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, to do external students during the even semester (Jan to May) session 2022-23 at NIT Hamirpur (H.P) 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 **"Training/Internship Request Form(Annexure-III)"** along with **"Undertaking Form(Annexure-IV)"** and mail it to Training and Placement office, NIT Hamirpur at 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 19/12/2022. 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.

For more details, contact 01972-254591/254590 and tpo@nith.ac.in.

06.12.2022

Faculty Incharge (Training & Placement)
NIT Hamirpur (HP)

LIST OF PROJECTS FOR WINTER TRAINING/INTERNSHIP DURING 2022 AT NIT HAMIRPUR		
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 buildingdue 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. Chander Prakash	Application of Machine learning/Deep learning in cryospheric studies.
		Multi-Hazard analysis of the mountainous region.
		Mobile app and web application development for hazard mapping and warning.

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Electrical Engineering	Dr. Veena Sharma	General Impact of Covid-19 and subsequent usage of IoT.
	Er. Bharti Koul	To Study and Design the Optimal Sized Roof-Top Solar PV Panel system for Domestic Loads in Low Voltage Pockets of H.P.
	Dr R K Jarial	1. Design & Analysis of a Solid State Transformer 2. IOT Applications in 132 KV Sub Stations for Safeguard against failure of Transformer
	Dr. B. B. Sharma	Modeling and Control Aspects of Quadcopter.
Architecture	Prof. Bhanu M. Marwaha	Low Cost Housing.
		Impact of Information and Communication Technologies on the Built Environment.
	Dr. Venu Shree	Assessment of Indoor Built Environment to Maintain Healthy and Comfortable Habitable Area.
Computer Science & Engineering	Nitin Gupta	Blockchain/AI for Wireless Networks
	Sangeeta Sharma	Application of ML and FL in Cloud and Edge Computing
	Rajeev Kumar	Security issues in IoT Health care.
	Nagendra Pratap Singh	Mental Health issues and early stage predation
	Jyoti Srivastava	Text Summarization, Machine Translation
	Mohit Kumar	Fake Reviews classification, Hate speech detection

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/MNJjJ9zz6DmsX4Au5