

Internship Opportunities @ NIT Hamirpur (H.P)

National Institute of Technology Hamirpur invites applications from the students studying in IITs/NITs/State Technical Universities/Other CFTIs, etc. to carry out summer Training/Internship tentatively between May to July, 2023 of Academic Session 2022-23 in different Departments/Centers of NIT Hamirpur (H.P.). 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 regarding fee etc, please go through the relevant Guidelines available on institute website. The candidate can fill the "Training/Internship Request Form (Annexure-III)" along with "Undertaking Form (Annexure-IV)" and upload them to the Google form link given below:


Google form link: <https://forms.gle/VD6Lfx9RBA6G2HE46>

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 17/04/2023. The mode of internship, whether off-line/on-line, shall be decided by the Department after selection of the candidates as per available facilities and interest of prospective mentors.

The list of selected students shall be displayed on the Institute website by the end of April, 2023.

For more details, contact on: 01972-254591/254590; Mail id: tpo@nith.ac.in

NIT/HMR/TPO/24 Dated: 03.04.2023


संकाय प्रभार (प्रशिक्षण एवं नियुक्ति)
Faculty Incharge (Training & Placement)
राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर (हि.प्र.)
National Institute of Technology, Hamirpur (H.P.)

LIST OF PROJECTS FOR SUMMER TRAINING/INTERNSHIP, 2023 @ NIT

Name of the Dept.	Name of the Faculty Member	Project Detail/Area of Interest
Civil Engineering	Dr.K.Nallasivam	1) Dynamic analysis of railway steel plate girder bridge/truss girder bridge/composite /box girder bridge with track system due to railway train vehicle by finite element techniques
		2) Dynamic analysis of tall structure like electrical tower with cable/telecom tower/light post/chimney/wind mill /hyperbolic cooling tower due to wind and seismic load by finite element techniques
		3) Dynamic analysis of machine foundation due to time varying operating force by finite element techniques
		4) Dynamic Response of Concrete (Arch/ Straight) Gravity Dam Including Dam-Water Reservoir-Foundation Rock Interaction under Hydro-Dynamic and Seismic Loading
		5) Dynamic analysis of cable stayed/Suspension bridge due to vehicle, wind and earth quake load by finite element techniques
		6) Dynamic analysis of rigid concrete pavement due to highway / air line vehicle, temperature warping and earth quake load by finite element techniques
		7) Dynamic analysis of highway T-beam deck slab bridge /slab bridge/ masonry arch bridge due to vehicle load by finite element techniques
		8) Dynamic analysis of storage structure like elevated water tank/cooling tower/ swimming pool/silo/ bunker/retaining wall due to storage load , wind and seismic load by finite element techniques
		9) Dynamic analysis of ocean off shore structure due to hydrodynamic and earth quake T-Sunami , wind load by finite element techniques
		10) Static and dynamic analysis and design of house building/ industrial building due to various load by finite element techniques
		11) Dynamic analysis of Offshore jacket structure due to time varying operating force by finite element techniques
		12) Dynamic analysis of Railway sub-Track System subjected High speed Train Vehicle Load by finite element techniques
	Dr. Ray Singh Meena	1. Water Distribution Modelling using MIKE+ in NIT Hamirpur Campus
		2. Hydrological Simulation of the Beas River Basin using the MIKE-SHE Model in Changing Climate.
3. Surface Water Mapping using Google Earth Engine (GEE).		
4. Land Use Land Cover Classification using Google Earth Engine (GEE).		

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Name of the Dept.	Name of the Faculty Member	Project Detail/Area of Interest
Material Science & Engineering	Dr. Vishal Singh	1. Synthesis and Characterization of Nanofluids. 2. Synthesis and Characterization of PVA-MWCNTs Nanocomposites for Detection of Mercury Ions. 3. Thin Film Fabrication of PVA/ZnO Nanocomposites For Solar Cell Applications. 4. Synthesis of Fluorescent Chemo-Sensor Composed of PVA-Carbon Dots for Detection of Heavy Metal Ions. 5. Synthesis and Characterization of PANI-MWCNT Nanocomposites and Application as Strain Sensors.
Computer Science & Engineering	Nitin Gupta	Energy Efficient IoT Networks
	Pardeep Singh	Text Mining
	Arun Kumar Yadav	Legal Document Text Classification
	Jyoti Srivastava	Machine Translation, Text Summarization, Question Answering system
	Mohit Kumar	Hate Speech Identification, False information identification in tweets/comments/news/reviews
Chemical Engineering	Dr. Arvind Kumar Gautam	Experimental and Computational Study of Nanomaterials and Nanocomposites
		Phase Transformation study on supercooled liquids
		Preparation of Fragrance by extraction of Essential Oil
	Dr. Radhe Shyam	Removal of Heavy Metals from Water using Natural Adsorbents
		Heat Transfer Enhancement study from Corrugated Tube Heat Exchange
Department of Chemistry	Dr. Raj Kaushal	Metallodrugs as antidiabetic agents
	Dr. Jai Prakash	Hydrothermal Synthesis of nanomaterials
		Semiconductor hybrid Photocatalysts
Mechanical Engineering	Dr. Rajesh Sharma	1. Study and Investigation on the performance of hydrodynamic bearings. 2. Impact of surface textures on the sliding behaviour of the mechanical components.
	Dr. Rajiv Kumar Sharma	1. Implementation of ISO-9000 based Quality Management System (QMS) in an Organization. 2. Six Sigma implementation in industries.
	Dr. Varun	1. CFD study on roughened duct. 2. Battery thermal Management system. 3. Oxygenated fuels used in Diesel Engines
	Dr. Mohit Pant	1. Thermoelastic Fracture Analysis of FGM Coated Machine Components using Finite Element Method

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Name of the Dept.	Name of the Faculty Member	Project Detail/Area of Interest
Electronics and Communication	Dr. Rakesh Sharma	Satellite data classification using deep learning networks
	Dr. Amit Bage	1. Metamaterial Sensor for possible virus Detection 2. Reconfigurable Microwave Filter

Note:- All interested candidates are required to apply on the below given google form link along with required documents.

Google form link: <https://forms.gle/VD6LfX9RBA6G2HE46>