

# राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर

हमीरपुर (हि.प्र.) — 177 005 (भारत)

[ भारत सरकार शिक्षा मंत्रालय के तहत एक राष्ट्रीय महत्व का संस्थान ]

**NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR**

**HAMIRPUR (H.P.) - 177 005 (INDIA)**

[An Institute of National Importance under Ministry of Education (Shiksha Mantralaya)]

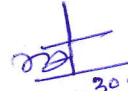
## **OFFICE OF FI (TRAINING & PLACEMENT)}**

### **Summer Training/Internship Opportunities for External students @ NIT Hamirpur (H.P)**

National Institute of Technology Hamirpur invites applications from the students studying in IITs/NITs/State Technical Universities/Other CFTIs, to do Summer Training/Internship in the different Departments/Centers of institute. There are various projects under which the candidates can apply. The applicant must submit a brief proposal on the project area under which he/she intends to do internship/training in NIT Hamirpur (H.P). For more details, please go through the relevant **Guidelines available on institute website**. The candidate can fill the **"UG Training/Internship Request Form"** along with **"Undertaking Form"** and mail it to Training and Placement office, NIT Hamirpur at [tpo@nith.ac.in](mailto:tpo@nith.ac.in).

The candidates can also apply for Training/Internship in the Departments/Centers which are not mentioned in the list. If the facility/faculty will be available in the area proposed by candidate (other than mentioned in the list of projects or Department/Center), the recommended candidates will be permitted to do training/internship in that Department/Center of NIT Hamirpur (H.P). All the interested students can apply on or before 18/04/2022. The mode of internship, whether off-line/on-line, shall be decided by the Department after selection of the candidates.

For more details, contact 01972-254591/254590 and [tpo@nith.ac.in](mailto:tpo@nith.ac.in).

  
30.03.2022  
Faculty Incharge (Training & Placement)

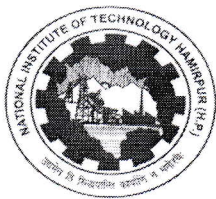
NIT Hamirpur (HP)

सहाय प्रभारी (शिक्षण एवं नियुक्ति)

Faculty Incharge (Training & Placement)

राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर ( हि.प्र. )

National Institute of Technology Hamirpur (H.P.)



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## OFFICE OF FI (TRAINING & PLACEMENT)}

### LIST OF PROJECTS FOR SUMMER TRAINING/INTERNSHIP DURING JUNE-JULY, 2022 AT NIT HAMIRPUR (For External Students)

DEPARTMENT	FACULTY	PROJECTS
Department of Chemistry	Dr. Jai Prakash	1) Metal oxide based photo catalysts nanomaterials 2) Carbon nanomaterials based photo catalysts 3) Plasmonic nanomaterials and their applications
Department of Material Science	Dr. Vishal Singh	1) Synthesis and characterization of Au/PANI Nano composites for detection of arsenic (As) ions 2) Synthesis and characterization of PANI-Ag-Au Nano composites 3) Synthesis and characterization of PANI@GO/Ag Nano composites for Detection of cadmium (Cd) ions
Department of Mathematics & Scientific Computing	Dr. Nidhi Gupta	1) Deep learning approach for tumor segmentation from medical images/COVID-19 data analysis 2) Line segmentation and character recognition from handwritten unconstrained images 3) Number plate detection and verification of licensed vehicles in dark scenario using deep learning architecture * Major domain includes Digital Image Processing, Deep Learning, Artificial Intelligence, Machine Learning, Pattern Recognition, and Computer Vision
Department of Computer Science and Engineering	Dr. Nitin Gupta	1) Blockchain implementation on Hyperledger for Pharmaceutical supply chain (Strong Mathematical Background required) 2) Federated Learning for routing in Opportunistic Network (Knowledge of JAVA, PyTorch etc. required)
	Dr. Rajeev Kumar	ICT in Healthcare
	Dr Pardeep Singh	Project Related to:- NLP, Empirical Linguistics, Information Retrieval, Text Summerisation, Social media analysis, Artificial Intelligence
	Dr. Naveen Chauhan	Project Related to:- Mobile Wireless Networks, Vehicular Ad hoc Networks, Internet of Things

	<b>Dr. Siddhartha Chauhan</b>	<b>Project Related to:- WSN, IoT</b>
<b>Department of Civil Engineering</b>	<b>Dr. Vimal Kumar</b>	<b>Finite Element Analysis of Structural Elements Under Static and/or Dynamic Loading</b>
<b>Department of Chemical</b>	<b>Dr. Radhe Shyam</b>	<b>1) CFD Study of Non- Newtonian Fluids in Roughened Circular Cylinder in a Channel</b> <b>2) Biodiesel production from waste oil</b>
	<b>Dr. Arvind Kumar Gautam</b>	<b>1) Preparation and characterization of Carbon Nanotubes (CNTs)</b> <b>2) Computational predication of phase coexistence in supercooled liquids</b>

The candidates can also apply in the Department/Centre/project which is not mentioned in the list. If the facility/faculty will be available in the willing area (other than mentioned in the list of projects or department/center), the recommended candidates will be permitted to do internship in that department/center of NIT Hamirpur (H.P).