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 Summer Training/Internship in the different departments/centers of institute. The preference shall be given to the students from top 100 NIRF ranked institutes/Universities in India. 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.

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 willing area (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 29/03/2021. The mode of internship, whether off-line/on-line, shall be decided after selection of the candidates.

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

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

LIST OF PROJECTS FOR SUMMER TRAINING/INTERNSHIP DURING 2021 AT NIT HAMIRPUR

DEPARTMENT	FACULTY	PROJECTS
Civil Engineering	Dr. Pardeep Kumar	1. FiniteElement Analysis of concrete/Masonry Stuctures. 2. Meso-scale modeling of concrete.
	Dr. R.S Banshtu	1. Land slide Hazard 2. Ground water 3. Disaster Management
	Dr. Vijay Kr. Bansal	1. Applications of GIS in Construction
	Dr. Mamta Awasthi	1. Vermin composition
	Dr. Umesh Pandey	1. Analyses and Design of Bridge for earthquake. 2. Multi storied building Analyses & Design on STAAD-PRO 3. Design of shear walls for multistoried buildings.
	Dr. Chander Prakash	1. Glacier and Glacier related Hazard 2. Solid waste Mangement. 3. Landslide hazard analysis.
	Dr. K.Nallasivam	1. Dynamic analysis of railway steel plate girder bridge with track girder bridge/composite box girder bridge with track system due to railway train vehicle by finite element techniques. 2. Dynamic analysis of all structure like electrical tower with cable /telecom tower/light post/chimney/wind mill due to wind and seismic load by finite element techniques. 3. Dynamic analysis of dam due to hydrodynamic and earth quake load by final element technique. 4. Dynamic analysis of machine foundation due to time varying operating force by finite element techniques. 5. Dynamic analysis of cable stayed 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 wraping 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 by finite element techniques.
	Dr. Joy Pal (Assistant Professor)	1. Health monitoring of Steel frame structures
	Dr. Joseph Tripura	1. Flood flow forecasting in a river system
	Dr. Manendra Singh(Assistant Professor)	1. Liquefaction study of Delhi Metro Tunnels. 2. Stability of shallow foundations on hill slope

	Dr. Ray Singh Meena	1. Hydrological Modeling
	Dr. Jitendra Singh Yadev	1. Foundation on Frozen Soils
	Dr. Vimal Kumar	1. Performance of Structural Members against high rate of loading
Department Of Chemistry	Dr. Jai Prakash (Assistant Professor)	1. Hydrothermal synthesis of nanostructures 2. Hybrid nanostructures for photocatalytic applications 3. Hybrid nanostructures for SERS applications
Department Of Chemical Eng.	Dr. Tapas Palai	1. Development of adsorbent for heavy metal removal from wastewater.
	Dr. Arvind Kumar Gautam	1. Preparation and synthesization of nanomaterials. 2. Development of short NPT/NVT programming code for thermodynamic system. 3. Fragrance preparation and characterization.
	Dr. Radhe Shyam	1. Removal of arsenic from water using natural adsorbents. 2. Heat transfer study of corrugated tube heat echangers.
Department of Mathematics & Scientific Computing	Dr. Nidhi Gupta (Assitant Professor)	1. Tumor Segmentation from Medical Images. 2. Line Segmentation from Handwritten Unconstrained Images. 3. Number Plate Detection and Verification of Licensed Vehicles in Dark Scenario.
Department of Electrical Engineering	Amit Kaul	1. Development of contactless biometric recognition system. 2. Development of non-invasive anomaly detection system
	Bharti Koul	1. Deviation Settlement Mechanism in Indian Electricity Grid. 2. Demand response and its influence in Smart Grids

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