

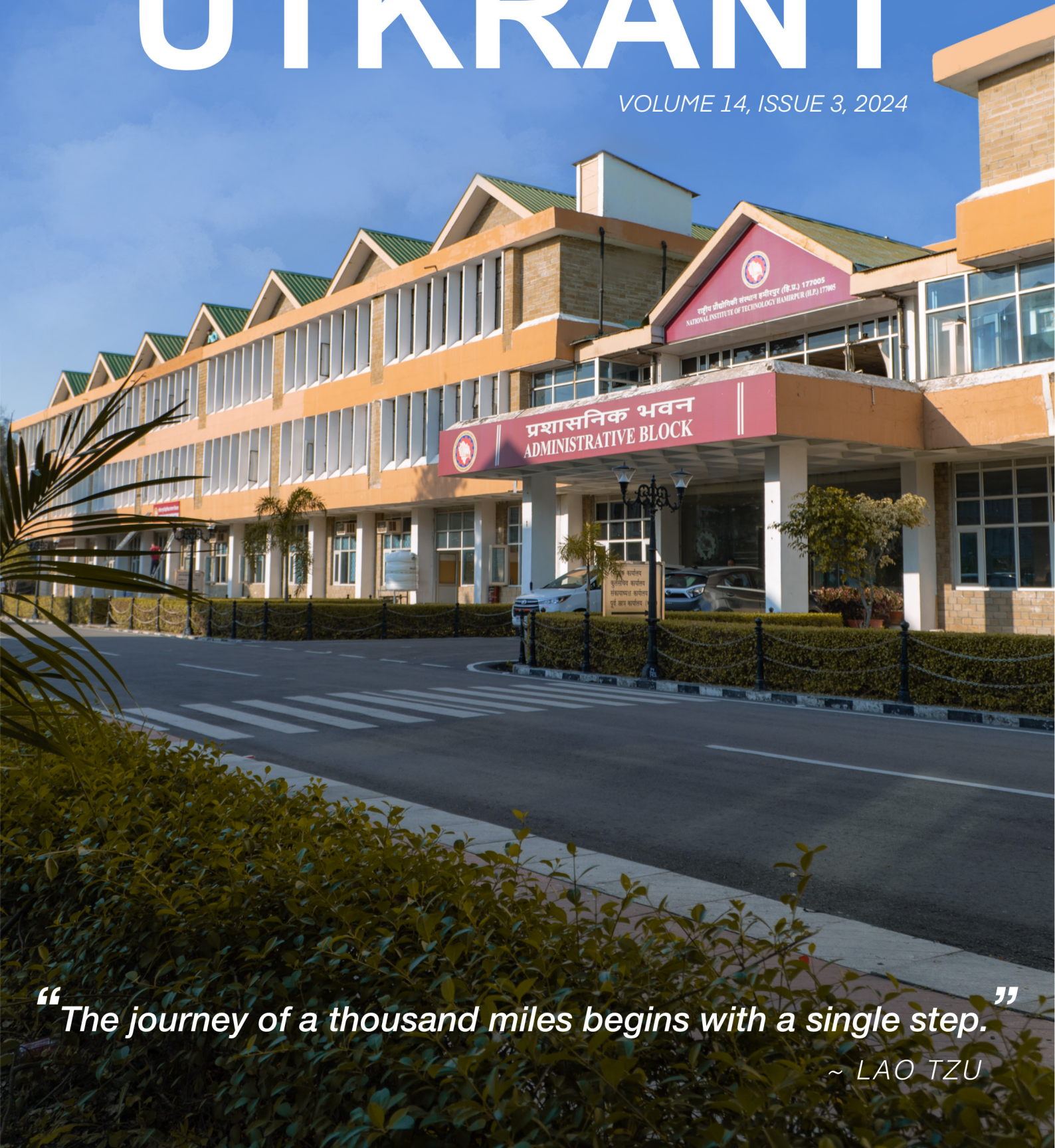


राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर
NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR

INSTITUTE NEWSLETTER

UTKRANT

VOLUME 14, ISSUE 3, 2024



“The journey of a thousand miles begins with a single step.”

~ LAO TZU

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Message from Director

Welcome to **Utkrant**, where the quills of ambition script the chronicles of student triumph!

It is with great pride that I present **Utkrant**, a reflection of the vibrant and ever-evolving spirit of NIT Hamirpur. This platform offers a glimpse into the pulse of our institution, where the aspirations of our students, faculty, and staff converge in a shared pursuit of excellence and progress.

At NIT Hamirpur, we have always embraced the pursuit of knowledge with passion and purpose, standing as a beacon of innovation in an environment where curiosity blossoms and creativity thrives. We celebrate the remarkable achievements that define us—milestones that not only reflect our commitment to academic rigor but also demonstrate our drive to make meaningful contributions to society. Our vibrant community fosters individuality alongside collaboration, allowing students to embark on transformative journeys that transcend the conventional educational experience. The campus buzzes with creativity and intellectual curiosity, where diverse ideas and perspectives intersect, giving rise to groundbreaking projects and initiatives. Here, every student's unique contributions enrich the fabric of our institution, shaping a future filled with promise and opportunity.

NIT Hamirpur's recent recognition in the **Diamond Category** by the Indian National Academy of Engineering underscores our collective pursuit of excellence. This prestigious accolade reflects not only the academic rigor and innovative spirit of our institution but also our commitment to shaping the future of engineering education and research.

From engaging in lively debates in the classrooms to collaborating on cutting-edge research in state-of-the-art laboratories, our students actively shape their identities as forward-thinking problem solvers. They participate in workshops, seminars, and cultural events that celebrate diversity and promote inclusivity, fostering an environment where



every voice is heard and valued. As students pursue their passions and explore their interests, they cultivate a strong sense of belonging and purpose. The spirit of inquiry and collaboration permeates every corner of our institution, creating a unique identity that defines NIT Hamirpur—a place where innovation thrives, ideas blossom, and every individual has the opportunity to leave a lasting impact on the world.

This edition of *Utkrant* is more than a collection of accomplishments; it is a testament to the collective spirit of our community. From pioneering research to sustainable initiatives and collaborative projects, every story speaks of dedication, perseverance, and vision.

As we continue this journey, may we remain committed to nurturing a culture of innovation, inclusivity, and excellence. Together, we will build a future that is not only bright but deeply meaningful.

DR. H.M. SURYAWANSHI, DIRECTOR

Faculty Accomplishments:

PHD Completed:

Sr no.	Title of Thesis	Supervision Status/ [Supervisor/ Co-supervisor(.)]
1.	"Machine Learning-based Health Monitoring of Joints in Steel Frame Structures"	Dr. Vimal Kumar/ Dr. Joy Pal
2.	"A Novel resilient and responsive pharmaceutical supply chain through Blockchain and Artificial Intelligence"	Dr Nitin Gupta/ Dr. C. Jatoth (NIT Raipur)
3.	"Problems on Onset of Convection and Heat Transfer in the Nanofluid Suspensions"	Prof. Y.D. Sharma/ Dr. O.P. Yadav
4.	"A Novel Resilient and Responsive Pharmaceutical Supply Chain through Blockchain and Artificial Intelligence"	Dr. Nitin Gupta/ Dr. Chandrashekar Jatoth
5.	"Design and Investigation of Tunnel FET for Low Power-Based Circuit Applications"	Dr. Dharmendra Singh Yadav
6.	"Geotechnical Characterization of Bentonite mixed with Nano Additives and Cement"	Dr. R.K. Dutta/ Dr. J.S Yadav
7.	"A Developmental Model for City Core Case; Sagar (M.P.)"	Dr. Puneet Sharma

8.	"Synthesis and modification of photocatalytic nanomaterials for wastewater treatment"	Dr. Jai Prakash
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R&D Projects:

Sr no.	Title of R&D project/patent	Name of funding agency and amount	Name of PI (Department), Name of Co-PI (Department)	Present Status of Project [Completed/ Ongoing]
1.	Real time cyberbullying detection for Koo and Twitter using Machine Learning and Deep Learning methods.	UP-CST, Rs. 13.08 Lakhs	Dr Mohit Kumar Co-PI, CSE	Ongoing
2.	A Deep Learning based System for Potato Crops Leaf Disease Detection	UP-CST, Rs. 13.08 Lakhs	Dr Arun Kumar Yadav Co-PI, CSE	Ongoing
3.	Study of the different types/ varieties and performance parameters of flexible polyvinyl chloride flooring manufactured and /or available in Indian market	BIS	Dr. Minakshi Jain DoArch.	Ongoing
4.	Information Security Education and Awareness (ISEA) project phase-III	Meity	Dr. T. P. Sharma DoCSE	Ongoing

Journal Papers:

Sr no.	Title of the paper	Journal Status [SCI/ Scopus/ Web of SC]	Authorship Name of Author/ Co-author(.)]
1.	"Modal analysis of rigid pavement resting on two-parameter soil foundation model using finite element framework", World Journal of Engineering, Vol. 21 No. 4, pp. 793-806, 2024), https://doi.org/10.1108/WJE-11-2022-0461 .	Scopus (Emerald)	Khair UI Faisal Wani and Nallasivam K
2.	"Effective Location of Shear Walls in High-Rise RCC Buildings Subjected to Lateral Loads", Civil Engineering Infrastructures Journal, 57(1), pp 101-115, (2024), Doi: 10.22059/CEIJ.2023.350020.1879	Scopus (University of Tehran)	Kashyap Shukla and Nallasivam.K
3.	"Response of railway sub-track system subjected to railway trains loading by finite element technique", (2024), 9(34), pp.1-19, (2024),	SCIE, Scopus (Springer)	Ashutosh Ranjan and Nallasivam.K
4.	"Free Vibration Analysis of Airfield Runway Rigid Pavement by Finite Element Technique" , Innovative Infrastructure Solutions, 9(127), pp.1-20, (2024), https://doi.org/10.1007/s41062-024-01443-3	SCIE, Scopus (Springer)	Mohd Ibrar and Nallasivam.K
5.	"After-sales service and brand reputation: A case of kitchen appliance industry"	ABDC-B, WoS	Nasir, M., Rajkumari, Y., & Mohd. Adil

6.	"Lattice-based ring signcryption scheme for smart healthcare management"	Web of SC	Sourav, Rifaqat Ali
7.	"Modal Analysis of a Coupled Ballastless Railway Track Surrounding a Horse Shoe Shape Shield Tunnel Linked to a Box-Girder Bridge with Substructure Using Finite Element Method, Innovative Infrastructure Solutions",9(211),pp.1-23,(2024), https://doi.org/10.1007/s41062-024-01519-0 .	SCIE, Scopus	Aniket Chaudhary and Nallasivam.K
8.	"Static and Free Vibration Analysis of Rigid Pavement Based On Winkler and Pasternak Foundation,Structural Integrity & Life,24(1),pp. 49–60,(2024).	Scopus (Society for Structural Integrity and Life and IMS Institute,Serbia)	Khair Ul Faisa I Wani and K.Nallasivam
9.	"The Free Vibration Characteristics of aConcrete Arch Gravity Dam Using Finite Element Technique",Civil Engineering Infrastructures Journal. (2024).	Scopus (University of Tehran)	Sougata Mukherjee and K. Nallasivam
10.	"Prediction of the free vibration characteristics of liquid-storage elevated tanks using finite element techniques",Asian Journal of Civil Engineering, (2024), https://doi.org/10.1007/s42107-024-01090-0 .	SCIE, Scopus (Springer)	Mitresh Kaul and K.Nallasivam
11.	"Impact of inconsistent viscosity on the stability of a rotating layer o couple stress fluid"	SCI	Shalu Choudhary, Amit Mahajan and Sunil

12.	"Dynamic Response of Double Deck Cable-Stayed Bridge Subjected to Train Load on Lower Deck",Journal of Vibration Engineering & Technologies,(2024).	SCIE, Scopus (Springer)	Saket Kumar and Nallasivam .K
13.	"Finite Element Algorithm for Rigid Pavement Resting on Pasternak Elastic Foundation Model under Aircraft Loading",World Journal of Engineering,(2024), https://doi.org/10.1108/WJE-08-2023-0285 .	Scopus (Emerald)	Khair Ul Faisal Wani and Nallasivam K
14.	"Non-Structural Slope Stabilization Using Biopolymers. Journal of Mining and Environment", 10.22044/jme.2024.14596.2752	Scopus	Singh et al.
15.	"A numerical study on effect of liquefaction on ring footings during 2001 Bhuj earthquake at Kutch (Gujarat), India". Discover Civil Engineering I (I), 9, 2024.	Scopus	Singh M, Singh S and Shakya R
16.	"Liquefaction susceptibility and re-liquefaction potential of the liquefied soil site caused due to Mw 5.7 Tripura earthquake"	SCI/SCIE, Scopus	Mog K, Anbazhagan P
17.	"Ultrasensitive detection of emerging water contaminants using surface enhanced Raman scattering technique: Recent advancement, challenges, and future prospects, current Opinion in Environmental Science and Health", 39 (2024) 100552	Scopus	Jai Prakash

18.	"A comprehensive review on health monitoring of joints in steel structures. Smart Materials and Structures (2024)." DOI 10.1088/1361-665X/ad5504	SCI	Naresh, Maloth, Vimal Kumar, Joy Pal, Shirsendu Sikdar, Sauvik Banerjee, & Pradipta Banerji
19.	"A Novel Federated Learning Approach for Routing Optimization in Opportunistic IoT Networks", accepted in International Journal of Sensor Networks, Inderscience.	SCI	Moulik Bhardwaj, Jagdeep Singh, Nitin Gupta, Kuldeep Jadon and Sanjay K. Dhurandher
20.	"Semantic proximity assessment in Bhojpuri and Maithili: a word embedding perspective, "Social Network Analysis and Mining", Vol 14(130).	SCI	Arun Kumar Yadav, Abhishek Kumar, Mohit Kumar, Divakar Yadav
21.	"Sentiment classification in Hindi text using hybrid deep learning method, "International Journal of Information Technology", Vol 14(1) Page 1-12.	Scopus	Ashish Dhiman, Arun Kumar Yadav, Mohit Kumar, Divakar Yadav, Akash Verma
22.	"Seeing through the mystique surrounding the task-technology-consumer fit: A multi-method exploration of banking conversational agents' adoption"	ABDC-A, WoS	Parthiban, E.S. & Mohd. Adil
23.	"Nitrogen Containing Heterocyclic Chalcone Hybrids and Their Biological Potential (A Review)", Russian Journal of General Chemistry, Vol. 94, No. 7, pp. 1794–1814. DOI: 10.1134/S1070363224070235	SCI/Scopus	Jyoti Sharma and Raj Kaushal

24.	“Artificial Intelligence (AI) Capabilities and the R&D Performance of Organizations: The Moderating Role of Environmental Dynamism”	Scopus and SoS	Vinod Kumar , Sachin Kumar , Sheshadri Chatterjee and Marcello Mariani
25.	“Microbial Electrosynthesis of Valuable Chemicals from the Reduction of CO ₂ : A Review, Environmental Science and Pollution Research” 31, 36591–36614 (2024).	SCI	D Suri, LM Aeshala, T Palai
26.	“Amine-functionalized Polymer Membrane for the Electrochemical Reduction of CO ₂ to Hydrocarbons, Sustainable Energy & Fuels” 8, 4230-4242, 2024	SCI	A Kumar, LM Aeshala, T Palai,
27.	“Examining the Nexus Between Technostress and Turnover Intention: The Moderating Influence of PsyCap in Information Management Contexts”	SCI	Coauthor
28.	“Mapping business ethics and society: A systematic journey into research and way forward”	Scopus, SSCI and WoS	Vinod Kumar, Sachin Kumar, Ranjan Chaudhuri, Sheshadri Chatterjee, Demetris Vrontis
29.	“Ne+B3:D7w exploration on the existence and null controllability of fractional Hilfer stochastic systems driven by Poisson jumps and fractional Brownian motion with non-instantaneous impulse”	Web of SC	Vandana Yadav, Ramesh Kumar Vats, Ankit Kumar

30.	"Investigation of methane gas bubble dynamics and hydrate film growth during hydrate formation using 4-D time-lapse synchrotron X-ray computed tomography"		Shadman H. Khan, Sourav Kumar Sahoo, Ismael Himar Falcon-Suarez, Hector Marin-Moreno, Hanif Sutiyoso, B. N. Madhusudhan, C. B. Majumder, Amit Arora and Angus I. Best
31.	"The generalized Stieltjes–Poisson transform over Lebesgue spaces and distributions of compact support"	Web of SC	Jeetendra Singh Maan, ER Negrín
32.	"CO2 to Fuel: Role of Polymer Electrolytes on Efficiency and Selectivity Carbon Capture Science & Technology, 13, 2024"	Scopus	S Akhter, T Palai, LM Aeshala, AM Kannan
33.	"Cassia fistula seeds as a natural Coagulant for turbidity reduction: Efficacy and optimization via Central Composite Design"	Biomass Conversion and Biorefinery	Akanksha Thakur, Virender Shivay, Surjit Singh Katoch, Amit Arora, Alok Garg
34.	"Techno-economic assessment of photovoltaics by predicting daily global solar radiations using hybrid ANN-PSO model". Energy Syst (2024), Springer	ESCI & Scopus	Mughal, S.N. Sood, Y.R. Jarial, R.K.
35.	"Graphene Oxide as Novel Visible Light Active Photocatalyst: Synthesis, Modification by Nitrogen and Boron Doping, and Photocatalytic Application" Phys. Status Solidi A (2024) 2400169	SCI/Scopus	Samriti, Sahil Thakur, Abhijeet Ojha, Rajeev Gupta, Mikhael Bechelany, A.Yu. Kuznetsov, Hendrik C. Swart, and Jai Prakash

36.	"Influence of magnetic fields and bounding surface configurations on thermal convection in partially-ionized plasmas: Nonlinear and linear stability analyses"	SCI	Vishal Chandel and Sunil
37.	"Effects of variable gravity on stability in couple-stress fluids across various conducting boundaries"	SCI	Shalu Choudhary, Reeta Devi, Amit Mahajan and Sunil
38.	"Stability of couple-stress fluid saturating a porous layer heated and salted from below and rotating about vertical axis"	SCI	Shalu Choudhary, Shivani, Reeta Devi, Amit Mahajan, Sunil and Manoj Sharma
39.	Numerical study of nonlinear time-fractional Caudrey–Dodd–Gibbon–Sawada–Kotera equation arising in propagation of waves	Web of SC	Anjali Rao, Ramesh Kumar Vats, Sanjeev Yadav
40.	"Approximate controllability of neutral Hilfer fractional differential equations of Sobolev-type in a Hilbert Space"	Web of SC	Kamal Jeet, Ankit Kumar, Ramesh Kumar Vats
41.	"Analysis of axisymmetric thermoelastic diffusive half-space with variable material properties using hyperbolic two-temperature model"	Web of SC	Ankit Bajpai, PK Sharma, Krishna C Mishra
42.	"Standalone Highly Efficient Graphene Oxide as an Emerging Visible Light-Driven Photocatalyst and Recyclable Adsorbent for the Sustainable Removal of Organic Pollutants", ACS, Langmuire, Aug 2024	SCI/Scopus	Sahil Thakur, Ayush Badoni, Samriti Pratibha Sharma, Abhijeet Ojha, Hendrik C. Swart, Andrej Yu Kuznetsov, Jai Prakash

43.	"IoV-6G+: A secure blockchain-based data collection and sharing framework for Internet of vehicles in 6G-assisted environment."	Web of SC	Vipin Kumar, Rifaqat Ali, Pawan Kumar Sharma
44.	"Higher order Galerkin finite element method for (1+ 2)-dimensional generalized Benjamin–Bona–Mahony–Burgers equation: A numerical investigation"	Web of SC	Anisha Devi, Om Prakash Yadav
45.	"Blockchain-enabled authentication framework for Maritime Transportation System empowered by 6G-IoT"	Web of SC	Neeraj Kumar, Rifaqat Ali
46.	"Eco-friendly synthesis of amino and carboxyl-functionalized silica nanoparticles for enhanced adsorption of water pollutants, Hybrid Advances"		Pratibha Sharma, Jai Prakash, Raj Kaushal
47.	"Eco-Friendly Synthesis of Amino and Carboxyl-Functionalized Silica Nanoparticles for Enhanced Adsorption of Water Pollutants, Hybrid Advances, https://doi.org/10.1016/j.hybadv.2024.100209 ."	SCI/Scopus	Jyoti Sharma and Raj Kaushal
48.	"Applications of functionalized carbon-based quantum dots in fluorescence sensing of iron(III)" J. Fluores(2024)1-18	SCI/Scopus	Sushma, Sharma, S., Ghosh, K.S.
49.	"Optimal power flow approaches for a hybrid system using metaheuristic technique: a comprehensive review"	Scopus	Abhishek Saini and O. P. Rahi

50.	"A Comprehensive Review on Stochastic Optimal Power Flow Problems and Solution Methodologies", published in IETE Technical Review, Vol. 41, No.2, 2024, pp.147-174 IF:2.5	SCIE & Scopus	Ankur Maheshwari, Yog Raj Sood, Supriya Jaiswal
51.	"Current Based Hybrid Protection Scheme Using Signal Processing Techniques for Utility Network with High Renewable Energy Generation"	Scopus	A. Kumar, H. Sharma and Ram Niwash Mahia
52.	"Social welfare maximization in deregulated power market incorporating wind power plants using metaheuristic algorithm." Wind Engineering. 2024;48(2):257-274.	Scopus	Raturi AS Jarial RK, Sood YR, Maheshwari A Jaiswal S
53.	"Isolation Based Reduced Switch 9-level High Gain Multilevel Inverter, IEEE Transaction on Industrial Electronics" (accepted in Aug 2024)	SCI	D. Tiwari, Abhishek K Singh, NB Choudhary, Jiwanjot Singh
54.	"Inverse Artificial Neural Network Assisted Rapid Multiband Antenna Design for Multiple Custom Requirements," Arabian Journal for Science and Engineering, 2024. DOI: https://doi.org/10.1007/s13369-023-08639-2	SCIE	Deepanshu Kaushal and Rajeevan Chandel
55.	"Softflatten-Net: A Deep Convolutional Neural Network Design for Monkeypox Classification from Digital Skin Lesions Images," in IEEE Sensors Journal, doi: 10.1109/JSEN.2024.3445286.	SCIE	S. H. Karaddi, L. D. Sharma and A. Bhattacharya,

56.	“Electrical characterization and performance analysis of coaxial through-glass vias,” Sādhanā, Springer Nature, Indian Academy of Sciences, vol. 49, no. 44, pp. 1-5, 2024. DOI: https://doi.org/10.1007/s12046-023-02392-w	SCIE	Vandana Boora, Ajay Kumar, Madhukiran K., Rajeevan Chandel, and Rohit Dhiman
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Awards:

Sr no.	Name of faculty	Name of Organisation	Date	Award	Other details
1.	Dr Jai Prakash	French Insititute in India	28th June 2024	Scientific High Level Visiting Fellowships award (SSHN-2024)	
2.	Prof. Rajeevan Chandel & Paksham Mahajan	Dr. B.R.A. NIT Jalandhar, Punjab, India		Best Paper Award	3rd International Conference on Computational Electronics for Wireless Communications (ICWC)

Conference Papers:

Sr no.	Title of the paper	Conference Status [SCI/ Scopus/ Web of SC]	Authorship Name of Author/ Co-author(.)]
1.	"ID Ground Response Analysis of Panki Pond Ash Deposit using Experimentally Derived Layer-wise Properties". Accepted in 8th ICORAGEE		Ankur Maheshwari Yog Raj Sood Supriya Jaiswal
2.	"Landslide Susceptibility and Environmental Impact on National Highway 244 in Jammu & Kashmir, India"	Internationally Renowned	A. Kumar, H. Sharma and Ram Niwash Mahia
3.	"Mitigating IoT Security Risks:Enhanced Ransomware Attack Classification" in 5th IEEE India Council International Subsections Conference INDISCON, PEC Chandigarh, 22-24 Aug, 2024.	Scopus	Vaibhav Kumar, Kuldeep Singh Jadon and Nitin Gupta
4.	"GIS-based methodology for assessing population vulnerability to hazmat accidents: ammonia release simulation and hazard analysis." Proc. of int. conf. on Sustainable Infrastructure: Innovations, Opportunities and Challenges" (SIIOC 2024), 30th April to 1st May 2024, NITK Surathkal, India.		Verma, N., and Bansal, V. K.
5.	"Comprehensive study on road traffic accident of Kullu district: analyzing hotspots using both temporal and spatial statistical techniques in GIS.Proc. of int. conf. on Sustainable Infrastructure: Innovations, Opportunities and Challenges" (SIIOC 2024), 30th April to 1st May 2024, NITK Surathkal, India.	SCIE	Kumar, M., and Bansal, V. K.

6.	"Power Quality event detection using DWT and Fuzzy Logic"	Scopus	Rishabh Kumar, O. P. Rahi, and Supriya Jaswal
7.	"Optimal Power Flow Solution Based on Multi-verse Optimizer Algorithm Incorporating Renewable Energy Sources," 2024 IEEE 4th International Conference in Power Engineering Applications (ICPEA 2024), Penang Island, Malaysia.	IEEE	Yog Raj Sood, Ankur Maheshwari Supriya Jaiswal
8.	"Modelling and Simulation of Green Electric Vehicle Charging Station using MATLAB," 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), MANIT Bhopal, India,	IEEE	A. Sharma, Y. R. Sood and S. Jaiswal,
9.	"Simulation Based Analysis of Microgrid using Green Energy Resources," 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), MANIT Bhopal, India.	IEEE	S. Thakur and Y. R. Sood
10.	"Optimal Location of Distributed Generation for Loss Minimization by Application of Machine Learning," 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), Bhopal, India, 2024, pp. 1-4	IEEE	R. Verma and Y. R. Sood

11.	"Hybrid Energy System Simulation and Modelling Incorporating Wind and Solar Power", 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS) MANIT Bhopal.	IEEE	Atul Kumar, Y. R. Sood and R. N. Mahia
12.	"Fast Heuristic Based Distribution Network Reconfiguration with Distributed Generations"	Scopus	Tushar Sharma and Sushil Chauhan
13.	"Power Systems Resilience Enhancement through Renewable Energy Integration: Insights and Future Directions," 2024 IEEE 4th International Conference in Power Engineering Applications (ICPEA 2024), Penang Island, Malaysia	IEEE	Amit Kumar, Yog Raj Sood and Ankur Maheshwari
14.	"Enhanced Low-Voltage Ride-Through Capability of Grid-Interfaced Three Phase Solar PV Power Plant," in 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad India	IEEE	A. Kumar Singh, D. Kumar Tiwari, N. Behari Dev Choudhury, and J. Singh
15.	"PV Battery Assisted ANN-MPC Controlled SRM Motor Drive for Electric Vehicle Application", in 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad, India	IEEE	A. Kumar Singh, D. Kumar Tiwari, N. Behari Dev Choudhury, and J. Singh
16.	"Fault-detection analysis technique of pack U-cell boost multilevel inverter," in 2024 IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Hyderabad, India	IEEE	H. Phukan, J. Singh, Awadh Pati, and R. Ganji

17.	"CMOs design trade offs in monolithic 3D ICs"	Scopus	Asif Rais, Gagnesh Kumar
18.	"Sparse Identification and M.P.C. Based Closed Loop Control of Nonlinear Quadruple Tank Process", 5th International Conference for Emerging Technology (INCET), May 24, 2024 - May 26, 2024, Belgaum, Karnataka, India, pp. 1-6.	Scopus	Aman Thakur, Bharat Bhushan Sharma and Vivek Sharma
19.	"Evaluation and Optimization of GAA-CNTFET Performance for High-K Dielectric Materials"	Scopus	Varun Kumar, Gagnesh Kumar
20.	"State and Parameter Estimation of Nonlinear Systems Using Extended Kalman Filter Based Sensor Fusion Approach", 5th International Conference for Emerging Technology (INCET), May 24, 2024 - May 26, 2024, Belgaum, Karnataka, India, pp. 1-8.	Scopus	Tushar Dhiman, Bharat Bhushan Sharma
21.	"Optimization of CNTFET and Effect of channel length scaling on CNTFET and MOSFET threshold voltage"	Scopus	Pradyut Patel, Gagnesh Kumar
22.	"Functionalized Rice Husk for Removal of Rhodamine-B Dye from wastewater"	International Conference	D Raman, A Kumar, P A Reddy, T Palai
23.	"Structural Behaviour of geopolymer concrete - A Review"	Internationally renowned	D.Tiwari, Abhishek K Singh, NB Choudhary, Jiwanjot Singh

Book Chapters:

Sr no.	Title of the chapter	Name(s) of author(s) of chapter	Title of Book	Name(s) of editor(s)	Year of publication	Publisher
1.	Factors affecting biomineralization and various applications of nature-based solutions	Meghna Sharma, Neelima Satyam	Sustainable Materials in Civil Infrastructure	Thainswem-ong Choudhury, Raviteja KVNS, Lakhveer Singh, Elisa Bertolesi	2024	Woodhead Publishing Series in Civil and Structural Engineering
2.	Electrochemical CO ₂ Reduction to Value-added Chemicals	A Kumar, A Verma, T Palai, LM Aeshala,	From Waste to Wealth	RK Arya, GD Verros, OP Verma, and CM Hussain	2024	Springer Nature Singapore Pte Ltd.,
3.	Titanium Dioxide Based Functional Materials for Anti-bacterial and Anti-viral Applications	Ayush Badoni, Rupam Sharma, Jai Prakash	Antibacterial and Antiviral Functional Materials	Kalim Deshmukh, Chaudhery Mustansar Hussain	2024	ACS
4.	Transmission Loss Minimization in Utility Grid Using Reactive Power Management Considering Operations of Capacitor Banks and Transformer on Load Tap Changers: A Case Study	M. P. Sharma, O. P. Mahela, and Ram Niwash Mahia	Renewable Energy Integration in Utility Grids: Advances in Power Quality, Protection, Stability and Flexibility	Om Prakash Mahela, Baseem Khan, Sanjeevi-kumar Padmanaban	2024	Academic Press, Elsevier

5.	Variability of Renewable Energy Generation and Flexibility Initiatives: Indian Scenario	G. S. Sharma, R. K. Ranjan, O. P. Mahela, and Ram Niwash Mahia	Renewable Energy Integration in Utility Grids: Advances in Power Quality, Protection, Stability and Flexibility	Om Prakash Mahela, Baseem Khan, Sanjeevi-kumar Padmanaban	2024	Academic Press, Elsevier
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Books Published:

Sr no.	Title of the book with ISBN	Name(s) of author(s)	Year of publication	Publisher
1.	“Proceedings of 4th International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC 2023)” Volume 1 and 2, eBook ISBN 978-981-97-5231-7, Hardcover ISBN 978-981-97-5230-0	Anuradha Tomar Sukumar Mishra Yog Raj Sood Pramod Kumar	2024	Springer Publisher

Workshops/FDP/STC/e-STC

5 days offline Short-Term Course (STC) on “Current Ground Improvement Practices in India

A Research & Industrial Advancement” organized by Department of Civil Engineering NIT Hamirpur and Indian Geotechnical Society-Hamirpur

Chapter during July 22-26, 2024. This offline STC was designed to address the critical need for updated knowledge and a practical approach to recent advancements in ground improvement techniques (GIT). In construction, ground improvement works were often required to limit the settlement of structures, increase the stiffness of natural soils, or mitigate natural hazards, i.e., liquefaction and landslides during seismic events. This STC was a pivotal initiative, offering participants valuable insights into field practices for group improvement in India. Convener of the Offline STC: Dr. Meghna Sharma; Coordinators of the offline STC: Dr. Manendra Singh, Dr. Swaraj Chowdhury, Dr. Kunjari Mog.



Professional Workshop on Bridge Design Software: Enhancing Faculty Competence in MIDAS CIVIL for Effective Bridge Engineering Solutions.

A Five-Day Workshop was organized on the Introduction to Bridge Design Software (Concepts, Modeling, Analysis, and Design of a Bridge in MIDAS CIVIL) from August 19th - 23rd, 2024. The primary aims of this Workshop were to

enhance the technical and professional competency, as well as the organizational skills, of the faculty members for the Design of a Bridge in MIDAS CIVIL. The Workshop promoted interaction with professionals working in specific areas of research in Academic Institutions, Research Labs, and Industries. Additionally, exposure was provided to the audience from renowned speakers on the latest developments in Academia, Research, and Industry. This program brought about a positive transformation among the faculty



members, research scholars, and participants from industries regarding research work, and enabled the participants to develop competence in understanding recent advances in the proposed topic of the workshop. The five-day workshop on "Introduction to Bridge Design Software (Concepts, Modeling, Analysis, and Design of a Bridge in MIDAS CIVIL)" was a resounding success, providing participants with a thorough understanding of bridge design principles using MIDAS CIVIL.

Key Learning Outcomes:

- **Comprehensive Understanding of MIDAS CIVIL:** Participants were introduced to the MIDAS CIVIL software interface, gaining familiarity with its various tools and features. The step-by-step guidance on modeling, analysis, and design ensured that even those with limited prior experience could confidently navigate the software.
- **Practical Hands-on Experience:** The workshop emphasized practical, hands-on learning. Attendees were not just passive learners but actively engaged in modeling different types of bridges, including steel truss bridges, PSC box girders, and composite I-girder bridges. This approach reinforced theoretical concepts with real-world application.
- **Design and Analysis Proficiency:** The sessions on design and analysis were particularly beneficial, enabling participants to understand the intricacies of structural behavior under various loads and conditions. The integration of construction stage analysis, tendon profiling, and moving load analysis provided a deep dive into advanced bridge design techniques.
- **Interdisciplinary Collaboration:** The workshop facilitated collaboration among participants from different backgrounds, including civil engineering professionals, academics, and students. This interdisciplinary interaction enriched the learning experience, as participants could share insights and approaches from their respective fields.
- **Professional Growth and Skill Enhancement:** By the end of the workshop, participants were not only equipped with technical skills in bridge design software but also gained confidence in their ability to tackle complex engineering problems. The skills acquired will undoubtedly contribute to their professional growth and enhance their contributions to future infrastructure projects.

In the program, a total of 48 participants were enrolled and a feedback form (online) was given to them and the responses were received. The participants felt that the lectures were resourceful and the presentations were delivered in a comprehensive manner. They found that the program was coordinated well and requested to organize such events in future also.

e-STC on Research Applications of Deep Learning: Advancing Knowledge in AI/ML for Students and Professionals

The objective of this e-STC (Research Applications of Deep Learning) is designed to enlighten undergraduate and postgraduate students, research scholars, faculty, and industrial participants about the latest developments and future prospects in the field of AI/ML. Industry experts will share insights on current areas of focus in AI/ML and provide perspectives on future research directions. The e-STC featured experts from various IITs, including IIT Roorkee, IIT Delhi, IIT Indore, and industry representatives from Qualcomm. It saw wide participation, with more than 150 registrations from various IITs, NITs, and Central and State Universities. RADL-24 was organized by the Department of CSE, NIT Hamirpur, in collaboration with IIT Roorkee and the Centre for AI, IUST, J&K.



Online FDP on Opportunities and Applications of Artificial Intelligence in Electrical Engineering: Enhancing Knowledge and Skills for Innovative Solutions

The five-day online FDP on "Opportunities and Applications of Artificial Intelligence in Electrical Engineering (OAAIEE-2024)" was conducted by the Department of Electrical Engineering, National Institute of Technology Hamirpur (H.P.) from May 6th to 10th, 2024. The online FDP was coordinated by Dr. Ram Niwash Mahia and Dr. Pankaj K. Mishra, Assistant Professors in the Department of Electrical Engineering. The objective of the e-FDP was to provide participants with a comprehensive understanding of the latest advancements in AI technologies and their practical applications in Electrical Engineering. It aimed to bring researchers and academic experts from reputed institutes across the country together to exchange and share knowledge, enhance skills, and promote research in AI applications,



thereby fostering interdisciplinary learning, innovation, and collaboration in solving complex electrical engineering problems.

The program witnessed significant participation from different states of the country, with a total of 66 participants. A total of 13 technical sessions were conducted over five days, featuring 13 eminent speakers from Indian Institutes of Technology, National Institutes of Technology, foreign universities, and industries. These interactive technical sessions provided valuable insights and practical knowledge on the applications of AI in Electrical Engineering.

The five days online FDP on “AI and Data Analytics Applications in Power Systems”

was conducted by the Department of Electrical Engineering, National Institute of Technology Hamirpur (H.P.) from 03rd to 07th June, 2024. The online FDP was coordinated by Dr. Katam Nishanth and Dr. Sreeram T. S., Assistant Professor(s), Department of Electrical Engineering. The objective of the e-FDP was to bring the researchers and academic experts from reputed institutes of our country to a collective gathering for exchanging and sharing knowledge in applications of AI and data analytics in power systems.



One-Day Workshop on Virtual Labs: Enhancing Practical Knowledge Through Interactive Learning

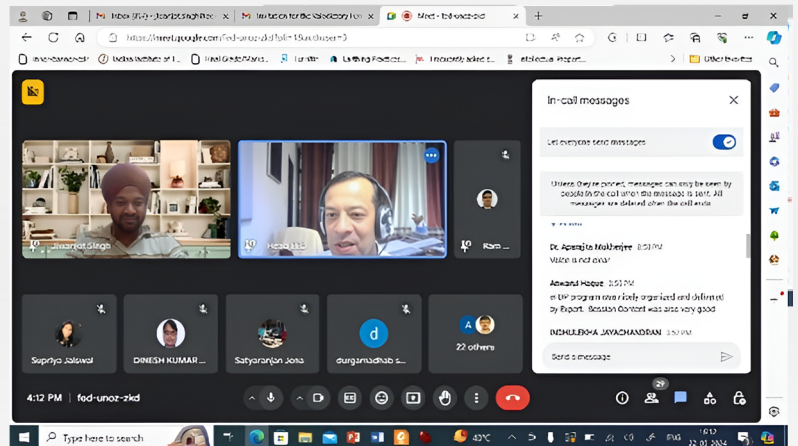
A one-day workshop on virtual labs was organized on 21st August 2024 at NIT Hamirpur by a team visiting from IIT Roorkee, along with Nodal Officer (Virtual Labs) Dr. Katam Nishanth. The workshop was conducted at the new computer center and included participation from UG 2nd year students and faculty from the Electrical Engineering (EE), Electronics and Communication Engineering (ECE), and Mechanical Engineering (ME) departments. Participants were trained in the various online experiment modules developed by the IIT Roorkee virtual labs team, learning how to utilize these online resources to enhance their practical knowledge through interactive experiments and simulations.



e-FDP on Power Quality Issues in Deregulated Power Systems: Awareness and Solutions

In many states, the shape and operation of electricity boards are shifting towards deregulation. While there are some challenges in implementing the restructuring regime, end users are increasingly benefiting from the advantages of a deregulated electricity industry. This environment has become more meaningful with the wider application of power electronic devices. However, the extensive use of these power electronics-controlled devices has led to non-sinusoidal current and voltage waveforms, resulting in similar nonlinearities. Such distorted waveforms can be problematic for sensitive loads, including computers and illumination systems. Although power electronic-controlled devices function effectively, they can compromise power quality.

Power quality issues are primarily related to system voltage, current, and power, with frequency variations and harmonics posing significant concerns for modern power utilities and consumers. The deterioration of power quality, even within a deregulated environment, has emerged as a major problem for consumers, necessitating the attention of academicians, power system planners, and utility engineers. The main objective of this program is to raise awareness of power quality issues among various stakeholders in deregulated power systems. Special emphasis will be placed on problems and their solutions in the MATLAB environment during the e-FDP.



Expert Lecture and Workshop on VLSI RTL Design

Prof. Rajeevan Chandel organized a technical session titled "Expert Lecture cum Workshop on VLSI RTL Design," conducted by Er. Nagasai Nagarjuna, an alumnus of the DD ECE program at NIT Hamirpur (2020 passout) and the R&D Head at QBIT Labs, Gurgaon, Haryana, India. This session was held in the Department of Electronics and Communication Engineering (DoECE) for the faculty and students of NIT Hamirpur on July 25, 2024.



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Conferences Organised

International Conference on Recent Trends in Transport Processes (RTTP-2024)

The International Conference on Recent Trends in Transport Processes (RTTP-2024) was organized by the Department of Chemical Engineering, commencing with an illustrious inaugural ceremony on June 24, 2024, at the National Institute of Technology (NIT) Hamirpur. This landmark event marked the beginning of a three-day conference dedicated to exploring the latest advancements and future trends in transport processes within chemical engineering and allied areas. The Chief Guest for the event was Padma Vibhushan and Padma Bhushan Prof. Man Mohan Sharma, Emeritus Professor of Eminence at ICT Mumbai, a distinguished academician and researcher. Prof. Mithilesh Kumar Jha, Principal of MIT Muzaffarpur and Professor (HAG) at Dr. B. Ambedkar NIT, Jalandhar, served as the Guest of Honor. The occasion was further graced by Prof. H.M. Surwayanshi, Director; Dr. Archana Santosh Nanoty, Registrar; and Prof. Anoop Kumar, Dean of Faculty Welfare.



International Conference on Electrical Systems and Energy Technologies

The International Conference on "Electrical Systems and Energy Technologies" was conducted on August 25-26, 2024. Dr. Rajesh Kumar and Dr. Bharti Koul served as the Organizing Secretaries of the conference, while Dr. Amit Kaul held the position of Chairman. Dr. Ravinder Nath and Dr. Veena Sharma acted as Joint Organizing Secretaries for the event. Contributions were received from across the country, with participants hailing from Punjab, Haryana, Jammu & Kashmir, and Maharashtra. Notably, attendees traveled from distant locations such as Karnataka and Gujarat to present their research work.



Events at a Glance

Faculty Development Programme on Facets of Advanced Research Methodology

Dr. Mohd. Adil, Associate Professor in the Department of Management Studies (DoMS), was invited as a distinguished resource person for a Five-Day Faculty Development Programme on "Facets of Advanced Research Methodology," held from July 29 to August 2, 2024. The event was organized by the Institute of Legal Studies and Research (ILSR) at GLA University, Mathura. During this five-day event, Dr. Adil delivered insightful sessions focused on the latest trends and methodologies in research, emphasizing the importance of robust frameworks in academic inquiry. He highlighted the integration of qualitative and quantitative methods to enhance research outcomes. His lectures also addressed contemporary challenges in data analysis, hypothesis testing, and model validation, offering practical solutions for young faculty and scholars.



Alumni Meet-cum-Silver Jubilee Reunion of the 10th Batch (1995-99)

The Alumni Meet-cum-Silver Jubilee Reunion of the 10th batch (1995-99) was held with great fervor and enthusiasm on June 7th and 8th, 2024. The event was graced by the Chief Guest, Prof. H. M. Suryawanshi, Director of NIT Hamirpur. Approximately 100 alumni registered for the reunion, showcasing a strong turnout from various parts of India and abroad. It was a pleasure to see so many members of the Silver Jubilee batch in attendance.



A particularly heartwarming aspect of the reunion was the generous donation of an ambulance to the institute by the Batch of 1995-1999. This commendable gesture reflects their commitment to giving back and supporting the welfare of the campus community. The donation aligns with the values of sustainability and community welfare, showcasing the strong bond and dedication of the alumni to their alma mater. The institute will undoubtedly benefit greatly from this thoughtful contribution.

| Expert Lecture on Teaching Practices

Prof. Rajeevan Chandel delivered an expert lecture on "Best Practices in Teaching: Course, Class, and Lesson Planning" on June 20, 2024, during the five-day In-House Faculty Development Program organized by the Department of Humanities and Social Sciences (HSS) at NIT Hamirpur, HP. The program took place from June 18 to 22, 2024.

| Expert Lecture on VLSI Design Opportunities

On June 11, 2024, Prof. Rajeevan Chandel delivered an expert lecture titled "VLSI Design: Industrial and Research Opportunities" during the High-End DST-SERB Karyashala organized by the Department of Electronics and Communication Engineering at Dr. B.R. Ambedkar NIT Jalandhar. The Karyashala ran from June 10 to 14, 2024.

| Expert Lecture on VLSI Design Initiatives

Prof. Rajeevan Chandel presented an expert lecture on "VLSI Design: Chip Fabrication Indian Initiatives" during the e-STC on AI Driven VLSI Design & Signal Processing on May 27, 2024. The program was held from May 27 to 31, 2024, in the Department of Electronics and Communication Engineering at NIT Hamirpur, HP.

| RTI Suo Moto Disclosure Audit Achievement

NIT Hamirpur, HP, achieved an exceptionally high score of 722 out of 799 in the RTI Suo Moto Disclosure Audit conducted by the Indian Rubber Manufacturers Research Association (IRMRA). This assessment was carried out as per the guidelines set by the Ministry of Education, Government of India, for the year 2023-2024.

Non Technical Activities

Onam

The Onam celebration at NIT Hamirpur was a vibrant gathering that united students and faculty in a celebration of Kerala's rich cultural heritage. The event featured captivating performances that highlighted the talents and creativity of our community. Through music and dance, participants expressed the spirit of unity and diversity, creating an atmosphere of joy and camaraderie. This celebration not only strengthened bonds among attendees but also offered a meaningful opportunity to appreciate and engage with different cultural traditions, enriching the collective experience at NIT Hamirpur.



Aagman

Aagman, the official freshers' event at NIT Hamirpur, is a vibrant celebration that provides newcomers with an opportunity to exhibit their talents. This dynamic event invites freshers to perform alongside various cultural clubs, cultivating a spirit of community and camaraderie. Participants showcase their distinctive skills in music, dance, drama, and other artistic expressions, highlighting the rich tapestry of talent within our student body.



One of the event's focal points is the Mr. and Mrs. Fresher competition, where students compete for esteemed titles and the chance to connect with their peers. Aagman encourages freshers to step beyond their comfort zones, cultivate confidence, and forge lasting friendships. This lively celebration embodies the welcoming ethos of NIT Hamirpur, ensuring that every newcomer feels valued and acknowledged as they embark on their academic journey. Overall, Aagman serves

as an exceptional introduction to campus life, uniting students through creativity and shared experiences.

Sports

Interbranch competitions at NIT Hamirpur offer an engaging platform for students to showcase their talents in a friendly competitive environment. These events unite participants from various disciplines in sports such as cricket, football, basketball, and volleyball.



As students compete, they build connections with their peers, fostering unity and camaraderie across different branches. The competitions highlight the diverse skills and dedication of the participants while promoting values like sportsmanship and collaboration. Each event is organized to ensure a memorable experience for both competitors and spectators. These competitions allow students to display their athletic abilities and create lasting memories, enhancing the overall campus experience and contributing to their personal growth.

Mental Health Marathon

The Mental Health Marathon at NIT Hamirpur is a meaningful event designed to raise awareness about mental well-being. Participants take part in a straightforward run around the campus, highlighting the



connection between physical activity and mental health. This marathon fosters a sense of community and encourages students to think about their own mental wellness. As they run together, it creates opportunities for meaningful conversations and mutual support. Ultimately, the event serves as a reminder of the importance of prioritizing mental health and demonstrates how simple actions can lead to significant improvements in overall well-being.

Student Achievements

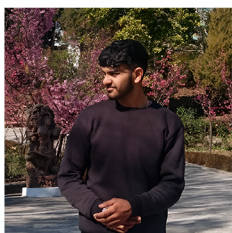
The students of NIT Hamirpur have consistently demonstrated their talent and dedication by securing prestigious internships, placements, and winning national competitions. Their accomplishments reflect the institute's commitment to nurturing excellence and innovation. Below are some of the standout achievements:



Aditya Rana

Placement at Cloudera

Aditya Rana successfully secured a placement at Cloudera, a global leader in big data and cloud computing. His skills in data analytics and cloud infrastructure impressed recruiters, making him a valuable addition to the team at Cloudera.



Aryan Parashar

Placement at Google

Aryan Parashar achieved an exceptional milestone by securing a placement at **Google**. His strong software development skills and problem-solving abilities led to this prestigious opportunity at one of the world's foremost tech companies.



Anshita Siroya

Winner of JPMC Code for Good Competition

Anshita Siroya showcased her coding expertise by winning the prestigious **JPMC Code for Good** competition. Her innovative and practical solutions were recognized by **JPMorgan Chase**, securing her the top position in a highly competitive event.



Arshita Kango

Internship at Google

Arshita Kango secured a coveted internship at **Google**, where her proficiency in software engineering and problem-solving skills made her stand out. She will be working alongside some of the top minds in the tech industry.



Putul Singh

Summer Internship at IIT Bombay

Putul Singh secured a prestigious summer research internship at **IIT Bombay**, where she worked on **fractal analysis of images**. Her research provided insights into image processing techniques, reflecting her strong analytical skills and commitment to her field.



Aman Upadhyay

Summer Internship at IIT Roorkee

Aman Upadhyay earned a summer research internship at **IIT Roorkee**, where he worked on **Computational Fluid Dynamics (CFD)**. His project on the **Lid-Driven Cavity Flow Problem**, utilizing PETSc for parallel computing, contributed to research in fluid dynamics.



Nishant Prakhara

Summer Research Internship at IIT Patna

Nishant Prakhara earned a summer research internship at **IIT Patna**, where he focused on designing and modeling a foldable **trivehicle**. His innovative approach to this project showcased his creativity and engineering skills, contributing to advancements in vehicle design.



Abhijay Singh
Thakur

Summer internship at IIT Mandi

During his summer internship at **IIT Mandi**, Abhijay worked on the design, fabrication, and characterization of a **biodegradable horn-type antenna**. His project aimed at developing an eco-friendly antenna solution while maintaining high performance for wireless communication systems.



Vinayak Chandel

Summer internship at IIT Mandi

Vinayak's summer research focused on designing a **seventh-order Butterworth bandpass filter** using MATLAB and LTSpice. The filter targeted a flat passband and steep roll-off for communication systems. He refined the design through simulations and ensured compatibility with real-world components.



Aayush
Chaudhary

Summer Internship at IIT Mandi

Aayush's project focused on designing and analyzing **hybrid manifold microchannels (MMC)** with bifurcations for electronics cooling. Using ANSYS Fluent simulations and practical testing, he explored how bifurcations improve heat dissipation efficiency in microfluidic systems. His work marks an important step forward in thermal management technology.



Harshit Parti

Summer Internship at CSIR-CSIO Chandigarh

During his summer research internship, Harshit Parti contributed to **advanced antenna design** and optimization for communication systems. His work focused on improving signal performance and efficiency through innovative design techniques, enhancing the overall reliability of wireless communication networks.



Rishika Sharma

Internship at Defence Laboratory jodhpur

Undergone practical training on "**Dual Band Resonance in Tetragonal BaTiO₃/NBR Composites for Microwave Absorption Applications**". This is a major principle in Stealth Technology.



Ramit Gupta

Placement at Cloudera

Ramit Gupta successfully secured a placement at Cloudera, a global leader in big data and cloud computing. His skills in data analytics and cloud infrastructure impressed recruiters, making him a valuable addition to the team at Cloudera.



Tushar kaushal

Placement at UKG

Tushar Kaushal secured a placement at UKG, a global technology company specialising in workforce management solutions. His skills in problem-solving and system design alongside his professional outlook impressed the recruiters.

Placement Statistics (I May 2024- 31 Aug 2024)

Branch	Eligible Candidates	Placed	% Placement	Total Jobs Offered	% Jobs offered to NITH	Max CTC (in lakhs)
Computer Science & Engg.	116	37	31.90%	43	37.06%	53
Computer Science & Engg. Dual	24	8	33.33%	8	33.33%	17
Electronics & Comm. Engg.	97	19	19.59%	20	20.62%	26.64
Electronics & Comm. Engg. Dual Degree	23	8	34.78%	8	34.78%	41
Electrical Engg.	106	29	27.36%	32	30.19%	9.35
Mechanical Engg.	89	24	26.97%	24	26.97%	11.75
Chemical Engg.	49	6	12.24%	6	12.24%	6.5
M.Tech (All)	247	25	10.13%	25	10.13%	8.55
MBA	32	3	9.37%	3	9.37%	8.5

A Glance





NIT Hamirpur in News:

एनआईटी हमीरपुर में भौतिकी के अनूठे प्रयोगों का किया प्रदर्शन

जॉय ऑफ फिजिक्स कार्यक्रम में प्रयोगात्मक प्रदर्शन से भौतिकी पढ़ाने का किया आग्रह

संवाद न्यूज़ एजेंसी

हमीरपुर। एनआईटी हमीरपुर के भौतिकी, फोटोनिक विज्ञान विभाग और इंडियन एसोसिएशन ऑफ फिजिक्स टीचर्स (आईएपीटी) क्षेत्रीय परिषद आरसी-23 की ओर से संयुक्त रूप से जॉय ऑफ फिजिक्स पर विशेष सत्र का आयोजन वीरवार को किया गया। आईएपीटी के राष्ट्रीय समन्वयक भौतिक विज्ञानी पद्मश्री प्रो. एससी वर्मा कार्यक्रम में मुख्य अतिथि के रूप में शामिल हुए।

विशेष अतिथि आईएपीटी के अध्यक्ष और भौतिक विज्ञानी प्रो. पीके अहलवालिया मौजूद रहे। आईएपीटी से जुड़े हुए प्रदेशभर के स्कूलों के विद्यार्थियों और शिक्षकों ने इस कार्यक्रम में हिस्सा लिया। हिम-अन्धिका के समन्वयक दिनेश शर्मा ने प्रतिभागियों का स्वागत किया और उन्होंने अन्धिका की गतिविधियों पर प्रकाश डाला। इस सैमिनार जॉय ऑफ फिजिक्स की प्रासंगिकता बताई। आईएपीटी आरसी 23 के अध्यक्ष डॉ. कुलदीप कुमार शर्मा ने भी प्रतिभागियों को संबोधित किया। उन्होंने शिक्षकों से मौलिक अवधारणाओं के प्रयोगात्मक प्रदर्शन के माध्यम से



एनआईटी हमीरपुर में आयोजित जॉय ऑफ फिजिक्स कार्यक्रम में उपस्थित विद्यार्थी। संवाद

नई शिक्षा नीति 2020 में प्रयोगात्मक कौशल को दिया है विशेष स्थान

भौतिकी पढ़ाने का आग्रह किया। कहा कि घर और स्कूल में आसानी से उपलब्ध होने वाली चीजों से बच्चों को कैसे भौतिकी समझाई जाती है, इसके प्रयोग भी कार्यक्रम में दर्शाए गए हैं। एनआईटी हमीरपुर की कुलसचिव डॉ. अर्चना सतोप नागोटी ने कहा कि नई शिक्षा नीति

कौशल को विशेष स्थान दिया गया है। प्रो. पीके अहलवालिया ने भी विद्यार्थियों को संबोधित किया। डॉ. मुकुल ने छात्रों को विभिन्न प्रकाश अवधारणाओं से भौतिकी के अनूठे प्रयोग मंच से दर्शाए। इन प्रयोगों में पद्मश्री प्रो. एससी वर्मा भी उनके साथ शामिल हुए। इस मौके पर एनआईटी हमीरपुर के निदेशक एचएम सुर्वंशरी, आईएपीटी के संस्थापक सदस्य प्रो. आरसी लखनपाल और प्रोफेसर एसके शर्मा सहित विभिन्न स्कूलों के प्रतिनिधि मौजूद रहे।

इंस्पायर मानक अवार्ड के लिए ऑनलाइन आवेदन 1 जुलाई से

हमीरपुर। इंस्पायर अवार्ड मानक योजना के अंतर्गत जिले में अंतिम आवेदन करने की प्रक्रिया एक जुलाई से शुरू हो रही है। विद्यार्थी एक विज्ञान मॉडल बनाने के लिए मिलती है 10,000 की प्रोत्साहन राशि

है। सभी सरकारी और निजी स्कूलों के इच्छुक विद्यार्थी इसमें भाग ले सकते हैं। विद्यार्थी जिनका आयु वर्ग 10 से 15 वर्ष है, वह अपना आवेदन ई-एमआईएस बेब पोर्टल पर करेंगे। जिला विज्ञान पर्यवेक्षक राजेश गौतम ने कहा कि इंस्पायर मानक योजना विद्यार्थियों को विज्ञान मॉडल बनाने के लिए प्रोत्साहन राशि 10,000 रुपये उपलब्ध कराती है। उन्होंने जिलाभर के सभी विज्ञान अध्यापकों से आग्रह किया है कि वह विद्यार्थियों को ऑनलाइन आवेदन करने के लिए प्रोत्साहित करें। इससे बच्चों में वैज्ञानिक प्रवृत्ति होती है। संवाद

The Department of Physics and Photonic Sciences organized an inspiring "Joy of Physics" session in collaboration with the Indian Association of Physics Teachers (IAPT), featuring the renowned Padma Shri awardee H.C. Verma. His participation not only enriched the academic experience but also inspired both students and faculty to delve deeper into the fascinating world of physics.

एनआईटी हमीरपुर और आईआईपी देहरादून के विशेषज्ञ साथ करेंगे शोध

अकादमिक और अनुसंधान को बढ़ावा देने के लिए संस्थानों में हुआ एमओयू

हमीरपुर। एनआईटी हमीरपुर और इंडियन इंस्टीट्यूट ऑफ पेट्रोलियम, देहरादून (आईआईपी) के विशेषज्ञ व सहपाठी अब मिलकर शोध करेंगे। दोनों संस्थानों के बीच विभिन्न वैज्ञानिक क्षेत्रों में अकादमिक और अनुसंधान सहयोग को बढ़ावा देने के लिए समझौता ज्ञापन हुआ है। एमओयू पांच साल के लिए प्रभावी रहेगा।

एनआईटी हमीरपुर से अनुसंधान और प्रशासन के डॉन प्रो. रविशंकर सहगल आईआईपी देहरादून से निदेशक डॉ. होद सिंह शिंद ने एमओयू पर हस्ताक्षर किए। एमओयू का मुख्य उद्देश्य दोनों संस्थानों के लिए ज्ञान के आदान-प्रदान, संयुक्त अनुसंधान और उनके वैज्ञानिक-तकनीकी क्षमताओं को बढ़ावा देने को प्रोत्साहित करना है। दोनों संस्थान एक-दूसरे की तकनीकी का उपयोग करके ट्रांसफॉर्मेशनल अभ्युदय, साफ्टवेयर-सुविधेय, अवशिष्ट जल उपचार, खनिज-सिमुलेशन आदि क्षेत्रों में अकादमिक-औद्योगिक विशेषज्ञता को और आगे बढ़ाने का प्रयास करेंगे। एनआईटी हमीरपुर के निदेशक प्रोफेसर एचएम सुर्वंशरी ने कहा कि वह सहोदारी दोनों संस्थानों की अनुसंधान और विकास (आरएंडडी) क्षमताओं को बढ़ाएंगे। वह सहोदारी प्रयास पेट्रोलियम क्षेत्र, वैज्ञानिक ऊर्जा स्रोतों और अत्यधिक तकनीकी में प्रगति को प्रेरित करना जिससे देश के सामाजिक-आर्थिक विकास में योगदान होगा। संवाद



राष्ट्रीय इंजीनियरिंग अकादमी में एनआईटी हमीरपुर को मिली सदस्यता

हमीरपुर। एनआईटी को भारतीय राष्ट्रीय इंजीनियरिंग अकादमी में सम्मानित करने के तहत पांच साल के लिए संसदगत संरक्षण के रूप में शामिल किया गया है। अकादमी शिक्षा और अनुसंधान में तकनीकी और इंजीनियरिंग क्षेत्र में राष्ट्र स्तर पर कार्य कर रही है। अकादमी में सदस्यता मिलने से एनआईटी को कई संसाधनों का लाभ मिलेगा। एनआईटी भारत में इंजीनियरिंग और प्रौद्योगिकी में महत्वपूर्ण उपलब्धियों, भारत में महिला इंजीनियरों पर आधारित विषयों संसदगत संरक्षण सौलंठन, प्रमुख कार्यक्रमों और अन्य योजनाओं में भाग ले सकेगा। इससे छात्रों और शिक्षकों को नए-नए विकास से जुड़ने का मौका मिलेगा। एनआईटी की रीजिस्ट्रार, डॉ. अर्चना नागोटी ने बताया कि अकादमी के साथ मिलकर एनआईटी इंजीनियरिंग शिक्षा में अपनी महत्वपूर्ण पहचान को और भी सुदृढ़ करने का कार्य करेगा। संवाद

Additionally, NIT Hamirpur is actively collaborating with the Indian Institute of Petroleum (IIP) in Dehradun to enhance their research initiatives, showcasing the institution's dedication to advancing scientific inquiry. Excellence is evidenced by the publication of 60 research papers focusing on cutting-edge topics such as electrical systems and energy technology. This strong commitment to research and innovation positions NIT Hamirpur at the forefront of engineering education in India, fostering a culture that aims to address

contemporary challenges and contribute significantly to technological advancements.

माजूर रहा। गजबुला से प्रवेश का क्या रखा।

भारतीय राष्ट्रीय इंजीनियरिंग अकादमी की डायमंड श्रेणी में एनआईटी हमीरपुर शामिल



उत्तम हिन्दू न्यूज नेटवर्क
हमीरपुर / विशाल राणा : वर्ष 1985 में स्थापित राष्ट्रीय प्रौद्योगिकी संस्थान (तब रोजन्तल इंजीनियरिंग कालेज) हमीरपुर को भारतीय राष्ट्रीय इंजीनियरिंग अकादमी (आई. एन. ए. ई.) में डायमंड श्रेणी के तहत 5 वर्ष (जून, 2024 से जून, 2029 तक) के लिए संस्थागत सदस्य के रूप में शामिल किया गया है। अकादमी द्वारा दिए इस सम्मान से एन.आई.टी. हमीरपुर को देश के प्रमुख इंजीनियरिंग संस्थानों में जगह मिली है, वहीं ये सम्मान संस्थान द्वारा शिक्षा और अनुसंधान में तकनीकी तथा इंजीनियरिंग क्षेत्र में किए गए अतुलनीय योगदान को भी मान्यता दिलाता है। इस सदस्यता के साथ संस्थान को कई संसाधनों का लाभ मिलेगा। अब संस्थान राष्ट्रीय संगोष्ठियों, प्रमुख कार्यक्रमों और अकादमी द्वारा चलाए जा रही योजनाओं में भाग ले सकेगा, जिससे छात्रों और शिक्षकों को बहुत लाभ मिलेगा। इसी तरह इस सदस्यता के तहत संस्थान के छात्रों, शोधकर्ताओं और शिक्षकों को अकादमी के माध्यम से विशेष सदस्यता कार्यक्रमों का भी लाभ मिलेगा, जो उनके पेशेवर विकास और अनुसंधान सहयोग को बढ़ावा देगे।

इससे भविष्य में और भी सहयोग तथा विकास की उम्मीद है। यह सब संस्थान के निदेशक प्रो. एच.एम. सूर्यवंशी की दूरदर्शी सोच के कारण ही संभव हो पाया है।

डॉ. अर्चना ननोटी, रजिस्ट्रार एन.आई.टी. हमीरपुर।

NIT Hamirpur has recently gained considerable attention by earning a distinguished spot in the INAE Diamond Category of engineering colleges, which reflects its unwavering commitment to academic excellence and innovation in engineering education. Several high-achieving students have successfully secured impressive job offers with packages exceeding 50 lakhs CTC, underscoring the strong industry connections and robust placement opportunities available to graduates.

उपलब्धि : आई.एन.ए.ई. की डायमंड श्रेणी में शामिल हुआ एन.आई.टी. हमीरपुर

यह वर्ष के लिए दिल्ली में आयोजित कार्यक्रमों, प्रमुख कार्यक्रमों और अकादमी द्वारा चलाए जा रही योजनाओं में भाग ले सकेगा, जिससे छात्रों और शिक्षकों को बहुत लाभ मिलेगा। इसी तरह इस सदस्यता के तहत संस्थान के छात्रों, शोधकर्ताओं और शिक्षकों को अकादमी के माध्यम से विशेष सदस्यता कार्यक्रमों का भी लाभ मिलेगा, जो उनके पेशेवर विकास और अनुसंधान सहयोग को बढ़ावा देगे।

एन.आई.टी. हमीरपुर व सी.एस.आई.आर. आई.आई.पी. देहरादून ने समझौता ज्ञापन पर किए हस्ताक्षर

एन.आई.टी. हमीरपुर और सी.एस.आई.आर. आई.आई.पी. देहरादून ने एक समझौता ज्ञापन पर हस्ताक्षर किए हैं। इस समझौते के तहत दोनों संस्थानों के छात्रों को एक-दूसरे के संस्थानों में अध्ययन करने का अवसर मिलेगा।

In the latest India Today engineering college rankings, NIT Hamirpur proudly ranks 24th, further reinforcing its reputation as a leading destination for aspiring engineers from across the nation.

एन.आई.टी. हमीरपुर की उल्लेखनीय उपलब्धि, 264 अंकों के साथ संस्थान ने मजबूत शैक्षणिक वातावरण का प्रदर्शन किया

इंडिया टुडे की रैंकिंग में देश के शीर्ष इंजीनियरिंग संस्थानों में 24वें स्थान पर

2000 में से प्राप्त किए 1504 अंक

हमीरपुर, 23 अगस्त (एन.आई.टी. हमीरपुर) : भारतीय इंजीनियरिंग अकादमी (आई.एन.ए.ई.) की रैंकिंग में हमीरपुर का स्थान 24वां है। यह रैंकिंग देश के शीर्ष इंजीनियरिंग संस्थानों में से एक है।

हमीरपुर में 2000 में से प्राप्त किए 1504 अंक।

बुनियादी ढांचा और जीवन अनुभव

264 अंकों के साथ संस्थान विश्व स्तरीय बुनियादी ढांचा प्राप्त करता है, जो छात्र अनुभव को सुदृढ़ करता है।

आधुनिक प्रयोगशालाओं और सुदृढ़ बुनियादी ढांचे के साथ संस्थान छात्रों को एक उत्कृष्ट शिक्षण अनुभव प्रदान करता है।

व्यक्तित्व और नेतृत्व विकास

इसके साथ ही 124 अंकों के साथ संस्थान ने स्वयंसेवकता के प्रति अपनी प्रतिबद्धता का प्रदर्शन किया है।

संस्थान छात्रों को नेतृत्व और सहयोग के माध्यम से विकास करने के लिए छात्रों के साथ इंटरनेट, लाइव ऑनलाइन, सहयोगी ज्ञान और उद्योग के नेताओं के माध्यम से विकास करने के लिए अनेक कार्यक्रम प्रदान करता है।

प्लेसमेंट और करियर प्रगति

संस्थान प्लेसमेंट निदेशिका और उद्योग प्रगति के माध्यम से छात्रों को एक उत्कृष्ट करियर प्रगति प्रदान करता है।

संस्थान ने 2000 में से प्राप्त किए 1504 अंक।

एन.आई.टी. हमीरपुर 2024 इंजीनियरिंग श्रेणी में भी 24वें स्थान पर

संस्थान की इंजीनियरिंग श्रेणी में भी 24वें स्थान पर है।

संस्थान की इंजीनियरिंग श्रेणी में भी 24वें स्थान पर है।

भविष्य की सफलताओं के प्रेरणास्त्रोत : निदेशक

संस्थान के निदेशक प्रो. एच.एम. सूर्यवंशी का कहना है कि संस्थान की सफलताओं का कारण है छात्रों की मेहनत और संस्थान के शिक्षकों की समर्पण।

संस्थान पत्रिका •

उत्क्रांत

संस्करण 14, अंक 3

"सपने वो नहीं जो हम सोते वक्त देखते हैं,
सपने वो हैं जो हमें सोने नहीं देते।"

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