

Information Brochure

PhD Admissions

Academic Session 2018-19



National Institute of Technology Hamirpur

Hamirpur (HP) – 177 005

<http://www.nith.ac.in>

1. Preamble

Located in Hamirpur district of Himachal Pradesh, NIT Hamirpur enjoys a really scenic environment and pleasant weather. Established in the year 1986, as REC Hamirpur, NIT Hamirpur has been declared as the Institute of National Importance under the Act of Parliament, 2007.

At present, NIT Hamirpur offers four years B.Tech. degree in Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Chemical Engineering and Material Science & Engineering, and a five years B.Arch degree. The Institute has also introduced five years Dual Degree leading to Bachelor and Master of Technology in Computer Science & Engineering and Electronics & Communication Engineering. The Institute also offers M.Tech./M.Arch./M.Sc./MBA programmes with various specializations.

In 2006, Ph.D. programme was started in all disciplines of engineering, sciences and humanities. Since then many candidates have been registered for pursuing their Ph.D. in this Institute. Thus, NIT Hamirpur is making all efforts to move ahead towards the national goal of producing more and more number of quality postgraduates and doctorates, who can join as faculty members in various institutions throughout the country.

This Admission Notice is to invite online applications for Ph.D. admissions (Full Time/Part Time) in Engineering, Sciences, Management and Humanities

2. Categories of Ph.D. Programmes

The Institute admits Ph.D. candidates in following categories of Ph.D. programmes:

SNo	Programme Category	Category Code
A	Full Time with Institutional Fellowship	FTIF
B	Full Time Sponsored	FTS
C	Part Time Sponsored	PTS

A. Full Time with Institutional Fellowship (FTIF)

Candidates under this category are entitled for fellowship from the Institute.

B. Full Time Sponsored (FTS)

This category includes:

- (a) **Candidates Without Institutional Fellowship:** These candidates are employees of a PSU, a Government department, a R&D organization/lab, a recognized private industry of repute, an educational institution, a defense sponsored officer or admitted under an MoU, and receive financial support from their employer. Such a candidate must be sponsored by his/her employer and must have been in employment with the sponsoring organization for at least two years on 30.06.2018. They must be relieved from the organization for full time research work at NIT Hamirpur and must furnish Sponsorship Certificate alongwith No Objection Certificate from the employer.
- (b) **Candidates with Fellowship from Other Funding Agencies:** These candidates receive fellowship from agencies such as UGC, CSIR, DST-INSPIRE, etc. They shall not receive any financial support from the Institution in any form.

- (c) **Candidates under Visvesvaraya Scheme of MeitY:** Such candidate if admitted in Department of Computer Science & Engineering, will be entitled for scholarship funded by Ministry of Electronics and Information Technology (MeitY) under Visvesvaraya Ph.D. Scheme.
- (d) **Candidates with MNRE Fellowship:** These candidates will be entitled for fellowship from Ministry of New and Renewable Energy (MNRE) if admitted in Ph.D. at Centre for Energy and Environment Engineering.

C. Part Time Sponsored (PTS)

This includes:

- **Institute Faculty/Staff/Project Staff:** This category refers to candidates who are employees of the Institute or who are working on various projects undertaken by the Institute. They are expected to work for their Ph.D. programme after fulfilling their normal duties.
- **Sponsored Off Campus Candidates:** A candidate working in an R&D establishment or in other institution/organization equipped with the necessary research and library facilities, may be considered for Ph.D. admission. Such a candidate must be sponsored by his/her employer and must have been in employment with the sponsoring organization for at least two years on 30.06.2018. The employer must explicitly undertake to relieve him/her to stay on the NIT Hamirpur campus to enable the candidate to complete the course work as per the requirement of NIT Hamirpur. A candidate applying for admission must provide detailed information about the research facilities available at his/her organization and a certificate from the employer that these would be available to him/her for carrying out research. The candidate must furnish Sponsorship Certificate from the employer. Such Ph.D. student, after completion of residential requirement (completion of course work and minimum stay in the campus as per the requirement of Institute), may be allowed to join his/her parent organization as Part Time student where he/she will be doing research work while serving the parent organization.
- **Candidates under Visvesvaraya Scheme of MeitY:** Such candidate if admitted in Department of Computer Science & Engineering Department and Department of Electronics & Communication Engineering, will be entitled for benefits initiated under Visvesvaraya PhD Scheme by Ministry of Electronics and Information Technology (MeitY).

3. Departments/Centres Offering Ph.D. Admissions

The Ph.D. programmes shall be offered in the following Departments/Centres in various areas of research specialization:

SNo	Department/Centre	Area of Research
1.	Architecture	Architecture, Planning
2.	Civil Engineering	Water Resources, Environment Engineering, Remote Sensing, Geotechnical Engineering & Geology, Structural & Transportation Engineering
3.	Computer Science & Engineering	Networking, Artificial Intelligence, Information Security
4.	Electronics & Communication Engineering	Communication and Networks, VLSI Design, RF

		and Microwave
5.	Electrical Engineering	Power System, Signal Processing & Control, Instrumentation, Power Electronics & Drives, High Voltage Engineering
6.	Mechanical Engineering	Design, Thermal, Production & Industrial
7.	Chemical Engineering	Computational Fluid Dynamics, Electrochemical Engineering, Biochemical & Bioprocess Engineering
8.	Centre for Energy & Environment Engineering	Solar Thermal & Solar Photovoltaic, Bio-Energy & Bio Fuel, Environmental Engineering
9.	Centre for Material Science & Engineering	Polymer Matrix Composites/Nanocomposites, Physical/Mechanical Metallurgy, Functional Oxide Materials (Ceramic/Thin Films/Nanoparticles)
10.	Chemistry	Organic Chemistry, Inorganic Chemistry, Physical Chemistry
11.	Physics	Condensed Matter Physics, Nuclear Physics, High Energy Physics
12.	Mathematics	Pure Mathematics, Applied Mathematics, Statistics
13.	Management & Humanities	Management, Economics, English

The number of seats available in the Institute depends on the number of available research guides in the Institute, vacancies available with the guide and research infrastructure in the concerned Department/Centre. The admission of candidates to Ph.D. programme depends on the expertise available in a Department/Centre and the willingness of the candidate to work in the corresponding research areas. The reservations will be as per the reservation policy of the Govt. of India.

4. Eligibility for Admission

Ph.D. in Engineering/Architecture (including Centres)

The applicant must have a Master Degree in Engineering /Technology/Architecture in appropriate discipline with CGPI of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree. Whereas in case of SC/ST candidates a CGPI of 6.0 on a 10-point scale (or equivalent) or 55% marks in qualifying degree will be applicable.

Note: In addition to the above eligibility criteria, candidates for MNRE fellowship will be considered only through valid GATE score (in civil engineering, chemical engineering, electrical engineering, electronics & communication engineering, mechanical engineering) or CSIR-JRF qualified score.

Ph.D. in Sciences

The applicant must have a Master Degree in relevant science subject with CGPI of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree. Whereas in case of SC/ST candidates a CGPI of 6.0 on a 10-point scale (or equivalent) or 55% marks in qualifying degree will be applicable. Further, candidate with valid GATE Score/NET Qualification will only be considered and such candidate will be admitted against the category (Open/OBC/SC/ST) in which he/she has acquired valid

GATE Score/NET Qualification.

Ph.D. in Management & Humanities

The applicant must have a Master Degree in Management/Economics/English with CGPI of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree. Whereas in case of SC/ST candidates a CGPI of 6.0 on a 10-point scale (or equivalent) or 55% marks in qualifying degree will be applicable. Further, candidate with valid NET Qualification will only be considered and such candidate will be admitted against the category (Open/OBC/SC/ST) in which he/she has acquired valid NET Qualification.

5. Application Procedure

- The applicants are required to submit their Ph.D. application only through online system available at link **Ph.D. Admissions** on Institute website <http://www.nith.ac.in/>. No other means of application shall be allowed.
- Application fee of ₹1200 for Open/OBC and ₹600 for SC/ST is to be paid online through SBI Collect (<https://www.onlinesbi.com/sbicollect>). If an applicant is applying for more than one department/centre, he/she has to pay separate fee alongwith each application.
- Before starting the online filling process, the candidates must have soft copy of passport size photograph and scanned copy of signature (both in JPEG format) and must have paid application fee online through SBI Collect.

6. Admission Procedure

All eligible applicants will be called for online screening test and may report for screening test with the condition that candidates have themselves ascertained their eligibility as per the Information Brochure. Institute will verify eligibility only at the time of interview or date of document verification.

The admission process for Ph.D. programme shall be in two stages:

Stage-I: The online screening test in the relevant discipline has been scheduled on 24.07.2018 at 9.00AM onwards. The syllabi for the test will be as per GATE/NET examination in the respective subjects. The test shall be of 90 minutes duration for 60 marks consisting of multiple choice questions in the relevant discipline. The minimum qualifying marks for appearing in Stage-II will be 50% in the screening test.

The candidates who are having valid JRF certificates from the funding agencies of Govt. of India such as UGC, CSIR, DST-INSPIRE, etc. and are willing to join NIT Hamirpur as full time Ph.D. candidates are exempted from the screening test and will directly qualify to Stage-II.

Stage-II: The candidates who qualify to Stage-II shall appear for interview and presentation on 25.07.2018 at 9.00AM before the duly constituted Departmental Selection Committee (DSC) of respective Department/Centre. The presentation should be brief and clear (around 5-10 minutes) highlighting the basic idea of proposed research. The presentation must broadly include:

- *The topic/subject of the proposed research work.*
- *An outline containing introduction to the subject, international/national importance, broad*

objectives, scope and methodology of research work with relevant literature review.

- On approval by the Chairman, Senate, the Head of the Department/Centre will issue the admission letters to the selected candidates, who will be required to accept the offer of admission by depositing the prescribed fee and submission of required documents/certificates upto 01.08.2018 (5:00PM).
- Candidates who are still pursuing qualifying degree for eligibility are required to appear for thesis viva-voce examination before the date of online screening test i.e. on/before 23.07.2018 and are required to produce course completion certificate from head of the institution last attended at the time of interview/presentation. Such candidates will be provisionally admitted and are required to produce the provisional degree certificate by 15.09.2018. The admission shall only be confirmed on production of all relevant documents/certificates and fulfilling the eligibility criteria listed in Section 4 of this Information Brochure, failing which the admission shall automatically stand cancelled.
- In case, a candidate does not pay the prescribed fee by the specified deadline, the offer of admission may stand withdrawn.
- The selected candidates will have to register on or before 01.08.2018 (5:00PM) for the course work in consultation with the Supervisor/Convener DPGC/HoD as the case may be.

7. Documents Required

The candidates are required to produce the following documents in original as well as one self attested set of photocopy thereof at the time of admission on 25.07.2018.

SNo	Details of Documents/Certificates
1.	Application Form Generated Through Online Submission
2.	Photo ID Proof
3.	Four Number of Colored Photographs
4.	Valid GATE/NET Certificate (if applicable)
5.	Mark Sheet/Certificate of Class X (High School)
6.	Mark Sheet of Class XII
7.	Grade/Mark Sheets of Qualifying Degrees for All Semesters
8.	Degree/Provisional Certificate
9.	Course Completion Certificate (in case the Degree is not Awarded)
10.	No Objection Certificate from current employer (for sponsored candidates)
11.	Sponsorship Certificate from current employer (for sponsored candidates)
12.	Proof of payment of fee through online mode (SBI Collect)
13.	Valid Category Certificate (OBC/SC/ST) [OBC-NCL Certificate must be issued on or after April 1, 2018]
14.	Undertaking in Required Format (for OBC-NCL Candidates Only)
15.	Certificate of Persons with Disability (for PwD Candidates Only)

In addition to the above documents/certificates, the selected candidate must also submit the following documents/certificates:

SNo	Details of Documents/Certificates
16.	Migration Certificate (Original)
17.	Conduct/Character Certificate from Head of Institution Last Attended
18.	Medical Fitness Certificate issued by the Medical Officer, NIT Hamirpur Health Centre or any Government Civil Hospital (Original)

19.	An Undertaking by the Student - Institutional (Original)	
20.	Affidavits	
21.	i.	Affidavit (on stamp paper of ₹10 denomination) for giving reason for study gap (if any) duly signed by Oath Commissioner/ Notary Public/Executive Magistrate (Original)
	ii.	An Affidavit by the Student [Anti-ragging Measures at http://www.antiragging.in/] (Original)
	iii.	An Affidavit by Parent/Guardian [Anti-ragging Measures at http://www.antiragging.in/] (Original)
Note: The hostellers have to produce two sets of above affidavits, out of which one will be submitted to the Hostel Authorities.		

8. Fee Structure

The selected candidates have to deposit the semester fee as per following details:

Programme	Fee structure (₹)		Remarks
	Hosteller	Day scholar	
Ph.D. (Full Time)	31400+25900 [#]	31400	[#] The security is to be deposited by all hostlers in respective hostel. Hostel accommodation shall be provided subject to the availability.
Ph.D. (Part Time)	16950+25900 [#]	16950	
Ph.D. (NIT Faculty/ Staff/Project Staff)	5600+25900 [#]	5600	

Once the candidate has accepted the admission offer by paying the requisite Institution fee, thereafter he/she will be governed by Institute refund policy. If a student is removed or he/she withdraws/leaves the Institute after admission without completing the entire programme, all fee paid including the security deposit will be forfeited by the Institute.

9. Important Dates (Tentative)

Start of online application process	04.07.2018
Closing date of online application	16.07.2018 (upto midnight)
Display of list of candidates for online screening test	18.07.2018
Online screening test at NIT Hamirpur and display of result of qualified candidates	24.07.2018
Interview/presentation of the candidates in respective Department/Centres who qualify to Stage-II	25.07.2018
Declaration of result and issue of Ph.D. Admission Letter	30.07.2018
Registration and fee deposit by selected candidates	01.08.2018 (upto 5.00PM)
Display of list of waitlisted candidates by respective Head of Department/Centre on Institute Website (subject to vacancy)	03.08.2018 (upto 5.00PM)
Registration and fee deposit by waitlisted candidates	05.08.2018 (upto 5.00PM)

Dean (Academic)
NIT Hamirpur (HP)

Important Notes:

1. Separate application forms must be filled for programmes offered by different Departments/Centres alongwith prescribed fee.
2. The candidate should solemnly and sincerely affirm that the statement made and information furnished by him/her in the application form is true and correct and no information has been concealed. However, if later on any information furnished is found to be fraudulent, incorrect or untrue, he/she would be liable to criminal prosecution and he/she has to forego his/her seat.
3. All declarations/results will be displayed on Institute website (<http://www.nith.ac.in/>) only. No separate letter/email/intimation will be issued.
4. Selected candidate, who has completed all the pre-requisite examinations including thesis viva-voce before the date of screening test, but is unable to produce the certificate in proof of having passed and secured the minimum specified qualifying marks/grade, may be considered for provisional admission. However, if admitted provisionally, they have to produce all the required documents/certificates by 15.09.2018, failing which the admission shall stand automatically cancelled.
5. If any candidate fails to submit the required documents by 15.09.2018, his/her provisional admission/registration in Ph.D. programme shall stand automatically cancelled.
6. All dates mentioned above are tentative and subject to change at any stage by the competent authority.
7. All the candidates interested in seeking admission are advised to visit the Institute website (<http://www.nith.ac.in/>) regularly for updates.
8. All Ph.D. admitted candidates at NIT Hamirpur will be governed by the rules and regulations mentioned in PG Manual and/or decided by the competent authority from time to time.
9. All matters of dispute will be subjected to legal jurisdiction of the courts at Hamirpur/Shimla only.

Annexures

Important Phone Numbers

Departments/Centres		
Department/Centre	Office (01972)	Head of Department (01972)
Civil Engineering	254301	254300/254340
Computer Science & Engineering	254401	254400/254424
Electrical Engineering	254501	254500/254530
Electronics & Communication Engineering	254601	254600/254630
Mechanical Engineering	254702	254700/254724
Chemical Engineering	254102	254726
Architecture	254901	254914/254900
Energy & Environment Engineering	254701	254728
Material Science & Engineering	254380	254382
Physics	254110	254136
Chemistry	254102	254156
Mathematics	254101	254108
Management & Humanities	254101/254102	254132
Academic Section		
Dealing Assistant		254018
Assistant Registrar		254575
Associate Dean (Admissions)		254430
Dean (Academic)		254006

Guidelines for Payment of Ph.D. Application Fee Through SBI Collect

1. Goto **www.onlinesbi.com** and select option **State Bank Collect**
2. Accept terms & conditions and **Proceed** further
3. Select State of Corporate/Institute: **Himachal Pradesh** and Type of Corporate/Institute: **Educational Institute**
4. Select Educational Institute Name: **NIT Hamirpur** and click on **Submit**
5. Select Payment Gateway **Ph.D. Entrance Exam Fees Only** and fill the details to proceed further

Note: Print the Receipt for further record.

CERTIFICATE FROM THE HEAD OF THE SPONSORING ORGANIZATION

(Applicable for Sponsored Candidates seeking registration in Ph.D. programme - Full Time)

Shri/Ms _____ who is serving as _____ in this Industry/Organization/Institute, is hereby sponsored for Ph.D. (Full Time) programme in (Name of the Branch/Department/ Centre) _____ for the academic session 2018-19. In case of his/her selection for the course he/she will be relieved for the complete duration of course.

The details of the organization and the candidate are as under:

Type of Organization (Govt./ Private etc.) :
Name of Organization :
Present Post :
Pay scale of present post :
Work Experience : Years Months
Working Since :

Date		Month		Year			

Date: **Signature** :

Name :

Designation :

Seal **Office** :

CERTIFICATE FROM THE HEAD OF THE SPONSORING ORGANIZATION

(Applicable for Sponsored Candidates seeking registration in Ph.D. programme - Part-time)

Shri/Ms _____ who is serving as _____ in this Industry/Organization/Institute, is hereby sponsored for Ph.D. (Part-time/Off Campus) programme in (Name of the Branch/Department/Centre) _____ for the academic session 2018-19. In case of his/her selection for the course he/she will be relieved to stay on the campus to enable the candidate to complete the **Course Work, Comprehensive Examination, State of the Art Seminar or any other requirement** as per the academic norms of NIT Hamirpur. It is further stated that facilities are available at this Industry/Organization/Institute to carryout the research by the above said candidate and these facilities shall be made available to him/her during his/her Ph.D.

The details of the organization and the candidate are as under:

Type of Organization (Govt./ Private etc.) :
Name of Organization :
Present Post :
Pay scale of present post :
Work Experience : Years Months
Working Since :

Date		Month		Year		

Date: _____ **Signature** :
Name :
Designation :
Seal _____ **Office** :

OBC Undertaking

Declaration / undertaking - for OBC Candidates only

I, _____ son/daughter of Shri _____ resident of village/town/city _____ district _____ State hereby declare that I belong to the _____ community which is recognised as a backward class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.) dated 9/3/2004. I also declare that the condition of status/annual income for creamy layer of my parents/guardian is within prescribed limits as on financial year ending on March 31, 2018.

Place:

Signature of the Candidate*

Date:

****Declaration/undertaking not signed by Candidate will be rejected***

OBC Certificate Format**FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR APPOINTMENT TO POSTS / ADMISSION TO CENTRAL EDUCATIONAL INSTITUTES (CEIs), UNDER THE GOVERNMENT OF INDIA****"This certificate MUST have been issued on or after 1st April 2018."**

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri/Smt. _____
of Village/Town _____ District/Division _____ in the _____
State belongs to the _____ Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution No. 12016/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.
- (xvi) Resolution No. 12015/2/2007-BCC dated 18/08/2010.
- (xvii) Resolution No. 12015/2/2007-BCC dated 11/10/2010.
- (xviii) Resolution No. 12015/13/2010-BC-II dated 08/12/2011.
- (xix) Resolution No. 12015/05/2011-BC-II dated 17/02/2014.
- (xx) Resolution No. 12011/6/2014-BC-II dated 07/12/2016.

Shri/Smt./Kum. _____ and/or his family ordinarily reside(s) in the _____ District/Division of
_____ State. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in
Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93
which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004.

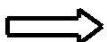
Dated:

District Magistrate/ Deputy
Commissioner, etc.

Seal

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / First Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar and
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.



OBC Certificate issued from Maharashtra State must be validated by social welfare Department of Maharashtra Government