of the Vice-chancellor under exceptional circumstances only.
- v) The Institute reserves the right to fill or not to fill the posts advertised.
- vi) Separate application must be filled, if a candidate is applying for Post-Doctoral Fellowship in more than one Departments/ Schools.
- vii) Candidates selected under this scheme shall be required to work under the guidance of an assigned mentor(s) faculty member and shall publish research articles with due acknowledgment to the University.
- viii) Points not covered in the policy should be considered as per HBTU/AICTE norms.

## 7. HOW TO APPLY

- i) The application format (Form A and Annexure-I) as mentioned below and further details will be available on the Institute's website.
- ii) The candidate is required to visit the Harcourt Butler Technical University, Kanpur website on regular basis.
- iii) As a precaution, after submitting the application form, please retain a copy of the application with you for future references.
- iv) Candidates employed with Government/Semi-Government Organizations or with



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Autonomous Bodies must print a copy of the electronic submission and submit through proper channel at the address given below.

Address for Communication:

**The Dean**  
**Research and Development**  
**Harcourt Butler Technical University, Kanpur**  
**Kanpur-208002, Uttar Pradesh**  
**Email: [dord@hbtu.ac.in](mailto:dord@hbtu.ac.in)**

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(Form-A)

## APPLICATION FORM

(Post-Doctoral Fellowship)

**Harcourt Butler Technical University, Kanpur**

*Affix the latest  
passport size  
photograph*

Department/School Applied for: \_\_\_\_\_

1. Name of the Candidate (In Capital): \_\_\_\_\_

2. Sex (Male/Female): \_\_\_\_\_

3. Marital Status (Married/Unmarried): \_\_\_\_\_

4. Date of Birth: \_\_\_\_\_

5. Age (As on the date of application): Years \_\_\_\_\_ Months \_\_\_\_\_ Days \_\_\_\_\_

6. Father's/Husband's Name: \_\_\_\_\_

7. Present/Contact Address:

\_\_\_\_\_

8. Permanent Address:

\_\_\_\_\_

\_\_\_\_\_

9. Mobile No: \_\_\_\_\_

10. E-mail: \_\_\_\_\_

11. Nationality: \_\_\_\_\_



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12. Category (Gen/SC/ST/OBC/PH): \_\_\_\_\_

13. Aadhar Number: \_\_\_\_\_

## 14. Educational Qualification

Qualification	Subject/Discipline	Board/Institute/Univ.	Year of passing	% of marks	Division
10th					
12th					
B.E./B.Tech.					
M.E./M.Tech.					
Ph.D.					
Any Other					

## 15. Professional Experience (Teaching/Research/Industrial), if any

Name of the organization	Designation	Period		Nature of Work
		From	To	

## 16. Details of Journal Publications (Attach separate sheets, if required)

Sr. No.	Details of publication including Authors, Title, Journal Name, Page No., year/month/vol. and DOI etc.	ISSN / ISBN No.	Indexing and Impact Factor	Citations	
				Scopus	Web of Science



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## 17. Details of Conference Publications (Attach separate sheets, if required)

Sr. No.	Details of publication including Authors, Title, Conference details, Page No., year/month/vol. and DOI etc.	ISSN / ISBN No.	Indexing and Impact Factor	Citations	
				Scopus	Web of Science

## 18. Articles/ Chapters published in Books

Sr. No.	Title with Page Nos. in the Book	Details of the Book including Title, Authors, Editor & Publisher	ISSN/ISBN No.

## 19. Books Published

Sr. No.	Details of the Book including Title, Authors, Editor & Publisher	ISSN / ISBN No.

## 20. Details of IPRs

Sr. No.	Details of the IPRs including Patents, Copyrights etc.	Indian or International	Status (Filed, Published, or Granted)

## 21. Details of Funded Research Projects and Consultancies

Sr. No.	Title of the Project/Consultancy	Agency	Period/Duration	Grant/ Amount Mobilized (Rs Lakh)



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### 22. Research Guidance

Program	Number Enrolled	Thesis Submitted	Degree Awarded
M.E./M. Tech./ M. Phil. or Equivalent			
Ph.D. or Equivalent			

### 23. References

[Please give name, address and contact numbers (office and residence) of at least two persons under whom you have worked or have had professional interaction]

Sr. No.	Name	Address	Contact Number

### DECLARATION

I hereby declare that I have carefully read the instructions and guidelines of PDF hosted in the website of Harcourt Butler Technical University, Kanpur and that the entries made in this application form are correct to the best of my knowledge and belief. I understand that association (active or passive) with any unlawful organization is forbidden. If selected, I promise to abide by the rules and discipline of the University.

I note that the decision of the University is final in regard to the selection for admission and assignment to a particular field of study. The University shall have the right to expel me from the University at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuation in the University is not desirable. I agree that I shall abide by the decision of the University, which shall be final.

Place: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of the Applicant



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## Cover Letter Cum Undertaking certificate

To,  
The Dean (Research & Development)  
Harcourt Butler Technical University  
Kanpur – 208002 (U.P.)

**Subject:** Submission of PDF research proposal entitled “.....  
.....” for PDF position in the Department/School.....

1. I am hereby submitting the application for PDF of the above-cited research Proposal for your kind consideration and approval.
2. I hereby declare that I have not previously received PDF funding from any institute or university.
3. I certify that the PDF proposal is my original research idea and has been prepared by me. The proposal has not been submitted elsewhere for financial assistance. The research work proposed does not duplicate any work already carried out or being undertaken elsewhere, to the best of my knowledge.
4. The proposal has been checked for plagiarism and AI-generated content through an Institute-approved plagiarism/AI detection tool (Turnitin), and the similarity index is within the permissible limit (less than 15%). In case any discrepancy or plagiarism is found at any stage, I shall be solely responsible and will abide by the action taken by the University.
5. I hereby certify that the information furnished in this application is true to the best of my knowledge and belief.

**Name and signature of applicant:**

**Date:**

**Email and Mobile no.**

**Address:**

**Remark and signature of Dean R&D office**



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**POST DOCTORAL FELLOWSHIP**  
**Harcourt Butler Technical University, Kanpur**

**NO OBJECTION CERTIFICATE FROM THE EMPLOYER**

*(To be submitted along with application)*

The application of \_\_\_\_\_ working as \_\_\_\_\_ in \_\_\_\_\_ Since \_\_\_\_\_ is herewith recommended and forwarded for Post-Doctoral Fellowship at Harcourt Butler Technical University, Kanpur University.

1. This organization does not have any objection to accepting Post-Doctoral Fellowship at Harcourt Butler Technical University, Kanpur if selected and the applicant will be deputed/granted leave.
2. Till the completion of his/her PDF program, the applicant will not ordinarily be transferred to another unit or place which may impede his/her work under the fellowship.

Date: \_\_\_\_\_

Name of Authorized Signatory: \_\_\_\_\_

Designation of Authorized Signatory: \_\_\_\_\_

Signature: \_\_\_\_\_

Seal of the organization: \_\_\_\_\_

Address of the organization: \_\_\_\_\_

\_\_\_\_\_



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**Annexure-I**

## **INDICATIVE OUTLINE FOR THE DETAILED RESEARCH PROPOSAL**

### **1. Title**

#### 1.1 Project Title

The title should clearly indicate the core theme of the research.

It must reflect key variables, materials, or concepts involved in the study.

### **2. Abstract (≈ 500 Words)**

#### 2.1 Background of the Study

#### 2.2 Problem Statement

#### 2.3 Objectives of the Study (in bullets)

#### 2.4 Expected Outcomes

### **3. Introduction**

#### 3.1 Background and Context

Provide an overview of the research field.

#### 3.2 Problem Statement

Clearly define the specific problem being investigated.

#### 3.3 Significance of the Study

Explain how the research will contribute to knowledge, industry, or society.

#### 3.4 Rationale of the Study

Justify why this study is being conducted.

### **4. Review of Literature**

#### 4.1 Overview of Existing Studies

Summarize important research works related to the topic.

#### 4.2 Key Findings from Previous Research

Highlight major results and conclusions from earlier studies.

#### 4.3 Limitations of Existing Work

Identify gaps, weaknesses, or unexplored areas.

#### 4.4 Identification of Research Gap

Clearly show what is missing in current research.

Justify how your study will fill this gap.

### **5. Objectives**

The general aim of the study as well as its specific objectives should be clearly stated in the proposal.



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## 6. Research Questions / Hypotheses

### 6.1 Research Questions

Frame clear and focused questions the study will answer.

### 6.2 Hypothesis Formulation (if applicable)

Define testable hypotheses for experimental research.

### 6.3 Variables and Relationships

Identify independent and dependent variables.

Explain expected relationships between them.

## 7. Research Methodology

### 7.1 Research Design

Specify the type of research (experimental, analytical, simulation, etc.).

Justify why this design is suitable.

### 7.2 Materials and Data Sources

List materials, tools, or datasets to be used.

Mention source and selection criteria.

### 7.3 Experimental / Analytical Procedures

Provide step-by-step methodology of the study.

Ensure reproducibility.

### 7.4 Tools and Techniques for Analysis

Mention testing methods (e.g., tensile test, SEM, statistical tools).

## 8. Relevant and Anticipated Outcomes

### 8.1 Expected Results

Describe the likely findings of the research.

### 8.2 Practical Implications

Discuss real-world applications (industry, engineering, etc.).

### 8.3 Societal, SDGs and Policy Impact

Mention benefits to society or policy development.

### 8.4 Proposed Research Outputs

Expected deliverables like Research papers, Patents, Reports / Books

## 9. Layout

Introduction

Literature Review

Methodology

Experimental Work

Expected Results/Discussion



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## **10. Timeline (Monthly Plan of Action)**

### 10.1 Phase-wise Work Plan

Divide the research into phases (review, experiment, analysis).

### 10.2 Monthly Activity Schedule

Assign tasks to each month.

## **11. References**

Citation Style (APA Format)