

# I. K. Gujral Punjab Technical University

## Advertisement:

Applications are invited from qualified and interested candidates for the position of 1 Post-Doctoral Fellow (PDF) seat for implementation of Visvesvaraya Ph.D. Scheme in the stream of Chemistry/Civil Engineering at the I.K. Gujral Punjab Technical University, Kapurthala for academic year 2025-26, funded by the Ministry of Electronics and Information Technology. The fellowship is for a period of one year, with a monthly stipend of ₹1,08,000/-

**Application Process and Last Date** Interested candidates should send a duly filled and signed application form available on website by **31<sup>st</sup> August 2025**, along with scanned copies of essential documents (including the project proposal), to the **Dean (R&D)** by email at **dean\_rd@ptu.ac.in** with subject line: "Application for PDF".

Candidate has to work in the field of Electronics System Design & Manufacturing (ESDM) and IT/IT Enabled Services (IT/ITES) sectors.

Title of the Project	Electroactive Molecularly Imprinted Polymeric Nanoparticles for Multiplexed detection of Chronic Kidney Disease Biomarkers in Department of Chemistry  OR Integration of AI-Driven IoT and Remote Sensing for Landslide Early Warning Systems in Department of Civil Engineering
Funding Agency	Ministry of Electronics and Information and Technology (MeitY)
Description of the Project	In Civil Engineering and Chemistry related to Electronics System Design & Manufacturing (ESDM) and IT/IT Enabled Services (IT/ITES) sector.
Principal Investigator (PI)	Dr. Rajiv Chauhan, Professor & HoD, Civil Engg, IKGPTU. Dr. Reshu Sanan, Associate Professor, Chemistry, IKGPTU.
Nodal Officer	Dr. Y.S. Brar (Nodal Officer), Dean (R&D), IKGPTU.
Position	Post-Doctoral Fellowship
Number of Posts	One (01) (either Civil Engineering or Chemistry)
Salary	Rs. 1,08,393/- per month + Rs. 1.0 lakh Contingencies + Rs. 2.1 lakh travel support.
Minimum Qualification	Ph.D. degree (Please refer Annexure-A for more details) in the subject of Civil Engineering / Chemistry.
Desirable Qualification and Interest	<ul style="list-style-type: none"><li>• The PDF is awarded to researchers with a proven academic record, including peer-reviewed publications and recognitions.</li><li>• It is a full-time, non-transferable, temporary position tenable in India only.</li><li>• The fellowship is valid for 1 year.</li><li>• The PDF applicant should be an Indian citizen.</li></ul>

	<ul style="list-style-type: none"> <li>• PDF applicants currently in regular employment will not be considered. However, scientists or researchers with temporary positions in academia or research institutions would be considered, but they would be required to relinquish their current roles if selected for the fellowship.</li> <li>• The PDF applicant must have obtained a PhD degree from a recognized University with first class (in terms of grades, etc.) in all preceding levels and a good academic record throughout.</li> <li>• The eligible participating institution must ensure that the PDF applicant should have completed PhD within the past 5 years on the last date of submission of application to the institution.</li> <li>• PDF applicants should not have completed their PhD at the same institution (host institution) where the PDF fellowship is to be awarded.</li> <li>• The upper age limit for the fellowship is 40 years on the date of submission of application to the eligible participating institution (host institution).</li> <li>• A suitable Mentor/Guide, under whom the proposed research would be carried out, must be identified by the institution.</li> <li>• Mentor/Guide of PDF fellow must hold a regular academic/research position in a recognized institution in India. He/she should hold a Ph.D. degree in Science or Engineering.</li> <li>• The research proposal of the PDF applicant, to be submitted to the institution, should define clear objectives, outcomes and deliverables against the award.</li> <li>• Preference would be given to the PDF applicants who have active industry linkages and their research proposal is directed towards industry specific problems.</li> </ul>
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**Important Instructions:**

1. Hard copy of application form (available on university website: <https://ptu.ac.in/phd/visvesvaraya-ph-d-scheme/>) with all the details along with self-attested copies of certificates and all supporting documents should reach to the university at below given address at latest by 31/08/2025. In addition, duly filled and signed scan copy of application form along with the scanned copies of essential documents can be sent to Dean (R&D), IKGPTU, through e-mail at: dean\_rd@ptu.ac.in with subject line "Application for PDF".
2. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for interview. The candidates will be shortlisted on the basis of merit and need of the project.
3. The shortlisted candidates will be informed by-email along with the date and time of the written test and/or interview. No other letter will be sent to the correspondence address.
4. Shortlisted candidates have to present themselves for the written test and/or interview with the updated CV, application form, original and attested photocopies of mark sheets/certificates in support of their academic qualifications.
5. No TA/DA shall be paid to candidates for attending the interview and/or joining the position.
6. The appointment is for a time bound project and the candidate is required to work dedicatedly for the successful completion of the project. Selected candidate has to join immediately.
7. Incomplete application forms and forms received after due date will be summarily rejected.
8. All the Terms and Conditions for this recruitment will be as per guidelines of MeitY, Govt. of India.

**ADDRESS FOR CORRESPONDENCE:**

Dean (Research & Development),  
I.K. Gujral Punjab Technical University Jalandhar,  
Jalandhar Kapurthala Highway, Kapurthala – 144603.  
Punjab, INDIA.

Subject: Application for the Post-Doctoral Fellow (PDF) Position.

Applications are invited from qualified and interested candidates for the position of 1 Post-Doctoral Fellow (PDF) seat for implementation of Visvesvaraya Ph.D. Scheme in the stream of Chemistry/Civil Engineering at the I.K. Gujral Punjab Technical University, Kapurthala for academic year 2025-26, funded by the Ministry of Electronics and Information Technology. The fellowship is for a period of one year, with a monthly stipend of ₹1,08,000/-

**Application Process and Last Date** Interested candidates should send a duly filled and signed application form available on website by **31<sup>st</sup> August 2025**, along with scanned copies of essential documents (including the project proposal), to the **Dean (R&D)** by email at **dean\_rd@ptu.ac.in** with subject line: "Application for PDF".

Candidate has to work in the field of Electronics System Design & Manufacturing (ESDM) and IT/IT Enabled Services (IT/ITES) sectors.

Title of Project:			
1	Post Applied for		Paste here a recent passport size photograph
2	Name of the Candidate (BLOCKLETTER)		
3	Father's Name (BLOCKLETTER)		
4	Mother's Name (BLOCKLETTER)		
5	Date of Birth: (DD/MM/YYYY)		Sign
6	Sex (Male/Female/Other)		
7	Marital Status (Married/Single)		
8	Category (SC/ST/OBCIPWD/GEN)		
9	Previous Research experience: (use additional sheet if required)		
10	Publication(s), If any: (use additional sheet if required)		
11	Patent (Granted in proposed research area).		

12	Any project completed / on-going in industry. (with outcome of the project)	
13	GATE/ NET: Score	
14	Rank	
15	Specialization	
16	Academic Qualification: (Starting from Standard 10 or equivalent Examination)	
	Name of the Exam Passed	Name of the School / College / Institute / University
		Year of Passing
		Discipline / Specialization
		Percentage of Marks/ CGPA
17	Address for Communication: (BLOCKLETTER)	
18	Permanent Address: (BLOCKLETTER)	

19	Contact No. (Mobile)		
20	E-mail ID		
21	Contact Details of two referees		
		Referee I	Referee II
	Name		
	Designation		
	Organization		
	Office Address		
	Office Phone Number		
	Email ID		
22	Areas of Expertise		
23	Experience details in industry / Research in the proposed area of the research		

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature of the candidate

Note: For post-doctoral fellow (please refer the Annexure A for additional documents)

# Annexure A

## Terms & Conditions for the Visvesvaraya PhD Scheme – Post Doctoral Fellowship (PDF).

The host institution (where the PDF seats are allotted and candidates are enrolled), must ensure timely selection of the awardees (within the timelines as specified by PhD Cell) against the allotted seats, following the scheme guidelines and their timely reporting to the PhD Cell, Digital India Corporation (DIC), MeitY for registration under the scheme.

Awardees not registered under the scheme will not be eligible for support

### 1. Eligibility and Duration

- 1.1 The PDF is awarded to researchers with a proven academic record, including peer-reviewed publications and recognitions.
- 1.2 It is a full-time, non-transferable, temporary position tenable in India only.
- 1.3 The fellowship is valid for **1 year**.
- 1.4 The PDF applicant should be an Indian citizen.
- 1.5 PDF applicants currently in regular employment will not be considered. However, scientists or researchers with temporary positions in academia or research institutions would be considered, but they would be required to relinquish their current roles if selected for the fellowship.
- 1.6 The PDF applicant must have obtained a PhD degree from a recognized University with first class (in terms of grades, etc.) in all preceding levels and a good academic record throughout.
- 1.7 The eligible participating institution must ensure that the PDF applicant should have completed PhD within the past 5 years on the last date of submission of application to the institution.
- 1.8 PDF applicants should not have completed their PhD at the same institution (host institution) where the PDF fellowship is to be awarded.
- 1.9 The upper age limit for the fellowship is 40 years on the date of submission of application to the eligible participating institution (host institution).
- 1.10 A suitable Mentor/Guide, under whom the proposed research would be carried out, must be identified by the institution.
- 1.11 Mentor/Guide of PDF fellow must hold a regular academic/research position in a recognized institution in India. He/she should hold a Ph.D. degree in Science or Engineering.
- 1.12 The research proposal of the PDF applicant, to be submitted to the institution, should define clear objectives, outcomes and deliverables against the award.
- 1.13 Preference would be given to the PDF applicants who have active industry linkages and their research proposal is directed towards industry specific problems.

### 2. Responsibilities of the PDF Awardee

- 2.1 In addition to own research work, the awardees need to participate in activities under the Visvesvaraya PhD Scheme as assigned by PhD Cell such as:
  - o Evaluation of research work of PhD Candidates
  - o Mentoring of PhD candidates
  - o Participation in collaborative research under the scheme
  - o Participation in workshops and events
  - o Other assignments by PhD Cell

Signature and Seal of Nodal Officer	Signature and Seal of Head of the Institution
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*Susheel Mittal*  
14.8.25



- 2.2 Provide **research proposals** including specific timelines, deliverables, etc. and **monthly progress reports**.
- 2.3 Report significant achievements during the tenure
- 2.4 Promptly follow the directions of PhD Cell
- 2.5 Acknowledge the scheme at all significant forums including publications/ achievements/recognitions etc. using the following template:
- "This publication/achievement/recognition is an outcome of the R&D work undertaken during the tenure of PDF award under the Visvesvaraya PhD Scheme, being implemented by PhD Cell, Digital India Corporation, MeitY."*
- 2.6 Inform the PhD Cell **at least one month in advance** for any **long-term leave** (e.g., study leave, sabbatical, etc.).
- 2.7 Must **not receive any other fellowship** during the award period.
- 2.8 If any awardee wishes to discontinue the fellowship, the institution should inform PhD Cell, DIC; MeitY immediately. One month's notice is to be given by the institution before the date of discontinuation.

### 3. Financial Support

- Fellowship: ₹1,08,393/month
- Contingency Grant: ₹1,00,000/year (disbursed on a **pro-rata** basis, e.g. ₹25,000/quarter)
- Contingency Grant usage is restricted to:
  - Minor equipment
  - Consumables
  - Research-related items
- No provision for hiring research staff.
- The institution must:
  - Provide administrative/infrastructural support.
  - Intimate PhD Cell, DIC through email about non-performance, non-compliance with the schemes guidelines, absence, leaves, etc. or other reasons, affecting the fellowship amount or resulting in fellowship stoppage of any PDF awardee at any point of time.
  - Secure receipts of such intimation by PhD Cell, DIC well in advance as the fellowship would be released by PhD Cell DIC, as soon as possible, once the fellowship becomes due. In absence of such intimation, PhD Cell, DIC will continue to transfer the fellowship directly to the PDF awardee every month of a financial year.
  - If due to non-intimation or late intimation by the respective institute, the fellowship is released to the PDF awardee by PhD Cell, DIC then it will be the responsibility of the institute to recover that amount paid to the awardee in excess & beyond eligibility. PhD Cell, DIC in its sole discretion may decide to recover it from the amount due to be paid to the institute under other budget heads of the scheme.
  - Close the accounts, in the event of drop out or tenure completion, with all required formalities including submission of Utilization Certificates (UCs), Statement of Accounts (SoA), completion report and other required documents.

Signature and Seal of Nodal Officer

Signature and Seal of Head of the Institution

*Susheel Mittal*  
14.8.25



- Return unspent balances with interest, if any.

#### 4. Review and Monitoring

Performance will be periodically reviewed by the PhD Cell via:

- Reports
- Expert visits
- Workshops and interactions
- Any other methods as deemed appropriate by the PhD Cell

#### 5. Discontinuation and Termination

5.1 If any fellow wishes to discontinue the fellowship, the institution should inform PhD Cell, DIC; MeitY immediately. One month's notice is to be given by the institution before the date of discontinuation.

5.2 The implementing institution (host institution) should not incur any expenditure under the award from the date of termination of the award/project or the date of resignation of the fellow. The institution will be responsible for the submission of work report and other requisite documents.

5.3 In case the post-doctoral fellow undertakes any full/part-time assignment, his/her PDF award under the scheme would be discontinued.

5.4 PhD Cell, DIC; MeitY reserves the right to hold/ stop/ discontinue the fellowship at any stage, if

- Appropriate progress is not being made.
- The grant is not being utilized properly.
- Reports/responses/details etc. are not submitted timely and in the prescribed format or directions of PhD Cell are not followed.
- Violation/ Non-compliance of guidelines.
- Any other reason, which is deemed appropriate by PhD Cell, DIC, MeitY

5.5 In cases of dropouts or termination of PDF awards:

- The institution must **cease further expenditure**
- Close the accounts with all required formalities including submission of Utilization
- Certificates (UCs), Statement of Accounts (SoA), completion report and other required documents.
- Return unspent balances with interest, if any.

Note: There is **no provision to replace or transfer** an awardee.

#### 6. Acceptance and Declaration

- Email a **scanned signed copy** to: phd-scheme@digitalindia.gov.in
- Send the **original signed copy** to:

**Sh. Sandeep Bansal**  
In-Charge, PhD Cell  
Room No. 2084, Electronics Niketan  
6, CGO Complex, Lodhi Road  
New Delhi – 110003

Signature and Seal of Nodal Officer

Signature and Seal of Head of the Institution

*Sandeep Mittal*  
14.8.25

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7. Other Important Points:

- The institution may design/have its own application form for advertisement of PDF; however, the guidelines for PDF are to be followed.
- Just fulfilling the minimum eligibility criteria should not entitle a candidate to be selected.
- PhD Cell, DIC; MeitY may change the T&C at its discretion, if deemed necessary.

**Declaration**

We have read and agree to abide by these Terms & Conditions, including any updates.

Signature and Seal

Name of the Nodal Officer

Name of the Institution

Date

Signature and Seal

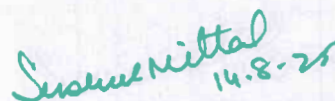
Name of the Head of the Institution

Name of the Institution

Date



Signature and Seal of Nodal Officer



Susheel Mittal  
14.8.21

Signature and Seal of Head of the Institution





## Standard Operating Procedure (SOP) for Post Doctoral Fellowship (PDF) Awardee and Host Institution

### 1. Onboarding and Reporting

The host institution must ensure timely selection of the awardees (within the timelines as specified by PhD Cell) against the allotted seats, following the scheme guidelines and their timely reporting to the PhD Cell, Digital India Corporation (DIC), MeitY, for registration under the scheme.

1.1 Awardees not registered under the scheme will not be eligible for support.

1.2 The institution must notify the PhD Cell immediately about any dropouts or termination of PDF awardees.

### 2. Progress and Research Reporting

During registration under the scheme, the awardees need to submit proposals including specific timelines, deliverables, etc. Subsequently, the PDF awardees must submit monthly progress reports in the format specified by the PhD Cell. They must also update the PhD Cell on any publications, patents, start-ups, or other outputs resulting from their research.

Institutions are required to ensure timely and accurate submission of these reports.

### 3. Financial Support

3.1 The fellowship amount of ₹1,08,393/- per month will be transferred directly to the PDF awardee's bank account. Contingency Grant of ₹1.00 lakh per year will be calculated on a pro-rata basis (e.g. ₹0.25 lakh per quarter).

3.2 In case of non-performance, non-compliance with the scheme's guidelines, absence, leaves, etc. or other reasons, affecting the Fellowship amount or resulting into Fellowship stoppage of any PDF awardee at any point of time, the institution shall intimate PhD Cell, DIC regarding the same immediately through email to PhD Cell. The institution needs to secure receipts of such intimation by PhD Cell, DIC well in advance as the fellowship would be released by DIC, as soon as possible, once the fellowship becomes due.

3.3 In absence of such intimation, PhD Cell, DIC will continue to transfer the fellowship directly to the PDF awardee every month of a financial year.

3.4 If due to non-intimation or late intimation by the respective institute, the fellowship is released to the PDF awardee by PhD Cell, DIC then it will be the responsibility of the institute to recover that amount paid to the candidate in excess & beyond eligibility. PhD Cell, DIC in its sole discretion may decide to recover it from the amount due to be paid to the institute under other budget heads of the scheme.

3.5 The awardee must submit a detailed proposal with planned expenditure from Contingency budget head, in the prescribed format. Reimbursements may also be considered, subject to expenditure, per scheme guidelines. Expenditure beyond pro-rata eligibility will not be considered.

Signature and Seal of Nodal Officer

Signature and Seal of Head of the Institution

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3.6 The host institution must submit Utilization Certificates (UCs), Statement of Accounts (SoAs), and Statement of Expenditure (SoEs) along with requests for the next quarter's fund release. Unspent balances and interest, if any, must be refunded to the PhD Cell.

#### 4. Completion and Exit Formalities

Upon completion of the fellowship, the institution must submit a final completion report and all requisite documents. The format for the final report will be shared by the PhD Cell.

#### 5. Compliance and Termination

5.1 Both the institution and the PDF awardee are required to adhere to the scheme guidelines and instructions, issued periodically by the PhD Cell.

5.2 The PhD Cell reserves the right to hold, stop, or terminate support for the PDF award at any stage due to reasons including, but not limited to, inadequate progress, non-compliance with guidelines, or any other reason deemed appropriate.

#### 6. Acceptance and Declaration

- Email a **scanned signed copy** to: phd-scheme@digitalindia.gov.in
- Send the **original signed copy** to:

**Sh. Sandeep Bansal**  
In-Charge, PhD Cell  
Room No. 2084, Electronics Niketan  
6, CGO Complex, Lodhi Road  
New Delhi – 110003

#### Declaration

We have read and agree to abide by these SoPs, including any updates.

Signature and Seal

Name of the Nodal Officer

Name of the Institution


Date

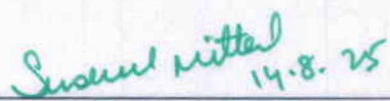
Signature and Seal

Name of the Head of the Institution

Name of the Institution

Date

  
Signature and Seal of Nodal Officer

  
Signature and Seal of Head of the Institution

Subject: Application for the Post-Doctoral Fellow (PDF) Position against advt no. 2025/08/02

<b>Title of Project:</b>			
1	Post Applied for		Paste here a recent passport size photograph
2	Name of the Candidate (BLOCKLETTER)		
3	Father's Name (BLOCKLETTER)		
4	Mother's Name (BLOCKLETTER)		
5	Date of Birth: (DD/MM/YYYY)		Sign
6	Sex (Male/Female/Other)		
7	Marital Status (Married/Single)		
8	Category (SC/ST/OBCIPWD/GEN)		
9	Previous Research experience: (use additional sheet if required)		
10	Publication(s), If any: (use additional sheet if required)		
11	Patent (Granted in proposed research area).		
12	Any project completed / on-going in industry. (with outcome of the project)		
13	GATE/ NET: Score		
14	Rank		
15	Specialization		
16	Academic Qualification: (Starting from Standard 10 or equivalent Examination)		

Name of the Exam Passed	Name of the School / College / Institute / University	Year of Passing	Discipline / Specialization	Percentage of Marks/ CGPA
17	Address for Communication: (BLOCKLETTER)			
18	Permanent Address: (BLOCKLETTER)			
19	Contact No. (Mobile)			
20	E-mail ID			
21	Contact Details of two referees			
	Referee I		Referee II	
	Name			
	Designation			
	Organization			
	Office Address			
	Office Phone Number			
	Email ID			

22	Areas of Expertise
23	Experience details in industry / Research in the proposed area of the research

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature of the candidate