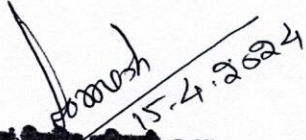


**LIST OF PROJECTS FOR SUMMER TRAINING/INTERNSHIP DURING 2024 AT NIT HAMIRPUR**

Project Titles			
Sr No.	Department	Project Title	Name of Faculty Mentor
1	Electrical Engineering	DC Microgrid Control	Dr. Chandrasekaran S.
		Load-frequency control in Microgrid	Dr. Chandrasekaran S.
		Control of Networked Systems	Dr. Bharat Bhusan Sharma
		Modelling and Simulation of Proton Exchange Membrane Fuel Cell based Hybrid Energy System	Dr Upasana Sharma
2	Chemical Engineering	Gas Explosion dynamics using Novel solver PDRFOAM	Manish Kumar Dhiman
		Waste to value: CFD Modelling of biomass/Plastic particles in a horizontal or vertical set up	
		1- D Kinetic Modelling to design novel reactors	
3	Computer Science & Engineering Department	Wireless Sensor Network	Dr. Siddhartha Chauhan
		IoT	
		Image Processing	
		AI	
		Machine Learning	
		Emotion Recognition	Dr. Arun Kumar yadav
		Text Classification	
		Text Summarization	
		Sensor Data Fusion in Internet of Things	Dr Robin Singh Bhadoria
		Optimizing deep learning Model of Estimation and Prediction	Dr. Mohit Kumar
Identification of Tweet/Comment/News			
4	Electronics and Communication Engineering Department	Adiabatic logic design analysis	Dr. Ashwani Rana
		Nano device for sensing application	Dr. Amit Bage
		Design and Analysis of Reconfigurable Waveguide Filter	
		Design and Analysis of MIMO antenna for Sub 6 GHz	
5	Chemistry	Design and development of sensors	Dr. Kalyan S Ghosh
		Medicinal Chemistry	Dr. Raj Kaushal
		Photophysics of Biomolecules	Dr. Jagannath Kuchlyan
6	Physics and Photonic Science	Exclusive diffractive vector meson production in proton-proton(p-p) ultraperipheral collisions(UPCs) at LHC	Dr. Neetika

*Romesh*  
15.4.2024

		2D-3D based heterojunctions for solar hydrogen production	Dr. Nisha Kodan
		BSM Phenomenology of the Higgs Sector at the LHC	Dr. Biswaranjan Das
7	Architecture	Sustainable Built Indoor Environment	Dr. Venu Shree
		Disaster risk Management of heritage buildings	Dr. Amanjeet Kaur
8	Mechanical Engineering	1. Thermal Management of Photovoltaic Thermal system	Dr. Prashant Kumar, Associate Professor & HOD
		2. Design of Solar Thermal System for Steam Generation.	
		1. Heat Transfer study on artificially roughened duct.	Dr. Varun Goel, Associate Professor
		2. Thermal management System.	
		3. Oxygenated fuels used in Diesel Engines.	
		1. Design & Analysis of Auxetic Smart Structures.	Dr. Anshul Sharma, Assistant Professor
		2. Modelling & Analysis of Lower Limb Exoskeleton using Generative Design.	
		1. Computer Integrated Manufacturing.	Dr. Somesh Kumar Sharma Associate Professor (Training & Placement Officer)
		2. Defense & Aviation Systems.	
3. Total Quality Management			

  
 15-4-2024  
 Training & Placement Officer  
 NIT Hamirpur  
 राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर (हि.प्र.)  
 National Institute of Technology Hamirpur (H.P.)



{OFFICE OF TRAINING & PLACEMENT}

UNDERTAKING

I, \_\_\_\_\_ S/O/D/O \_\_\_\_\_ pursuing \_\_\_\_\_ (course name) from \_\_\_\_\_ (Institute/University), wish to undertake training/internship at \_\_\_\_\_ (Department) of National Institute of Technology, Hamirpur (H.P.) from \_\_\_\_\_ to \_\_\_\_\_.

1. I undertake that I will be governed by the rules and regulations of the Institute and will be under administrative control of the Institute for the duration of the internship.
2. I will utilize the basic infrastructure, Department Laboratory and other resources of Institute with all responsibilities at my cost and only with the permission of concerned Head of Department.
3. Any damage caused to Institute property from my end will lead to the termination of my Training/ Internship and will bereimbursed by me.
4. I will make own arrangements for accommodation and local transport. NIT Hamirpur will not be responsible for injury, if any, caused during the course of my Training/Internship.

(Signature of Trainee with name ):

Address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: .....

**Signature of Head of Institute/Deptt.**

Seal of the Institution: \_\_\_\_\_  
(With Name and Address)

\*\*\*\*\*

Office Use:

The candidate has reported to the department on.....

Mr/Ms.....is assigned Trainee/Intern No: .....

**Training Coordinator**

**Signature of HOD (with seal)**  
(The record to be maintained in Department)

(Name of Deptt..... )



**UG Training/ Internship Request Form**  
(For External Students only)

**1. Particulars of Applicant**

Name: \_\_\_\_\_  
Father's Name: \_\_\_\_\_  
D.O.B. of Candidate: \_\_\_\_\_  
Name of Branch at UG/PG Level \_\_\_\_\_  
Name of parent college/Institute \_\_\_\_\_

**Correspondence Address:**

**Permanent Address:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Paste your  
self-attested  
good quality  
photo here

Phone No \_\_\_\_\_

Mobile No. \_\_\_\_\_

E-mail : \_\_\_\_\_

**2. Qualifications (10+2 onwards till current stage) (Proof to be attached )**

Sr. No.	Class/Year/Semester	Institute/University	Academic Year Completed	Percentage/Grade upto last semester appeared
1				
2				
3				
4				

**3. Name of the Department/Centre where Training/Internship is to be undertaken: \_\_\_\_\_**

- Whether Applying under projects floated by the department:
- If yes, Name of project: \_\_\_\_\_
- If No, then areas/domain of interest \_\_\_\_\_

**4. Tentative time duration of Training/ Internship from \_\_\_\_\_ to \_\_\_\_\_ .No. of Weeks:.....**

**5. Whether Hostel required :Yes/No**  
(Subject to availability of accommodation)

**6. Name of specific equipment/software required for training (if any) \_\_\_\_\_**

**7. Name of Faculty mentor if consent was taken earlier: \_\_\_\_\_**  
(Proof to be attached)

I shall abide by all rules & regulations of NIT Hamirpur (HP) during my stay in the Institute.

Signature of Candidate with date

Recommended/ Not-Recommended

Signature of HOD (with seal)  
(The record to be maintained in Department)

Training Coordinator

(Name of Deptt ..... )