



NATIONAL INSTITUTE OF TECHNOLOGY,  
HAMIRPUR

INSTITUTE NEWSLETTER

# UTKRANT

*Volume 13, Issue 1, 2023*

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*One patent awarded to Department of Electrical Engineering*





## MESSAGE FROM DIRECTOR

Greetings from the National Institute of Technology Hamirpur, Himachal Pradesh!

Issuing this newsletter is a great pleasure for all of us, and for myself, as it is like providing my service to the Institute I am very attached to. By publishing this newsletter we are taking a step ahead toward knowledge sharing. It is only through sharing knowledge that we evolved as the "learned" species in this widely diverse world of organisms. The current edition of the NIT Hamirpur newsletter is a humble effort to share and showcase to our members the learnings, and the insights of the research & innovation going on in the institute. I heartily congratulate all for initiating such a new concept for our institute in the form of this newsletter. Despite some bottlenecks, our learned faculty has always been enthusiastic about the pursuit of knowledge, and through this newsletter makes a humble effort to share knowledge with peers in the field of engineering education. The NIT Hamirpur newsletter is a step forward in knowledge sharing. It is a matter of pride for the whole of the NIT Hamirpur family, as we constantly march ahead in teaching-learning, research and innovation and keep pace with all other institutes of eminence in the field of Engineering and Technology.



DR. H.M. SURYAWANSHI  
DIRECTOR

NIT Hamirpur has always provided regional development services through the guidance and direction of the Government of India initiatives. The faculty believed in developing intelligence from diverse sources and using the same for the upliftment of those sections of society who look up for guidance in any field. Intelligence is related to knowing something that can be confidently applied to a particular context. But new situations require new solutions, and in these times we need to work and think in new ways. This shift in stance causes a change in perspective. Changes in perspective, large or small, help us acquire new knowledge. Through this Newsletter, showcasing some of our activities, we seek to spread the word about our humble contribution to engineering education. The parameters of the NIRF ranking system are being meticulously worked upon and by the following year, we are sure to be at a higher ranking. Our valued faculty addresses the gap between what we are giving and what we are capable of giving, and once we direct all our resources and strengths, we will become what we aim for. ...the best! When we feel connected to the moral purpose of our work, we develop new perspectives and begin to behave differently. Speaking of "moral purpose" teaching our students to be good human beings along with good engineers is all that defines our moral purpose.

DR. H.M. SURYAWANSHI  
DIRECTOR

## DISCLAIMER

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*Published by Faculty Incharge (News Bulletin)*



### Awards

S. No.	Name of faculty	Name of organisation	Date	Award
1	Dr. Jai Prakash	Royal Society of Chemistry	Feb-23	MSDE Emerging investigator
2	Dr. Neetu Kapoor	VIVA International foundation	01-Mar-23	“Outstanding Women Researcher in Architecture 2023”
3	Dr. Vandna Sharma	Journal of Scientific Research and Reports	21-Mar-23	Certificate of Excellence in Reviewing

### MOUs Signed

S. o.	Name of the Party with whom MOU signed	Date of Signing
1	Indian Institute of Technology Madras, Chennai,India	16-02-2023
2	National Research Development Corporation	14-02-2023
3	National Institute of Technology Uttarakhand Srinagar Garhwal-246174, Uttarakhand, India	06-02-2023
4	SJVN Ltd	05-11-2022

### Ph.D. Completed

Sr. No.	Title of Thesis	Ph.D Thesis Status [Completed / Submitted]
1	Optimal Planning and Sensitivity Analysis of Hybrid Green Microgrid	Completed
2	Virajan Verma,"Dynamic Analysis of Horizontally Curved Thin-walled Box-Girder Railway Bridges subjected to High-Speed Trains"	Completed



Patents Filed

S. No.	Title	Patent Application Number	Inventor/ Author
1	Recovery of kinetic energy from high inertia stranding conductor manufacturing plant	1930/DEL/2013 A (Patent Granted)	Prof. Yog Raj Sood Dr. Anuradha Tomar
2	A synchronized system and method to restrict informal communication in online communication service platforms	202311011185A	Dr. Richa Joshi Dr. Sachin Kumar and Dr. Neeraj Dhiman
3	An IoT based Aid for Monitoring Hallucinations and Assisting in Cognitive Rehabilitation of Schizophrenia Patient	202211072524	Nitin Gupta, Jahnvi Gupta, Ritwik Duggal, Himanshi, Amulya Saxena
4	A Synchronized System and Method to Restrict Informal Communication in online Communication Service Platforms	202311011185	Dr. Sachin Kumar, Dr. Richa Joshi, Dr. Neeraj Dhiman, DoMS
5	An IoT based Aid for Monitoring Hallucinations and Assisting in Cognitive Rehabilitation of Schizophrenia Patients	202211072524	Dr. Nitin Gupta, DoCSE
6	A Machine Learning Empowered Green Traffic Offloading System and Method for Mobile Edge Computing	202211062420	Dr. Krishan Kumar, DoECE
7	Semi Automatic Logistic Trolley for Healthcare Sector	202211057130	Dr. R.K. Jarial, DoEE
8	Smart painting roller with temperature sensor to detect the temperature of wall and paint	202211046848 A	Dr. Indu Sharma, Dr. Sanjay Kumar, Ms. Rajni Devi, Ms Neha Thakur, Ms. Madihu Bala, Ms. Kanika Pathania, Career Point University- Hamirpur- Dr. Khalid Mujasam Battoo, King Saud University, Riyadh, Saudi Arabia, Dr. Kuldeep Kumar, National Institute of Technology-Hamirpur, Dr. Rajesh Sharma, Sardar Vallabhai Patel, Cluster University- Mandi, Ms. Arushi Sharma, Banasthali Vidyapith, Rajasthan





## R&D Projects

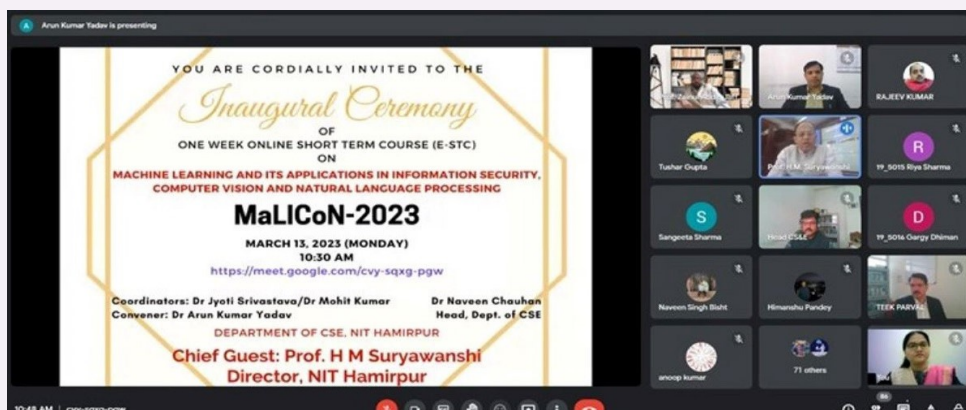
S. No	Title of R&D Project/Patent	Name of Funding Agency and Amount	Name of PI and CO-PI	Present Status of Project [Completed/Ongoing]
1	Scalable small scale business model for E-waste management through 3Rs, deep learning collection system, and marketchain in NIT Hamirpur (HP)	Ministry of Education for Funding under the Swachhta Action Plan Scheme Rs.41.04 Lakhs	Centre for Energy Studies	Yet to Started
2	Advanced microalgalbiorefinery approach for the recycling of domestic sewage wastewater for a cleaner and greener Indian Himalayan region	National Mission on Himalayan Studies Ministry of Environment, Forest & Climate Change (MoEF&CC)  Govt of India	Centre for Energy Studies	Yet to Started
3	Development of robust multi-sensor non-stationary data analysis method using array signal processing and deep learning techniques for electroencephalogram (Eeg) signla	SERB, New Delhi	Dr. Abhijit Bhattacharyya DoECE	Ongoing Sanction on 24/10/2022
3	Development of robust multi-sensor non-stationary data analysis method using array signal processing and deep learning techniques for electroencephalogram (Eeg) signla	SERB, New Delhi	Dr. Abhijit Bhattacharyya DoECE	Ongoing Sanction on 24/10/2022
4	Experiment and Numerical studyon a battery Thermal Management System by Mist jet Impingement Integrated Forced-Air Convection	SERB, New Delhi	Dr. Ajoy Debbarma, DoME	Ongoing Sanction on 16/12/2022
5	Design,fabrication and Experimental Investigations intoExtrusion Pressure Based Magnetorheological Finishing Tool	SERB, New Delhi	Dr. Dilshad Ahmad Khan, DoME	Ongoing Sanction on 30/01/2023
6	Design of advanced h-BN/MOFs (Metal-organic Frameworks) based nanocomposites for hydrogen storage	Science And Engineering Research Board (SERB), Department of Science& Technology, Government of India, Amount: Rs1922456	Dr. Rajesh Kumar, DoME	Ongoing Sanction on 30/01/2023

### Events

*Ek Bharat Shreshtha Bharat (EBSB) Club Presents IKYAM'23, on 19<sup>th</sup> March - 23<sup>rd</sup> March 2023*



*Inaugural Ceremony of Five-Day Online Workshop e-STC on "Machine Learning and its applications in Information Security, Computer Vision and Natural Language Processing (MaLICO-N 2023)" on 13<sup>th</sup> March 2023*







*International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering (MATHED-2022) on 15<sup>th</sup> February - 17<sup>th</sup> February 2023*





## Journal Papers

Sr. No.	Paper Information (in IEEE Format)	Journal Status	Publication
		[SCI / Scopus]**	(Month / Year)
1	Rajeev Gupta, Jai Prakash et al. A critical review on recent progress, open challenges, and applications of corrosion-resistant superhydrophobic coating, Materials Today Communication 34(2023)105201	SCI	01-03-2023
2	Samriti, Abhijeet Ojha, and Jai Prakash, Water Challenges in South Asian Countries: A Focused Review on Emerging Nanomaterials and Technological Processes in Wastewater Treatment, ACS ES&T Water	-	01-03-2023
4	Renewable based techno-economic analysis for telecommunication system: A case study of western Himalaya	Scopus	2023
5	Flow direction algorithm-based optimal power flow analysis in the presence of stochastic renewable energy sources	SCI	2023
6	Investigation of optimal power flow solution techniques considering stochastic renewable energy sources: Review and analysis	Scopus	2023
7	Optimal planning of green microgrid with minimisation of environmental emissions	SCI	
8	A review on different parametric aspects and sizing methodologies of hybrid renewable energy system	Scopus	2022
9	Modeling and sensitivity analysis of grid-connected hybrid green microgrid system	SCI	2022
10	Solution approach for optimal power flow considering wind turbine and environmental emissions	Scopus	2022
11	Microgrids: A review of status, technologies, software tools, and issues in Indian power market	SCI	2022
12	A novel hybrid model for predicting hourly global solar radiations on the tilted surface	SCI	2022
13	Optimal resource utilization in a multi-microgrid network for Tamil Nadu state in India	SCI	2022
14	Planning and optimization of sustainable grid integrated hybrid energy system in India. , Sustainable Energy Technologies and Assessments (Accepted) Manuscript no: SETA-D-22-02666R3, Elsevier IF: 8.2 (Malik, P., Awasthi, M. & Sinha, S.)	-	-
15	A techno-economic investigation of grid integrated hybrid renewable energy systems, Sustainable Energy Technologies and Assessments 51, 101976, Elsevier (Malik, P., Awasthi, M. & Sinha, S)	-	-





16	E-waste: A review. Nanoworld Journal. (Scopus Journal) ( Status- accepted) Vaibhav, K.,&Awasthi, M.	-	2023
17	Surbhi Aswal and K.Nallasivam,"Static response of a multi-span suspension bridge subjected to highway vehicle loading",Asian Journal of Civil Engineering	Scopus	2023
18	Mohammad Farhan Shaikh and Nallasivam.K,"Dynamic Response of a Box-Girder Bridge Using the Finite Element Technique",Asian Journalof Civil Engineering	Scopus	2023
19	Surbhi Aswal and K.Nallasivam,"Dynamic responseof a multi-span suspension bridge subjected to highway vehicle loading",Asian Journal of Civil Engineering	Scopus	2023
20	Kashyap Shukla and Nallasivam .K,"Dynamic Response of High-Rise Buildings with Shear wallsdue to Seismic Forces".Asian Journal of Civil Engineering	Scopus	2023
21	K. Kavin Mathi and K.Nallasivam,"Static Analysis ofRigid Airfield Pavement Using Finite Element Method Vs Closed-Form Solution" ,Computational Engineering and Physical Modeling	Scopus	2023
22	Abhishek Sharma and Nallasivam .K,"Static Analysis of a Concrete Gravity Dam using the Finite Element Technique".Asian Journal of Civil Engineering	Scopus	2023
23	Ishan Shankar Vats and Nallasivam .K,"Response of a Natural Draught Hyperbolic Cooling Tower using the Finite Element Technique" ,Asian Journal of Civil Engineering	Scopus	2023
24	Mitresh Kaul, K.Nallasivam,Response of ElevatedWater Tanks Subjected to Lateral Loads,Civil and Environmental Engineering Reports	Scopus	2022
25	K. Kavin Mathi and K.Nallasivam,"Static Analysis ofRigid Airfield Pavement Using Finite Element Method Vs Closed-Form Solution" ,Computational Engineering and Physical Modeling	Scopus	2022
26	Mohammad Farhan Shaikh and Nallasivam .K,"Dynamic Response of a Box-Girder Bridge Using the Finite Element Technique",Asian Journal of Civil Engineering	Scopus	2022
27	Adil, M., Sadiq, M., Jebarajakirthy, C., Maseeh, H. I., Sangroya, D., & Bharti, K.Online service failure: antecedents, moderators andconsequences. Journal of Service Theory and Practice, 2022, 32(6), 797-842.	SSCI	Nov-22
28	Adil, M., Sadiq, M. & Paul, J. Organic food consumption and contextual factors: Anattitude–behavior–context perspective. Business Strategy and the Environment. 2022, <a href="https://doi.org/10.1002/bse.3306">https://doi.org/10.1002/bse.3306</a>	SSCI	Dec-22
29	Maseeh, H. I., Sangroya, D., Jebarajakirthy, C., Adil, M., Kaur, J., Yadav, M. P., & Saha, R. Anti-consumption behavior: A meta-analytic integration of attitude behavior context theory andwell-being theory. Psychology & Marketing, 2022,39(12), 2302-2327.	SSCI	Dec-22



30	Sana, Chakraborty, Adil, M., Sadiq, M. Ecotourism Experience: A Systematic Review and Future Research Agenda. International Journal of Consumer Studies, 2023. <a href="https://doi.org/10.1111/ijcs.12902">https://doi.org/10.1111/ijcs.12902</a>	SSCI	Jan-23
31	Uddin, M., Ansari, M. F., Adil, M., Chakraborty, R. K., & Ryan, M. J. Modeling Vehicle Insurance Adoption by Automobile Owners: A Hybrid Random Forest Classifier Approach. Processes, 2023. 11(2), 629.	SCI	Feb-23
32	Dogra, N., Adil, M., Sadiq, M., Dash, G., & Paul, J. Unraveling customer repurchase intention in OFDL context: An investigation using a hybrid technique of SEM and fsQCA. Journal of Retailing and Consumer Services, 2023. 72, 103281.	SSCI	Feb-23
33	Sachin Kumar, V. Kumar, Vandana, D.K. Batra Impact of Online Service Convenience on Adoption of Electronic Information Resources	Scopus	Accepted for publication
34	Sachin Kumar, A Zia, Vandana, V. Kumar Investigating the Impact of Value Co-Creation on Satisfaction and Intention to adopt E-Resources	Scopus	Accepted for publication
35	Gupta, Chinmay, Mohit Kumar, Arun Kumar Yadav, and Divakar Yadav. "FERNET: An Integrated Hybrid DCNN Model for Driver Stress Monitoring via Facial Expressions." International Journal of Pattern Recognition and Artificial Intelligence 37, no. 03 (2023): 2357002.	SCI	-
36	Yadav, Arun Kumar, Mohit Kumar, Abhishek Kumar, and Divakar Yadav. "Hate speech recognition in multilingual text: hinglish documents." International Journal of Information Technology 15, no. 3 (2023): 1319-1331.	Scopus	-
37	Mehul Sharma, Shrid Pant, Priety, Deepak Kumar Sharma, Nitin Gupta, Gautam Srivastava, "Advancing Security in the Industrial Internet of Things Using Deep Progressive Neural Networks", in Mobile Networks and Applications, Springer, Feb 2023, p.p. 1-15.	SCI	-
38	Wala, Tanuj, Rajeev Kumar, Naveen Chauhan, and Ajay K. Sharma. "DDC-OMDC: Deadline-based data collection using optimal mobile data collectors in Internet of Things." International Journal of Communication Systems (2023): e5486.	SCI	-
39	Verma, Himanshu, Naveen Chauhan, and Lalit Kumar Awasthi. "Modelling Buffer-Overflow in 6LoWPAN Based Resource-Constraint IoT- Healthcare Network." Wireless Personal Communications (2023): 1-16.	SCI	-
40	Gupta, Chinmay, Mohit Kumar, Arun Kumar Yadav, and Divakar Yadav. "FERNET: An Integrated Hybrid DCNN Model for Driver Stress Monitoring via Facial Expressions." International Journal of Pattern Recognition and Artificial	SCI	-





	Intelligence 37, no. 03 (2023): 2357002.		
41	Anudita Gaur, Gargi Khanna and Prateek Asthana Designing Peak Detector and Zero Crossing Detector for Asymmetric Synchronous Electric Charge Extraction, ISBN/ISSN No.: 1793-2920, doi: 10.1142/S1793292022500941	SCIE	Nov 2022
42	Priya Kaushal, Gargi Khanna, MoS <sub>2</sub> based Thickness Engineered Tunnel field-effect transistors for RF/analog applications. ISBN/ISSN No.: 1369-8001 doi: 10.1016/j.mssp.2022.107016	SCIE	Dec, 2022
43	Pinku Ranjan, Swati Yadav, Harshit Gupta and Amit Bage, Design and Development of Machine Learning Assisted Cylindrical Dielectric Resonator Antenna, EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 10, Issue 01, pp308-316, March 2023, <a href="https://doi.org/10.5109/6781085">https://doi.org/10.5109/6781085</a>	Scopus	March 2023
44	Pinku Ranjan, Swati Yadav and Amit Bage, Dual band mimo antenna for lte, 4g and sub-6 ghz 5g applications, facta universitatis Series: Electronics and Energetics Vol. 36, No 1, March 2023, pp. 43-51 <a href="https://doi.org/10.2298/FUEE2301043R">https://doi.org/10.2298/FUEE2301043R</a>	(ESCI)	March 2023
45	Manish Varun Yadav, Sudeep Baudha, Yash Bansal, Saurabh Kumar, A Novel Compact Rectangular Slot Antenna with Ladder Structure for Ultra-Wideband Applications	(Scopus)	2022
46	B. Mohan Rao, Aman Kumar, Naresh Bachwani, and Puneeta Marwaha, Detection of Atrial Fibrillation Based on Stockwell Transformation Using Convolutional Neural Networks <a href="https://doi.org/10.1007/s41870-023-01241-7">https://doi.org/10.1007/s41870-023-01241-7</a>	International Journal of Information Technology	2023
47	B. Mohan Rao, and Aman Kumar, Explainable detection of atrial fibrillation using deep convolutional neural network with UCMFB." Multimedia Tools and Applications <a href="https://doi.org/10.1007/s11042-023-15123-4">https://doi.org/10.1007/s11042-023-15123-4</a>	Multimedia Tools and Applications	2023
48	Girish K. Mekala, Rajeswari Malothu, Yash Agrawal, Rajeevan Chandel, Signal Integrity Assessment of GNR FET-based Ternary Logic for Multi Layered GNR Interconnects with Dielectric Insertion, ECS Journal of Solid State Science and Technology, vol. 12, no. 4, March 2023. DOI: 10.1149/2162-8777/acc68b.	Scopus	2023
49	Abhijit Bhattacharyya, Aarushi Verma, Radu Ranta, and Ram Bilas Pachori, Ocular Artifacts Elimination from Multivariate EEG Signal using Frequency-Spatial Filtering, DOI:10.1109/TCDS.2022.3226775	IEEE	Dec 2022
50	A Kumar, LM Aeshala, T Palai, Electrochemical Reduction of CO <sub>2</sub> to Useful Fuel: Recent Advances and Prospects, Journal of Applied Electrochemistry (2023) (in press). DOI: <a href="https://doi.org/10.1007/s10800-023-01850-x">https://doi.org/10.1007/s10800-023-01850-x</a> , ISSN:1572 8838	SCI	-



51	J Singh, A Kumar, A Pathak, T Palai, Adsorptive Removal of Arsenic(III) from Contaminated Water Using Rice Husk, Tea Waste and Sugarcane Bagasse Bio-adsorbents, Water, Air, & Soil Pollution (2023) (Accepted).	SCI	-
52	Love Kumar, Rajiv Kumar Sharma, A taxonomy study on key dimensions which may help SMEs for industry 4.0 implementation, Journal of Industrial Integration and Management, <a href="https://doi.org/10.1142/S2424862222500300">https://doi.org/10.1142/S2424862222500300</a>	-	2022
53	Hybrid material of $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanostructure with reduced graphene oxide: Enhanced dielectric and optical properties in relation to their composition and morphology, Ravi Kant and K.K. Sharma, Journal of Molecular Structure 1282(2):135216,	-	2023
54	Coprecipitation synthesis, structural, optical properties, and thermometry application of Tm <sup>3+</sup> /Yb <sup>3+</sup> co-doped YPO <sub>4</sub> phosphor, Himani Thakur, Arvind K. Gathania, Santosh Kachhap, Sunil Kumar Singh, Rajesh Kumar Singh, J. of Luminescence, 254, 119513,	-	Feb. 2023
55	A comparative study on the structural, optical, and magnetic behavior of transition metal (Co and Mn) ions substituted Cr <sub>2</sub> O <sub>3</sub> nanoparticles, Pankaj Bhardwaj, Rajesh Kumar, Jarnail Singh, Vikram Verma, Ravi Kumar, Journal of Magnetism and Magnetic Materials, Volume 565, 170247.	-	1 January 2023,
56	Activation of zirconia nanophosphors with Eu <sup>3+</sup> to demonstrate multifunctional optical applications, Ishant Kumar, Avinash Kumar and Arvind K. Gathania, Materials Chemistry and Physics, Vol.292,126846,	-	Dec. 2022
57	Synthesis, characterization and potential sensing application of carbon dots synthesized via the hydrothermal treatment of cow milk, Avinash Kumar, Ishant Kumar and Arvind K. Gathania, Sci Rep 12, 22495	-	2022
58	Effect of heating rates on the energy release application of Al/MLG/Fe <sub>2</sub> O <sub>3</sub> nanothermite, Priya Thakur, Vimal Sharma and Nagesh Thakur, Philosophical Magazine, Volume 103, Pages 43-55	-	19 Nov 2022
59	Vijay Kumar and Akhilesh Kumar Choudhary, A Hybrid Response Surface Methodology and Multi-Criteria Decision Making model to investigate the Performance and Emission Characteristics of a diesel engine fueled with Phenolic antioxidant additive and Biodiesel Blends. " Journal of Energy Resources Technology	ASME ISSN / eISSN: 0195-0738 /1528-8994	(Feb 2023): 1-22.
60	Aparna Singh, Akhilesh Kumar Choudhary, Shailendra Sinha, An Investigation of Performance and Emissions of Diesel Engine Using Heterogeneous Catalyst Jatropha Biodiesel: A Sustainable Model Using Taguchi and Response Surface Methodology. Journal of Energy Resources Technology	145(2),022301. ASME ISSN / eISSN: 0195-0738 / 1528-8994	-





## Conference Papers

Sr. No.	Title of the paper	Publication
1	Power Flow of Multi-Terminal HVDC: Case Study NER Agra UHVDC System 800kV 6000MW	2023
2	Modelling and Performance Analysis Using Fuzzy Logic MPPT Controller for a Photovoltaic System Under Various Operating Conditions	2022
3	Utilization of Signal Analysis Techniques in Investigation of Rotor Broken Bars and Misalignment Defects on low power Induction Machines	2022
4	Optimal sizing and cost assessment of off grid connected hybrid microgrid system	2022
5	Design and optimization of photovoltaic system with a week ahead power forecasting using autoregressive artificial neural networks	2022
6	Open-Access Same-Time Information System: Extended to Indian Power Market	2022
7	Optimal power flow and its vindication in deregulated power sector	2022
8	Technoeconomic Feasibility and Sensitivity Analysis of Off-Grid Hybrid Energy System	2022
9	Open Access Same-Time Information System (OASIS) of New York	2022
10	Optimal planning of green hybrid microgrid in power industry	2022
11	D Suri, T Palai, Microbial Electrosynthesis of Useful Hydrocarbons from CO <sub>2</sub> , National Conference on Advances in Chemical Engineering and Science (ACES-2023)	2023
12	S Akhther, T Palai, LM Aeshala, Membranes for Reduction of Carbon Dioxide to Valued Added Chemicals, National Conference on Advances in Chemical Engineering and Science (ACES-2023)	2023
13	R Pathania, T Palai, Immobilized Bacillus firmus Cells for Bioremediation of Hexavalent Chromium from Wastewater, International Conference on Recent Advances in Biotechnology (icRAB -2022), NIT Jalandhar, India.	December 2-4, 2022
14	A Kumar, T Palai, Effect of Imine Based Functional Group Polymer on Electrochemical Reduction of CO <sub>2</sub> , International Conference on Advances in Smart Materials, Chemical & Biochemical Engineering (CHEMSMART- 2022), NIT Rourkela, India.	December 16-18, 2022
15	Khair Ul Faisal Wani, Nallasivam .K, Abhishek Sharma, Rahul Shakya, "Mechanistic analysis of rigid pavement resting on Winkler foundation for aircraft loading by Finite element method", Emerging Aspects of Manufacturing, Thermal and Design Engineering (MATHED-2022) At: NIT Hamirpur, Feb 2023	2023



16	Abhishek Sharma, Nallasivam .K, Khair UIFaisal Wani, Rahul Shakya,"Numerical Modelling of straight concrete gravity dam subjected to hydrostatic loading by using ANSYS",Emerging Aspects of Manufacturing, Thermal and Design Engineering (MATHED-2022)At: NIT Hamirpur, Feb 2023	2023
17	Mayank Dhiman,Nitin Gupta, Kuldeep s. Jadon,Ujjwal Gupta andYashwant Kumar , "Lattice Cryptography based Geo- encrypted Contact Tracing for Infection Detection", accepted in 4th InternationalConference on Advances in Distributed Computing and Machine Learning (ICADCML2023) NIT Rourkela	Jan-23
18	Praveen Tiwari, Prof. RK Jarial,Gagnesh Kumar , Design and Comparative Analysis of 6T and 7T SRAM Cells for Improved TREADand TWRITE Noise Margins	February 2023
19	Arihant Raj Siddharth, Urvashiand Gargi Khanna, Low Power Architecture of 4-bit Odd Parity Generator/Checker Scheme, 5th International Conference on Power, Control & Embedded Systems (ICPCES-2023) at MNNIT Allahabad, India	January, 2023
20	Performance analysis of silicon based TFET and MoS <sub>2</sub> based TFET, (NCCS-2022) Hazaribag Road, Ranchi	December 2022
21	Rahul Sharma; Saurabh Kumar, Compact Dual-Band Wearable Antenna forOn/Off Body Wireless Communication Applications, 2022 IEEE Silchar Subsection Conference, (SILCON)	January 2023
22	Tapesh Thakur; Saurabh Kumar, Dual Band Circularly-Polarized Crossed-Dipole Antenna for RFID Applications, 13 <sup>th</sup> International Conference on Computing Communication and Networking Technologies, (ICCCNT)	December 2022
23	Deepanshu Kaushal and Rajeevan Chandel, Improving the Flare Perturbation Responseof Gasket Monopole Antenna for Custom Frequency Solutions, 8th IEEE International Symposium on Smart ElectronicSystems (iSES- 2022), NIT Warangal, India,	December, 2022
24	Ashish Goswami, Ashok Kumar and Osamah S. Badarneh, On the Statistics and PerformanceEvaluation of K- $\mu$ /Inverse amma Shadowed FadingChannel. 4th IEEE Middle East & North Africa COMMunicationsConference. Al- Zaytoonah University of Jordan, Amman Jordan.	Dec 2022
24	Deepalika Mehra, Vijay Kumar, Akhilesh Kumar Choudhary and Mamta Awasthi, An Experimental evaluation of Karanja biodiesel blend to measure performanceand emission characteristics. International Conference on Emerging Aspects of Manufacturing, Thermal andDesign Engineering	(MATHED-2022) 15th – 17th February 2023
25	Vijay Kumar and Akhilesh Kumar Choudhary, A Review on Mechanical System Condition Monitoring International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering	(MATHED-2022) 15th – 17th February 2023
26	Pawan Kumar Singotia and Akhilesh Kumar Choudhary, Analysis of the performance and emission characteristics of a CI engine using biodiesel and CeO <sub>2</sub> nanoparticles as fuel International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering	(MATHED-2022) 15th – 17th February 2023
27	Pawan Kumar Singotia, AkhileshKumar Choudharyand Vijay Kumar, Review of a study on the effects of diesel/biodiesel additives and nanoparticleson engine performance and	(MATHED-2022)





	emissions International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering	15th – 17th February 2023
28	Love Kumar, Rajiv Kumar Sharma, Modelling and analyzing structural relationship among industry 4.0 dimensions”, Presented in CPIE-2023 "7th International conference on industrial and production engineering" organized by department of production and industrial engineering held at Dr B R Ambedkar National Institute of Technology Jalandhar	10-12 March 2023
29	Love Kumar, Rajiv Kumar Sharma, Implementation of machine learning technique for selecting better alternatives for demand forecasting in supply chain management” presented in the International Conference on “Emerging Aspects of Manufacturing, Thermal and Design Engineering (MATHED-22)” organized by the Department of Mechanical Engineering, National Institute of Technology Hamirpur	February 15-17, 2023.
30	Aarti Rana, Rajiv Kumar Sharma Developing Artificial Neural Network based model for backorder prediction in Supply Chain Management.”, Presented in CPIE-2023 "7th International conference on industrial and production engineering" organized by department of production and industrial engineering held at Dr B R Ambedkar National Institute of Technology Jalandhar	10-12 March 2023
31	Shubham Sarve, Rajiv Kumar Sharma, Analyzing Remaining Useful Life of Turbofan Engine using Principal Component Analysis.”, Presented in CPIE-2023 "7th International conference on industrial and production engineering" organized by department of production and industrial engineering held at Dr B R Ambedkar National Institute of Technology Jalandhar	10-12 March 2023
32	Rajat Sharma, Dilshad Ahmad Khan & Sant Ram Chauhan, A Detailed Review on Magnetorheological Fluid Assisted Finishing Process, presented in 7 <sup>th</sup> International Conference on Production and Industrial Engineering” organized by Department of Mechanical Engineering held at Dr. B R Ambedkar National Institute of Technology Jalandhar	10-12 March 2023
33	Avinash Kumar, Ishant Kumar and Arvind K. Gathania, A study of the photoluminescence properties of lemon juice-synthesized carbon quantum dots, page 648, 2022, International Union of Materials Research Societies – International Conference in Asia-2022 (IURCM-(IUMRS-ICA-2022)), organized by the Material Research Society of India (MRS-I) and IIT Jodhpur	2022
34	Ishant Kumar, Avinash Kumar and Arvind K. Gathania, Effect of concentration, annealing temperature, and time on the luminescence properties of Sm <sup>3+</sup> activated LiBaPO <sub>4</sub> , page 635, 2022, International Union of Materials Research Societies – International Conference in Asia-2022 (IURCM-(IUMRS-ICA-2022)), s organized by the Material Research Society of India (MRS-I) and IIT Jodhpur	2022
35	Ms Kashish Verma , Matter Antimatter Asymmetry " at XXV DAE-BRNS High Energy Physics Symposium 2022 held at IISER Mohali	December 2022
36	Mr. Karan Roy, Study of the structure of Nano-thermites reinforced with CNT' at 13th International High Energy Materials Conference and Exhibits - 2022 at TBRL, DRDO, Chandigarh	December 22, 2022
37	Mr. Karan Roy and Ms Kashish Verma , 'An effort to increase the energy density by modifying anode in lithium ion batteries' at IUMRS-ICA 2022, organised by IIT Jodhpur	December 22, 2022
38	Mr. Sahil Arora, Coherent Elastic Neutrino-Nucleus Scattering: An outlook on the mechanism, success and applications of the phenomenon at the XXV DAE-BRNS High, Energy Physics Symposium 2022 held at IISER Mohali	December 16, 2022



Book Chapters Published

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	Recent advancements in designing Au/Ag based plasmonic photocatalysts for efficient photocatalytic degradation	Jai Prakash Samriti, Maneet	Gold and Silver Nanoparticles: Synthesis and Applications-Book	Suban Sahoo M. Reza Hormozi-Nezhad	Feb-23	Elsevier
2	Recent Progress on Doped ZnO Nanostructures and Its Photocatalytic Applications		Handbook of Green and Sustainable Nanotechnology	Uma Shanker ,Chaudhery Mustansar Hussain, Manvir Rani	2022	Springer
3	Modeling and Analysis of Autonomous Hybrid Green Microgrid System for the Electrification of Rural Area	Sumit Sharma, Yog Raj Sood, Ankur Maheshwari, Pal lav	Renewable Energy Systems: Modeling, Optimization and Applications	Sanjay Kumar, Nikita Gupta, Sandeep Kumar, Subho Upadhyay	2022	Wiley
4	Green Sntesis of Silver Nano-Particle from Cyanobacteria and Effect on Microalgal Growth nad Production of Exopolysaccharide (EPS)	Shailendra Yadav and Mamta Awsthi	Recent Advances and New Perspectives	Intechopen	2022	Intechopen
5	Recent Advancement and Efficiency Hindering Factors in the Wastewater Treatment Plant: A Review	Awasthi, M., Moten, T.	In: Recent Trends in Wastewater Treatment. Madhav, S., Singh, P., et.al (eds)		2022	Springer, Cham.





6	Enhancing mechanical properties of adobe by use of vernacular fibers of Agave Americana and Eulaliopsis Binata for sustainable traditional mud houses of Himachal Pradesh	Vandna Sharma, Aniket Sharma	Handbook of Sustainable Materials: Modelling, Characterization, and Optimization	Ajay, Parveen, Sharif Ahmad, Jyotsna Sharma, Victor Gambhir	2023	CRC Publication
7	Nanowires for Supercapacitors	S Verma, S Verma, Saurabh Kumar, B Verma	Nanowires: Applications, Chemistry, Materials, and Technologies	Ram K. Gupta	2023	CRC Press
8	Artificial intelligence based Alzheimer's disease detection using deep feature extraction	Manav Nitin Kapadnis, Abhijit Bhattacharyya, Abdulhamit Subasi	Applications of Artificial Intelligence in Medical Imaging	Abdulhamit Subasi	2023	Elsevier Academic Press

### Book Published

Sr. No.	Title of the Book with ISBN	Name (s) of Author (s)	Year of Publication	Publisher
1	Electric Power Systems Resiliency: Modelling, Opportunity and Challenges 0323855369	Ramesh C. Bansal, Manohar Mishra, Yog Raj Sood (Editors)	2022	Academic Press, Elsevier
2	Sustainable Development Framework for Conservation of a Temple Town	Vandna Sharma, Aniket Sharma, N. Pinglashree	2023	LAP Lambert Academic Publishing
3	Tourist Circuit in North East India-Case Of Barak Valley	Puneet Sharma, Anindya Dutta	2022	LAP Lambert Academic Publishing

Workshop / FDP/ STCs

*The Department of Computer Science and Engineering successfully organized a training programme on “Essential Soft Skills” for the participants of Govt. ITI Joginder Nagar during 23 – 27 December 2022.*







### Significant Outreach

S. No.	Name of faculty and Activity	Duration
1.	Dr. Neetu Kapoor, Dr. Puneet Sharma, and Dr. Amanjeet Kaur as Lead trainers for Infant-Toddler- Caregiver friendly Neighborhoods Capacity Building Programme sponsored by NIUA	June 2023
2.	Dr. Puneet Sharma Workshop at sustainable technologies at CES	23-24 Feb 2023
3.	Dr. Vandna Sharma, Evaluator For End Semester Examination, Himachal Pradesh Technical University For Ar-213 History of Architecture -III, AR-323 Ekistics	Dec-22
4.	Prof. Rajeevan Chandel attended Online webinar on ProWriting Aid, organized by Central Library, NIT Hamirpur HP	19 January, 2023
5.	Prof. Rajeevan Chandel delivered an Expert Lecture on “Work and Research Opportunities in VLSI & Semiconductor Industries- Towards Sustainable Society” on 14 Feb 2023 in the 5-day Online Short Term Course (STC) on "Opportunities in Semiconductor industries after B.Tech and M.Tech" organized by Deptt. of Electronics Engineering, NIT Uttarakhand, India	13-17 Feb., 2023
6.	Prof. Rajeevan Chandel delivered an Expert Lecture on “Performance of the Transistors in VLSI Circuits” on 20th Feb 2023 (Monday) in the workshop entitled, "Electronics, Photonics and IC at the 75th Anniversary of Transistor" organized by NIT Delhi, India.	20-25 Feb, 2023

### Media Coverage

## एनआईटी हमीरपुर में आज शुरू होगा स्वच्छता अभियान

हिमाचल दस्ताक ■ हमीरपुर

एनआईटी हमीरपुर ग्रीन कैम्पस, क्लीन कैम्पस और प्लास्टिक फ्री कैम्पस के उद्देश्य से ग्रीन स्वीप-2023 नाम के स्वच्छ भारत मिशन कार्यक्रम में भाग लेगा और स्वच्छ भारत मिशन के साथ प्लास्टिक मुक्त परिसर में भाग लेगा। इसके हिस्से के रूप में सभी संस्थान के छात्र, शिक्षक और कर्मचारी पूरे परिसर में बड़े पैमाने पर सफाई अभियान चलाएंगे। हमीरपुर जिले के उपर्युक्त हेमराज बेरवा, आईएएस और राष्ट्रीय स्तर के संस्थान के निदेशक प्रो. एचएम सूर्यवंशी, विशेष मेहमानों के रूप में भाग लेंगे। यह आयोजन एनआईटी हमीरपुर के स्वच्छ भारत अभियान क्लब द्वारा आयोजित किया जाएगा। छात्र कल्याण के डीन डॉ. अशोक कुमार और स्वच्छ भारत अभियान

क्लब के नोडल अधिकारी डॉ. देवराशोप दास, जो इस कार्यक्रम का निर्देशन करेंगे और इसकी सफलता सुनिश्चित करने के लिए कार्यक्रम की मजबूती करेंगे। स्वच्छता अभियान आज सुबह 10 बजे शुरू होगा और सभी इच्छुक प्रतिभागियों का स्वागत किया जाएगा। मुख्य अतिथियों के साथ, प्रतिभागी प्रकृति को स्वच्छ करने और स्वच्छ भारत के संदेश को बढ़ावा देने के लिए उपकरणों का चयन भी करेंगे। छात्र कॉलेज परिसर की सफाई करेंगे और परिसर के कोने-कोने से प्लास्टिक कचरा इकट्ठा करेंगे। वे परिसर को प्लास्टिक मुक्त बनाने के लक्ष्य के साथ से नो टू प्लास्टिक अभियान भी चलाएंगे। आयोजन के सफल समापन के बाद, आयोजन क्लब के सदस्यों को स्वच्छ भारत के संदेश को फैलाने में उनके प्रयासों के लिए सम्मानित करने के लिए एक समान समारोह आयोजित भी किया जाएगा।

राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर ने मनाया 13वां दीक्षांत समारोह, सिविल इंजीनियरिंग की छात्रा अश्वया राय को निदेशक पदक

## एनआईटी के 1172 छात्रों को बांटी डिग्रियां

दिवा हिमाचल ब्यूरो - हमीरपुर

राष्ट्रीय प्रौद्योगिकी संस्थान (एनआईटी) हमीरपुर ने राष्मिर्षर को अपना 13वां दीक्षांत समारोह मनाया। इस कार्यक्रम के मुख्यातिथि नंद लाल शर्मा अध्यक्ष एवं प्रबंध निदेशक सतलुज जल विद्युत निगम लिमिटेड (एसजेवीएनएल) और विशिष्ट अतिथि प्रो. देवदत्त शर्मा कुलपति सरदार पटेल विश्वविद्यालय, मंडी रहे। प्रो. एचएम सूर्यवंशी निदेशक सहअध्यक्ष बोर्ड ऑफ गवर्नर्स एनआईटी हमीरपुर ने समारोह की अध्यक्षता की। दीक्षांत समारोह में वर्ष 2022 में उत्तीर्ण कुल 1172 छात्रों को डिग्रियां प्रदान की गईं।

कार्यक्रम में लगभग 4488 छात्र और विभिन्न विभागों में 162 संकाय सदस्य हैं। एनआईटी हमीरपुर के छात्रों और शिक्षकों ने पिछले वर्ष प्रतिष्ठित पत्रिकाओं और सम्मेलनों में लगभग 537 शोध पत्र प्रकाशित किए हैं। पिछले वर्ष 37 अनुसंधान परियोजनाओं को विभिन्न अनुसंधान और विकास संगठनों द्वारा वित्त पोषित किया गया है। उन्होंने बताया कि संस्थान के प्रशिक्षण और प्लेसमेंट सेल ने वर्ष 2021-22 में लगभग 165 संगठनों की मेजबानी की और महामारी की चुनौतियों के बावजूद समग्र प्लेसमेंट इंडेक्स लगभग 85 प्रतिशत था।

पदक और 11 कांस्य पदक प्रदान किए सिविल इंजीनियरिंग की छात्रा अश्वया राय को उनकी उपलब्धियों के लिए वर्ष 2022 के सर्वश्रेष्ठ ऑलराउंडर छात्र के रूप में निदेशक पदक से सम्मानित किया गया। वर्तमान में संस्थान में विभिन्न स्नातक और स्नातकोत्तर

## छात्रा के रूप में मिला निदेशक पदक

एनआईटी हमीरपुर के दीक्षांत समारोह में 1,172 विद्यार्थियों को प्रदान की गई डिग्रियां

संवाद न्यूज एजेंसी

हमीरपुर। राष्ट्रीय प्रौद्योगिकी संस्थान (एनआईटी) हमीरपुर ने दीक्षांत समारोह में 1,172 छात्रों को डिग्रियां प्रदान कीं। निदेशक पदक से सम्मानित छात्रा अश्वया राय को निदेशक पदक से सम्मानित किया गया।



एनआईटी हमीरपुर में दीक्षांत समारोह के दौरान छात्रों को डिग्रियां प्रदान करते हुए निदेशक पदक से सम्मानित छात्रा अश्वया राय को निदेशक पदक से सम्मानित किया गया।

36 को स्वर्ण, 11 को रजत और 11 डिग्रियां को कांस्य पदक दिए गए।

छात्रा के रूप में निदेशक पदक से सम्मानित किया गया। कार्यक्रम एनआईटी हमीरपुर के निदेशक प्रो. एचएम सूर्यवंशी ने संस्थान के बारे में विस्तृत प्रस्ताव की। उन्होंने कहा कि संस्थान के प्रशिक्षण और प्लेसमेंट सेल ने वर्ष 2021-22 में करीब 165 संगठनों को मेजबानी की। एनआईटी

## एनआईटी में 1172 छात्रों को बांटी डिग्रियां

36 मेधावियों को स्वर्ण; 11 को रजत व 11 को प्रदान किए कांस्य पदक

हिमाचल दस्ताक ■ हमीरपुर

राष्ट्रीय प्रौद्योगिकी संस्थान (एनआईटी) हमीरपुर ने दीक्षांत समारोह में 1,172 छात्रों को डिग्रियां प्रदान कीं। निदेशक पदक से सम्मानित छात्रा अश्वया राय को निदेशक पदक से सम्मानित किया गया।

मुख्य अतिथि नंद लाल शर्मा ने छात्रों को दी डिग्रियां

मुख्य अतिथि नंद लाल शर्मा ने छात्रों को दी डिग्रियां

मुख्य अतिथि नंद लाल शर्मा ने छात्रों को दी डिग्रियां

## एनआईटी को अपशिष्ट प्रबंधन परियोजना के लिए 41 लाख रुपये का मिला अनुदान

संवाद न्यूज एजेंसी

हमीरपुर। राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर में ऊर्जा अध्ययन केंद्र को स्वच्छता कार्य योजना के तहत शिक्षा मंत्रालय से 41.04 लाख रुपये का परियोजना अनुदान प्राप्त हुआ है। यह योजना आम जनता के दैनिक जीवन में स्वच्छता को मुख्य धारा में लाने के लिए भारत सरकार की एक पहल है। परियोजना की प्रधान अन्वेषक डॉ. ममता अवस्थी की ई-अपशिष्ट प्रबंधन में उनकी अर्थव्यवस्था के लिए तीन वर्ष की अवधि के लिए परियोजना अनुदान स्वीकृत किया गया है। परियोजना

स्वच्छता कार्य योजना के तहत शिक्षा मंत्रालय से मिली राशि उद्योगों से उत्पन्न ई-कचरा समाज के लिए एक बड़ी चुनौती

की प्रधान अन्वेषक डॉ. ममता अवस्थी ने परियोजना के लक्ष्य के बारे में जानकारी दी। ई-कचरा प्रबंधन के लिए एक स्केलेबल लघु-स्तरीय व्यवसाय मॉडल, एक गहन शिक्षण प्रणाली और एनआईटी हमीरपुर में एक बाजार शृंखला को विकसित करना है। डॉ. अवस्थी ने कहा कि उद्योगों

और व्यक्तियों द्वारा उत्पन्न ई-कचरा या इलेक्ट्रॉनिक कचरा हमारे समाज के लिए एक बड़ी चुनौती है। ई-कचरा का खराब प्रबंधन हमारे पर्यावरण के लिए खतरनाक होने के साथ-साथ मानव स्वास्थ्य को नुकसान पहुंचा रहा है और मानव निर्मित जलवायु परिवर्तन में योगदान दे रहा है। इसलिए परियोजना का उद्देश्य ई-कचरा प्रबंधन के लिए एक छोटे पैमाने पर स्केलेबल बिजनेस मॉडल को कम करने, पुनः उपयोग और रिसाइकलिंग के माध्यम से विकसित करना है। इसमें रोजगार सृजन और चक्रवी अर्थव्यवस्था में योगदान की क्षमता है।

दैनिक भास्कर हिमाचल 12-11-2022

## एनआईटी के ऊर्जा अध्ययन केंद्र को मिली 41.04 लाख रुपए राशि

स्वच्छता कार्य योजना के तहत मिला यह अनुदान

भारत न्यूज | हमीरपुर

राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर के ऊर्जा अध्ययन केंद्र को स्वच्छता कार्य योजना के तहत शिक्षा मंत्रालय से 41.04 लाख रुपए का परियोजना अनुदान मिला है। डॉ. ममता अवस्थी को ई-अपशिष्ट प्रबंधन में उनकी परियोजना के लिए तीन वर्ष की अवधि के लिए परियोजना अनुदान स्वीकृत किया गया है।

परियोजना की प्रधान अन्वेषक डॉ. अवस्थी ने परियोजना लक्ष्य के बारे में जानकारी दी। उन्होंने कहा कि धीराएसएस के माध्यम से ई-कचरा प्रबंधन के लिए एक स्केलेबल लघु-स्तरीय व्यवसाय मॉडल, एक गहन शिक्षण प्रणाली और एनआईटी हमीरपुर में एक बाजार शृंखला विकसित करना है। डॉ. अवस्थी के अनुसार, उद्योगों और व्यक्तियों द्वारा उत्पन्न ई-कचरा या इलेक्ट्रॉनिक कचरा, हमारे समाज के लिए एक



### NIT Hamirpur में पूर्व छात्र सम्मेलन के साथ सिल्वर जुबली रीयूनियन का उद्घाटन, 25 वर्षों के बाद एनआईटी पहुंचे पूर्व-छात्र



June 23, 2023 & Priyanka, Alumni Meet, Dainik Savera News, Dainik Savera No 1 News, Dainik Savera TV News, Himachal News, Latest News, NIT Hamirpur, Silver Jubilee Reunion Inaugurated.



JVN के एमडी नंदलाल शर्मा को सम्मानित करते हुए संस्थान के डायरेक्टर HM सूर्यवंशी

### NIT हमीरपुर बना ऑल इंडिया चैंपियन: इंटर फैकल्टी स्टाफ बैडमिंटन, टेबल टेनिस और शतरंज टूर्नामेंट 2022 के ओवर ऑल विजेता घोषित



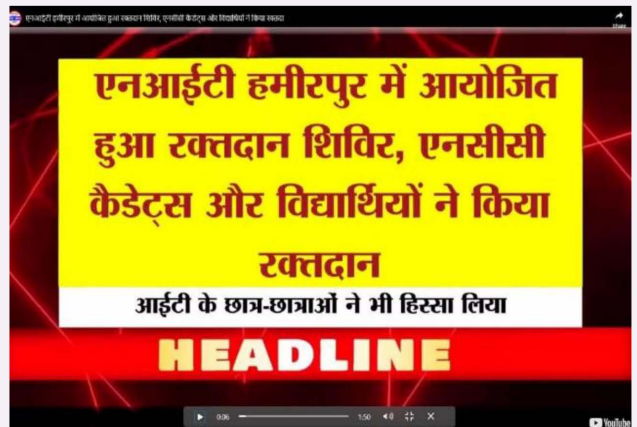
विजेता खिलाड़ी सम्मान हासिल करने के बाद मुख्य अतिथि के साथ



अलग-अलग इवेंट में जीती गई ट्रॉफीयों के साथ खिलाड़ी



सभी विजेता खिलाड़ी सामूहिक रूप में मुख्य अतिथि के साथ





### हमीरपुर के राष्ट्रीय प्रौद्योगिकी संस्थान में दीक्षांत समारोह: 1172 स्टूडेंट्स को बंटी उपाधियां, 2022 की सर्वश्रेष्ठ ऑल राउंडर छात्रा बनी आस्था राय



SIVN के एमडी नंदलाल शर्मा होनहार स्टूडेंट को सम्मानित करते हुए मख्य अतिथि।



विश्व प्रौद्योगिकी की श्रेष्ठ अन्वयिका।

#### NIT, IIT sign MoU for collective research

HAMIRPUR, SEPTEMBER 29 National Institute of Technology, Hamirpur, and Indian Institute of Technology, Mandi, signed a Memorandum of Understanding (MoU) for collective academic and scientific research here today.

Laxmidhar Behera, Director of IIT Mandi, and Hiralal Muri idhar - Suryawanshi, Director of NIT Hamirpur signed the MoU.

The MoU director said that the MoU would enable undergraduate students to carry out their studies and research work in joint consultation with the faculty of both the institutions.

He said that the faculty would also share academic knowledge and jointly publish research papers. The agreement would also enhance the quality of technical education in the institutions. The IIT director apprised students about the ongoing research in the field of robotics and drone technologies at his institution.

Satinder Sharma, Dean Faculty Welfare at IIT Mandi; Vinod Kumar, Registrar at NIT Hamirpur, Subhash Chand, Dean Research and Consultancy; Ram Nareish Sharma; Pardeep Kumar, Dean Academics; Naveen Chauhan, Dean Students' Welfare; and Gaurav Yadav, Assistant Registrar, were also present. — OC

### NIT हमीरपुर व IIT मंडी के बीच साइन हुआ MOU, जानिए क्या है मकसद



समझौता साइन पर हस्ताक्षर करते हुए NIT हमीरपुर और IIT मंडी के डायरेक्टरों के अलावा फैकल्टी के सदस्य।

राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर व भारतीय प्रौद्योगिकी संस्थान मंडी के बीच समझौता साइन हुआ। इस अवसर पर भारतीय प्रौद्योगिकी संस्थान मंडी के निदेशक प्रोफेसर लक्ष्मीधर बेहरा एवं राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर के निदेशक...

**हमीरपुर (राजीव):** राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर व भारतीय प्रौद्योगिकी संस्थान मंडी के बीच समझौता साइन हुआ। इस अवसर पर भारतीय प्रौद्योगिकी संस्थान मंडी के निदेशक प्रोफेसर लक्ष्मीधर बेहरा एवं राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर के निदेशक प्रोफेसर हीरालाल, मुरलीधर सूर्यवंशी ने समझौता साइन हस्ताक्षरित किया। समझौते के अंतर्गत दोनों संस्थानों के बीच शैक्षणिक अनुसंधान कार्यशाला और वैज्ञानिक सम्मेलनों का संयुक्त रूप से आयोजन किया जा सकेगा। इस समझौते के तहत दोनों संस्थानों के स्नातक एवं स्नातकोत्तर छात्र अपने अध्ययन एवं शोध कार्य को दोनों संस्थानों के शिक्षकों के संयुक्त परामर्श से कर सकेंगे।

इसके अतिरिक्त शिक्षक अपनी अकादमिक जानकारी का आदान-प्रदान एवं शोध पत्रों का संयुक्त रूप से प्रकाशन कर सकेंगे। इस अवसर पर भारतीय प्रौद्योगिकी संस्थान मंडी के निदेशक ने संस्थान के सभागार में छात्रों को संबोधित किया। इस समझौते के दौरान भारतीय प्रौद्योगिकी संस्थान मंडी के डीन फैकल्टी वेलफेयर प्रो. सत्येंद्र शर्मा व राष्ट्रीय प्रौद्योगिकी संस्थान के कुलसचिव प्रो. विनोद कुमार, प्रभारी डीन टिसर्व एंड कंसल्टेंसी प्रो. सुभाष चंद, डीन अकादमिक प्रो. राम नरेश शर्मा, डीन छात्र कल्याण प्रो. प्रदीप कुमार, एसोसिएट डीन टिसर्व एवं कोलेकोऑर्डेशन डॉ. नवीन चौहान एवं सहायक कुलसचिव टिसर्व एंड कंसल्टेंसी गौरव यादव उपस्थित रहे।

संस्थान पत्रिका

# उत्क्रांत

संस्करण 13, अंक 1

संभव की सीमा जानने का एक ही तरीका है, असंभव से भी  
आगे निकल जाना।

~ स्वामी विवेकानंद

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