The Newsletter

Prajwalam

Indian Institute of Technology Ropar

VOLUME 13 | ISSUE II | JULY TO DECEMBER 2024

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DIRECTOR'S MESSAGE

As we conclude another impactful semester at IIT Ropar, I am delighted to share the progress and milestones we have achieved in the latter half of 2024. This period has been defined by significant advancements in research, innovation, international collaboration, and academic excellence, underscoring our Institute's commitment to shaping a sustainable and technologically empowered future.

A major highlight was the inauguration of the Centre for Australia-India Relations (CAIR), enhancing our global academic footprint. Our designation as a Centre of Excellence for AI in Agriculture reflects national recognition of our research strength and relevance. Numerous impactful MoUs were signed with institutions like Coventry University, RGNAU, FDDI, and state governments—expanding our influence across domains such as AI, aviation, infrastructure, and defense.

One of the most memorable events of the year was the celebration of our 13th Convocation Ceremony, a proud milestone for the Institute. We had the privilege of hosting Mr. Sanjiv Mehta, former Chairman and Managing Director of Hindustan Unilever Limited, as the Chief Guest. His thought-provoking address inspired graduates and attendees alike, emphasizing the values of ethical leadership, innovation, and societal impact—ideals that closely align with our institutional mission.

Our faculty and students have continued to make us proud, earning numerous awards, fellowships, and international scholarships. The launch of the state-of-the-art Dr. Ranbir Singh Tinkerers' Lab and the sustained excellence of iHub-AWaDH in winning national awards have further reinforced our focus on practical innovation and entrepreneurship.

We also made strides in sustainability and inclusivity through cleanliness drives, plantation initiatives, and the "Ek Ped Maa Ke Naam" campaign.

I extend my heartfelt appreciation to our dedicated faculty, enthusiastic students, diligent staff, and supportive alumni and partners. Your contributions are the foundation of our success. As we look forward, IIT Ropar remains steadfast in its mission to lead through innovation, collaboration, and social responsibility.

Prof. Rajeev Ahuja
Director, IIT Ropar

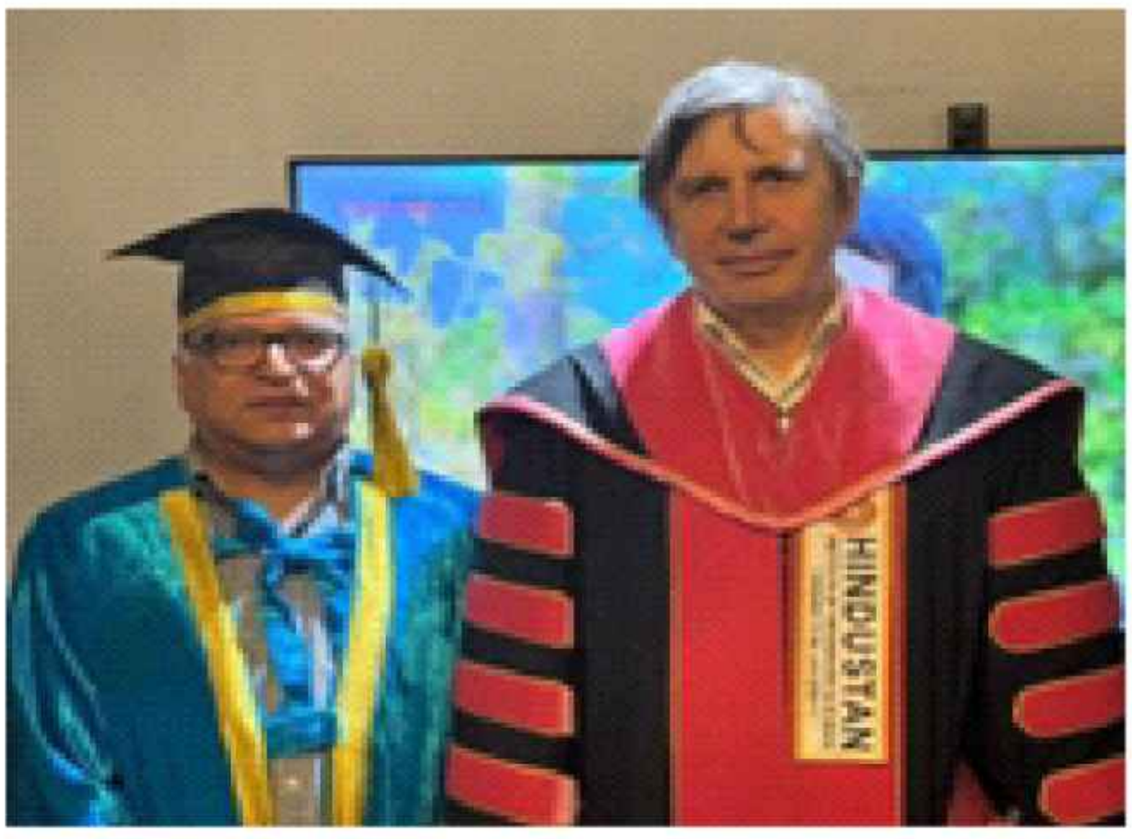
EVENTS & ACTIVITIES

IIT Ropar Inaugurates CAIR to Advance Australia-India Research Collaboration

The Joint Centre for Australia-India Relations (CAIR) was officially inaugurated at IIT Ropar, funded by the Australian Government under the prestigious Maitri Research Grant. This milestone strengthens bilateral collaboration in sustainable development and the commercialization of advanced manufacturing technologies. Under CAIR, IIT Ropar and industry partner SPEE3D will collaborate to revolutionize metal 3D printing in India using cold spray technology. The Centre will also focus on waste utilization technologies, reinforcing its commitment to sustainability. The initiative marks a significant advancement in Australia-India scientific ties. Congratulations to the lead investigators: Prof. Harpreet Singh (IIT Ropar), Prof. Suresh Palanisamy, and Dr. Malkeet Singh (Swinburne University of Technology).

Director IIT Ropar Chaired Panel with Nobel Laureate on Graphene

Professor Rajeev Ahuja, Director of IIT Ropar, was honored to have met Nobel Laureate Professor Andre Geim at Hindustan Institute of Technology, Chennai. He chaired a panel discussion on graphene applications in aerospace and defense, joined by Professor Geim. The event, hosted by Hindustan Institute, highlighted graphene's transformative potential, and reinforced IIT Ropar's commitment to scientific collaboration and innovation.



Chemical Engineering Academia-Industry Interaction (CHaI-24) –

The Chemical Engineering department conducted its first industry connect program on 19th October 2024, graced by dignitaries from nine different companies. All dignitaries held senior positions and possessed more than two decades of industrial experience. This one-day flagship event was organized to increase the department's visibility and showcase the technical expertise available within. The interaction also provided direct engagement between students and industry experts. Besides the routine Q&A sessions at the end of each panel discussion, an exclusive evening high tea session was arranged for informal interactions among students, faculty, and industry representatives. This session was well attended by students, who took the opportunity to clarify doubts and gain insights directly from experts. This program is expected to enhance internship and placement opportunities while broadening the horizons of the chemical engineering student community.

Advancing Hydrogen Education: 2024 Energy Mentors Internship Program by CREED

Dr. Asad Sahir, in collaboration with Dr. Dhiraj Mahajan and Mr. Don Victory from the Center for Research on Energy Efficiency and Decarbonization (CREED), successfully organized the 2024 Energy Mentors Internship Program. The program provided virtual training on hydrogen technologies to over 60 students from diverse academic backgrounds, equipping them with advanced knowledge and practical insights in this emerging field.

Yusuf Hamied Chemistry Camp at IIT Ropar

The Royal Society of Chemistry (RSC), in collaboration with IIT Ropar, organized a three-day residential Yusuf Hamied Chemistry Camp from July 18–20, 2023 at the Department of Chemistry, IIT Ropar. The camp engaged Grade IX students from government schools across Ropar and Punjab, offering them hands-on exposure to the wonders of chemistry through interactive sessions and experiments.

IIT Ropar Participated in KISEM Annual Meet 2024 at IIT Bombay

The KISEM team from IIT Ropar participated in the KISEM Annual Meet 2024, hosted by the Industrial Energy Assessment Cell (IEAC) at IIT Bombay. The event convened KISEM teams from seven IITs, facilitating the presentation of annual reports and productive discussions on energy initiatives and collaborative efforts

IIT Ropar celebrated 13th Convocation

The 13th Convocation of IIT Ropar was celebrated with pride and honor. Graced by Mr. Sanjiv Mehta, former Chairman and CEO of Hindustan Unilever Ltd., the occasion was enriched by his insightful address. Presided over by Mr. Adil Zainulbhai, Chairman, and Prof. Rajeev Ahuja, Director, the ceremony reflected the institute's continued commitment to excellence. Degrees were conferred upon 601 students, including 342 B.Tech, 57 M.Sc, 150 M.Tech, 40 PhDs, and 12 Dual Degree graduates. Achievements were recognized, efforts applauded, and sincere gratitude was extended to all faculty, staff, and guests for their invaluable support.

78th Independence Day

Independence Day was celebrated with great enthusiasm and patriotic fervor at IIT Ropar. The event began with the hoisting of the national flag, followed by the singing of the national anthem. Faculty, staff, and students came together to honor the sacrifices of our freedom fighters and reflect on the values that define our nation.Speeches highlighting the significance of freedom, unity, and progress were delivered, inspiring everyone to contribute meaningfully to the nation's development. Cultural performances and patriotic songs added vibrancy to the celebration. The institute reaffirmed its commitment to excellence in education, research, and innovation. The day served as a powerful reminder of our collective responsibility to build a brighter and stronger India.

Swachh Bharat Mission 2024 Initiatives at IIT Ropar

As part of the Swachh Bharat Mission 2024, IIT Ropar organized a series of impactful initiatives promoting cleanliness and environmental awareness. A cleanliness drive was held on September 16, 2024, starting from the institute's main gate, during which the outskirts and boundary walls of the campus were thoroughly cleaned. This was followed by a Mega Cleanliness Rally that brought together housekeeping staff, security personnel, students, and volunteers to raise awareness about hygiene and environmental responsibility, highlighting the importance of collective community action. Additionally, a Plantation Drive under the "Ek Ped Maa Ke Naam" initiative took place on September 25, 2024, with around 250 trees planted in the presence of esteemed dignitaries including Sh. K. Sanjay Murthy, Secretary, Ministry of Education, and Prof. Rajeev Ahuja, Director, IIT Ropar. The active participation of the IIT community in all these events reflects a strong commitment toward a cleaner, greener, and healthier India. Sincere thanks are extended to all who contributed to these meaningful efforts.

Vigilance Awareness Week 2024: Capacity-Building Program Conducted at IIT Ropar

A Capacity-building Program on 'Conduct Rules' and 'e-Procurement' was successfully organized during Vigilance Awareness Week 2024 at IIT Ropar. The program, aimed at empowering new inductees and mid-to-senior-level employees, featured expert sessions by Sh. Krishna Mohan (Former Addl. Chief Secretary and Home Secretary Haryana) and Dr. Parmod Kumar Kalia (Former General Manager, Punjab Urban Planning & Development Authority). Committed to promoting integrity and transparency, IIT Ropar continues to foster a vigilant and accountable community.

IIT Ropar Designated Centre of Excellence for AI in Agriculture

IIT Ropar has been selected as one of three Centres of Excellence (CoE) in Artificial Intelligence under the Ministry of Education's flagship initiative. Designated as the CoE for AI in Agriculture, IIT Ropar will lead efforts to innovate sustainable and efficient farming through advanced AI technologies. The initiative also includes AIIMS Delhi as the CoE for AI in Healthcare and IIT Kanpur for AI in Sustainable Cities. The launch event was inaugurated by Shri Dharmendra Pradhan, Hon'ble Minister of Education, emphasizing AI's transformative impact across sectors.

IIT Ropar Cyclists Complete 1120 km ride promoting sustainability

Dr. Dinesh Siddaiah (Officiating Registrar & Librarian), Mr. Abhishek Kumar (Alumnus, IIT Ropar, BOSCH), and Mr. Aditya Kumar Sahu (Student Council President) successfully completed a 1120 km cycling journey from IIT Ropar to IIT Jodhpur via Jaisalmer in 7.5 days. The ride, themed "Ride, Reduce, and Revive (RRR) – Pedal for a Sustainable Future," aimed to raise awareness about environmental sustainability and eco-friendly alternatives. IIT Ropar applauds their dedication and hopes this initiative inspires others to contribute toward a greener future.

IIT Ropar Launches Advanced Tinkerers' Lab to Boost Student Innovation

The Indian Institute of Technology Ropar inaugurated the Dr. Ranbir Singh Tinkerers' Lab, a state-of-the-art, 24/7 accessible maker space funded by the Maker Bhavan Foundation through a generous donation by philanthropist Dr. Ranbir Singh. The lab provides students with advanced tools and technology to tinker, build, and innovate beyond academic hours. Dr. Ranbir Singh, honorary IIT alumnus, expressed his vision of empowering youth to transform ideas into reality, while IIT Ropar Director Prof. Rajeev Ahuja highlighted the lab's role in promoting practical learning and innovation. This initiative marks a significant advancement in STEM education, equipping future engineers with the skills and environment needed to drive technological progress.

RESEARCH & INNOVATIONS

Dr. Anupam Bandyopadhyay and his team have developed a novel boronopeptide-based combination therapy for effective lung cancer treatment, demonstrated in vitro.

AWARDS AND RECOGNITIONS

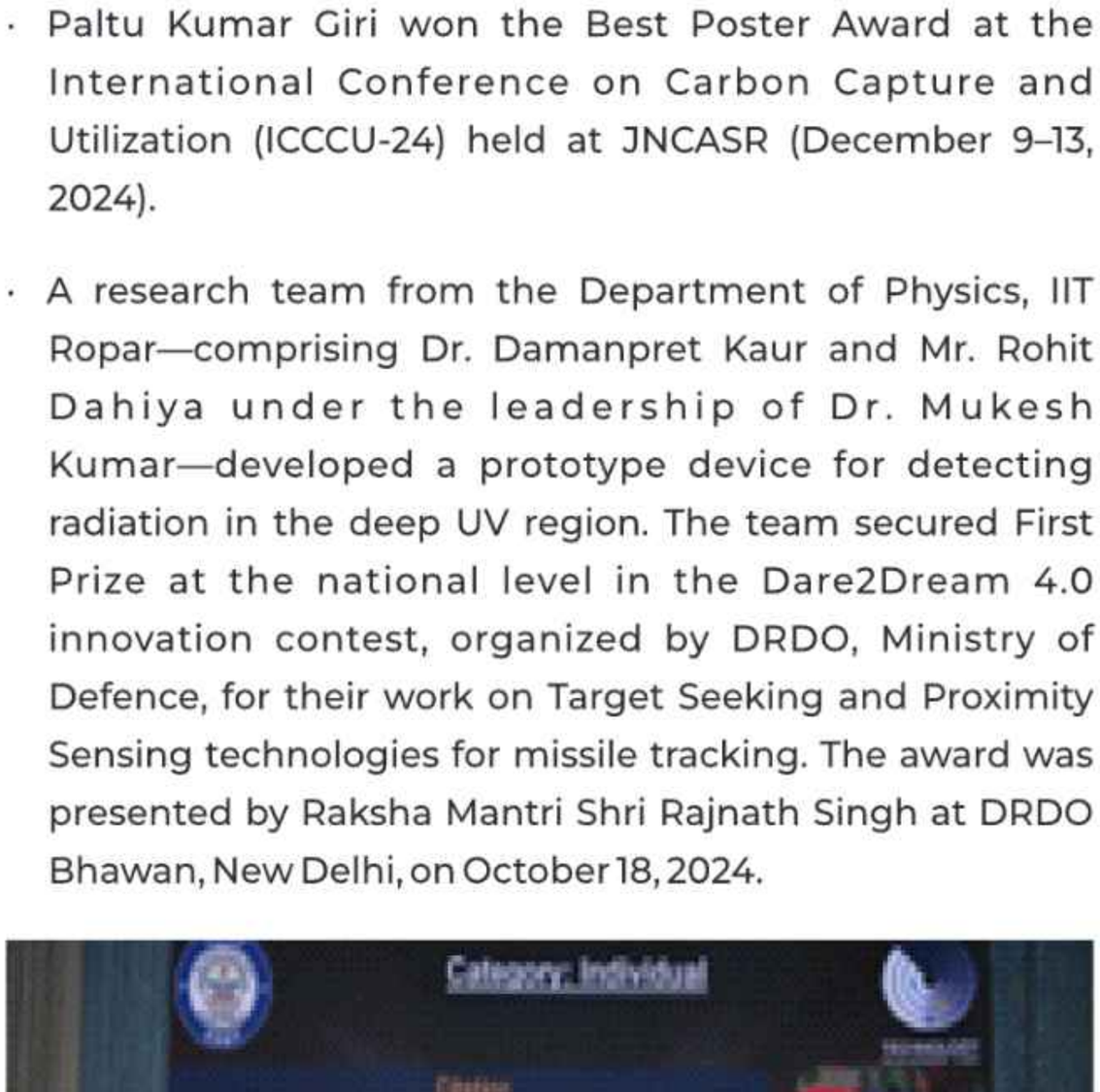
FACULTY

- On November 10, 2024, Dr. Putul Haldar was honored with the "Outstanding Woman Structural Engineer Award 2023" by the Indian Association of Structural Engineers (IAStructE).
- Dr. Raheena M has been conferred the Outstanding Article Award for 2023 by the Geotechnical Testing Journal, ASTM International, on October 29, 2024.
- Dr. Neha Sardana recognized as Outstanding Researcher in Metallurgical and Materials Engineering at the 10th Venus International Research Awards (VIRA) 2024 on December 12, 2024.

STUDENTS

- Pranav Johri and Aritra Das has been awarded the Grid-India Power System Award (GIPSA) 2024–25 in the Doctoral Category for his outstanding research in power systems.
- Annima Gupta received the Ned Mohan's Memorial Student Travel Award to attend the Power Electronics, Drives, and Energy Systems (PEDES) Conference at NIT Surathkal.
- Nidhi Sharma received the IEEE WinTechCon Award 2024 in the Research Scholars Category, awarded by the IEEE Circuits and Systems (CAS) and Women in Engineering Bangalore Chapter. She also secured the Third Prize in the 2024 National Innovation and Entrepreneurship Competition held in Taiwan, recognizing her innovative research and entrepreneurial potential.
- Shiv Kumar received the IEEE student trant grant of USD 400 from IEEE ComSoc to attend IEEE Middle East Conference on Communications and Networking (MECOM)-2024 at Khalifa University, Abu Dhabi (UAE) from 17-20 November, 2024 to present his two accepted papers, 1) ``Performance Analysis of RIS-assisted Full Duplex Two Way NOMA using iFBL and FBL codes" and 2) ``Polarised-decoupling for STAR-RIS assisted Dual Serve''. Supervisor:- Dr. Brijesh Kumbhani.
- Sonam Garg and Priya Jain were awarded the prestigious CIMPA fellowship, recognizing their outstanding contributions to mathematics. Additionally, Tanvir Kaur received the Springer Best Presentation Award at CALDAM 2024, held at IIT Bhilai.
- Several faculty members have secured projects funded by the Bharat 6G Mission, Department of Telecommunications (DoT), including Dr. Sam Darshi (₹1.0 Cr), Dr. Brijesh K. (₹0.75 Cr), Dr. Satyam Agarwal (₹3.0 Cr), Dr. Ashwani Sharma (₹2.75 Cr), and Dr. Devarshi Das (₹1.10 Cr). Additionally, Ranjana Sodhi received the Best Paper Award at IEEE SeFet 2024, Hyderabad, for her work titled "Cluster-Wise Response Aggregation-Based Differentially Private Pool Energy Market Model."
- In Department of Electrical Engineering Ridhima received the IEEE WIE Women in Engineering Diversity and Inclusion Award at the IEEE COINS Conference 2024 held at King's College London, UK. Rahul Gond won the INUP Hackathon prize at the User's Meet organized by the Indian Nanoelectronics Users' Programme (INUP-i2i) in association with MeitY on August 10, 2024. Subal Beura and Amit Kumar secured first place in the Power System Cybersecurity Hackathon 2024, hosted by the Department of Water Resources Development and Management (WRD&M) at IIT Roorkee on October 14-15, 2024. Annima Gupta was honored with the Professor Ned Mohan Memorial Student Travel Award to attend PEDES 2024. Shiv Kumar received the IEEE Student Travel Grant to attend the IEEE MECOM 2024 conference in Abu Dhabi, UAE from November 17-20, 2024. Pratik Kalkal was awarded International Travel Support from ANRF to participate in the 50th Annual IEEE Industrial Electronics Society Conference (IECON 2024) in the USA.
- Pragya Singh, a doctoral scholar, received the Digital Green Talents – High Potentials in Sustainable Development Award from the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung). In July 2024, Sukriti Sharma and Bhawna Chauhan were awarded the Society of Women Engineers India Scholarship for 2024-2025. Additionally, Pragya Singh received a Scholarship and Travel Grant under the Sustainability Ambassadors Global Exchange Program in the same month.
- Pooja Chahal received the SERB Travel Grant to present her research at the Gordon Research Conference (GRC) on Molecular Interactions and Dynamics held at Stonehill College, MA, USA (July 7–12, 2024).
- Arzoo Chauhan won the Best Poster Award at the National Conference on Catalysis for Energy, Environment & Sustainability, IICT Hyderabad (September 18–20, 2024).
- Hrishikesh Paul was awarded the Best Poster Award at the XIX J-NOST 2024 organized by the National Organic Symposium Trust at IIT Gandhinagar (October 7–9, 2024).

- Apoorv Kushwaha secured 1st Prize in a quiz competition during the National Space Mission event at IIT Ropar (August 10, 2024).
- Arun Sharma received the Best Poster Award at the International Conference on Emerging Materials for Sustainable Development (EMSD 2024), jointly organized by NABI, Mohali & Punjab Engineering College, Chandigarh (July 2024).
- Rakesh Kumar was honored with the NOST-Anthem Biosciences Best Thesis Award 2024, conferred by the National Organic Symposium Trust (NOST).
- Paltu Kumar Giri won the Best Poster Award at the International Conference on Carbon Capture and Utilization (ICCCU-24) held at JNCASR (December 9–13, 2024).
- A research team from the Department of Physics, IIT Ropar—comprising Dr. Damanpret Kaur and Mr. Rohit Dahiya under the leadership of Dr. Mukesh Kumar—developed a prototype device for detecting radiation in the deep UV region. The team secured First Prize at the national level in the Dare2Dream 4.0 innovation contest, organized by DRDO, Ministry of Defence, for their work on Target Seeking and Proximity Sensing technologies for missile tracking. The award was presented by Raksha Mantri Shri Rajnath Singh at DRDO Bhawan, New Delhi, on October 18, 2024.



- Mr. Gaurav Bassi won the Best Poster Award at the E-MRS 2024 Fall Meeting, held from September 16–19, 2024 at the Warsaw Institute of Technology, Warsaw, Poland. His poster, titled "Large Area and High-Performance Broadband Photodetector Based on PtS_2/MoS_2 Heterostructure," was recognized for its excellence in advancing optoelectronic device research.

Shastri Alberta Students in India (SASI) Project 2024–25 at IIT Ropar

As part of the Shastri Alberta Students in India (SASI) Project 2024–25, conducted in collaboration with the Shastri Indo-Canadian Institute (SICI), IIT Ropar hosted two students from Canada for summer research internships between July and August 2024.

- Ms. Ayushi Anand, from the University of Alberta, successfully completed her internship project titled "Treatment of Wastewater Containing Emerging Contaminants using Advanced Oxidation Processes" under the mentorship of Dr. Sarang Gumfekar, Department of Chemical Engineering.
- Mr. Gurbir Virk, from the Southern Alberta Institute of Technology, worked on a project titled "Designing Novel Thermal Interface Materials for the Thermal Management of Electronics" under the guidance of Dr. Prabhat Agnihotri, Department of Mechanical Engineering.

This collaboration reflects IIT Ropar's ongoing commitment to fostering international academic exchange and promoting cross-border research engagement.

Taiwan Scholarship & Huayu Enrichment Scholarship 2024–25

We are proud to announce that four students from IIT Ropar have been selected for prestigious international scholarships under the Taiwan Scholarship and Huayu Enrichment Scholarship programs for the academic year 2024–25.

Taiwan Scholarship

Two outstanding students have been awarded the Taiwan Scholarship to pursue their Master's studies in Taiwan:

- Ankur Bharali (Department of Mechanical Engineering) will pursue a Master's in Mechanical Engineering at Southern Taiwan University of Technology.
- Anivesh Singh Gurjer (Department of Computer Science & Engineering) will pursue a Master's in Computer Science at National Yunlin University of Science and Technology.

Huayu Enrichment Scholarship

Additionally, two B.Tech students have been selected for the Huayu Enrichment Scholarship, allowing them to study a Chinese language course at Duke Kunshan University during June–July 2024:

- Charwak Bhushan Ambade (Department of Materials Engineering)
- Samir P Salim (Department of Computer Science & Engineering)

These achievements highlight the global academic engagement and excellence of IIT Ropar's students. We extend our heartfelt congratulations and best wishes to all the selected scholars.

MoU SIGNING

Collaboration with Coventry University on AI and Machine Learning

IIT Ropar signed a MoU with Coventry University, UK, on 20 September 2024 to collaborate on research and education in Artificial Intelligence (AI) and Machine Learning (ML). The partnership aims to establish a Joint Centre of Excellence in Applied AI and Data Science, and to promote joint R&D projects, dual PhD programs, faculty and student exchanges, and industry collaborations in the AI/ML domain.

Memorandum of Understanding Signed with Metharath University, Thailand

IIT Ropar signed an MoU with Metharath University, Thailand, in September 2024 to foster collaboration in research, academics, and related areas.

Collaboration between IIT Ropar and HP PWD to foster innovation in state infrastructure

IIT Ropar collaborated with the Himachal Pradesh Public Works Department (HP PWD) to host a two-day workshop and monitoring conference, inaugurated by Hon'ble Minister Shri Vikramaditya Singh, IIT Ropar Director Prof. Rajeev Ahuja, and HP PWD Engineer-in-Chief Shri N.P. Singh. A key proposal included establishing a PWD Innovation Hub in Shimla to enable IIT Ropar's faculty, students, and startups to address regional infrastructure challenges through technology and innovation. Prof. Ahuja highlighted IIT Ropar's commitment to academic-industry partnerships aimed at sustainable infrastructure development. The event featured presentations and discussions among HP PWD officials, IIT Ropar faculty, researchers, and students on current projects and innovative solutions. This collaboration represents a significant step in applying academic research to real-world infrastructure development in Himachal Pradesh.

IIT Ropar collaborates with SSR Global Skills Park to Establish Drone Technology Centre of Excellence in Bhopal

IIT Ropar has signed an MoU with SSR Global Skills Park, Government of Madhya Pradesh, to establish a Centre of Excellence (CoE) in Drone Technology in Bhopal. Signed in August 2024, in the presence of MSME Minister Sh. Chetanya Kashyap and Skill Development Minister Sh. Gautam Tetwal, the CoE will focus on drone development, training, application innovation, and support for start-ups. With ₹10 crore in funding, it aims to strengthen India's drone ecosystem, boost employment, and advance research and entrepreneurship in the region

IIT Ropar and RGNAU Join Hands to Advance Innovation in Aviation

IIT Ropar has signed an MoU with Rajiv Gandhi National Aviation University (RGNAU) to promote collaboration in aviation and related fields. This partnership aims to drive innovation, integrate advanced research, and support capacity building in India's aviation sector.

IIT Ropar and FDDI Collaborate for Innovation in Footwear Technology

IIT Ropar has signed an MoU with the Footwear Design & Development Institute (FDDI), Government of India, to strengthen R&D and foster innovation in indigenous, futuristic footwear technology. The collaboration emphasizes joint research, product development, testing, branding, and commercialization through a multidisciplinary approach.

IIT Ropar's CoE-SARDS Partners with Almerio Defence & Aerospace for Advanced Defense Innovation

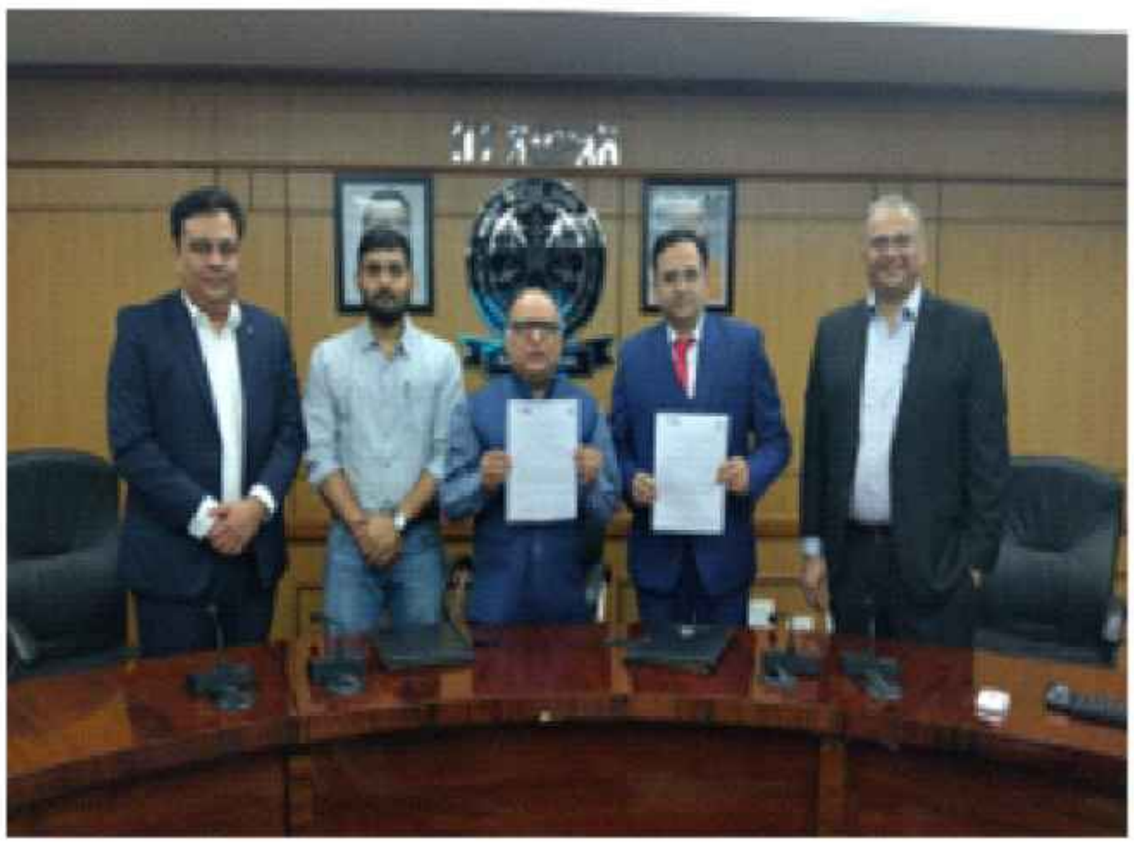
The CoE-SARDS at IIT Ropar signed an MoU with Almerio Defence & Aerospace LLP on November 23, 2024, to jointly develop advanced defense technologies. The collaboration will focus on blast-proofing, ballistic protection, high-energy materials, and nuclear safeguards, with IIT Ropar contributing AI-driven robotics and technological expertise.

IIT Ropar Partners with Ansys to Advance Simulation-Driven Research and Innovation

Indian Institute of Technology Ropar has entered into an academic collaboration with Ansys to promote research and training in areas such as electronic packaging, reliability, and semiconductors. The partnership aims to integrate simulation tools into engineering and scientific domains. The initiative was led by Prof. Rajeev Ahuja, Director, IIT Ropar, with key contributions from Dr. Rohit Sharma and Dr. Atharva Poundarik, alongside active faculty engagement

Strategic MoU Between IIT Ropar and WIL to Advance Critical Defence Technologies

IIT Ropar has signed an MoU with Walchandnagar Industries Limited (WIL) to collaborate on the research, development, and indigenization of advanced defence, nuclear, and aerospace technologies. This partnership leverages IIT Ropar's technical expertise and WIL's century-old industrial experience to support the armed forces. The agreement also includes mentorship for defence start-ups and mutual exchange of technical knowledge.



ALUMNI AFFAIRS

Student-Alumni Meet in Bangalore

Student-alumni meet was held in Bangalore on June 29th, 2024, at Halcyon Residences. This event was dedicated to reconnecting,reminiscing, and celebrating the memories created by alumni. Alumni shared their entrepreneurship journeys and experiences, including the challenges faced in starting businesses with each other and with the students.

Alumni Meet 2024

To strengthen the bond between alumni and our institution, various activities are jointly organized by the International Relations Alumni Affairs and the Alumni Association. It was organized by the Institute on 28th September, 2024. The event served as a platform to reminisce about their experiences at IIT Ropar. These events and activities, we aim to create a collaborative environment where alumni can contribute to the growth and success of both current students and the Institut

CONFERENCES/WORKSHOPS

High-Power RF Circuit Design & Simulation Training for Lam Research Scientists

IIT Ropar successfully hosted an intensive training program on High-Power RF Circuit Design & Simulation for scientists from Lam Research from November 25 to December 7, led by Dr. Brajesh Rawat. This hands-on, application-driven program combined theoretical insights with practical simulations to advance RF innovation.

Key Highlights:

- Hands-On Sessions using advanced tools like HFSS for RF circuit design and simulation
- Expert Lectures on topics including oscillators, synthesizers, VGAs, circulators, couplers, and high-power combiners
- Live Simulations to bridge theory with real-world applications
- Collaborative Discussions addressing current challenges and future directions in RF design

Workshop NACSTM-2024

Workshop on Numerical Algorithms & Computations in Science & Technology with MATLAB (NACSTM-2024) was organized during July 08-12, 2024 by the Department of Mathematics at IIT Ropar. The aim of this workshop was to provide participants with theoretical knowledge and practical skills in numerical methods, including finite difference, finite element, and finite volume techniques. The workshop has featured hands-on MATLAB sessions, where participants have implemented basic and advanced numerical algorithms.

Workshop FSOT-2024

The department of Mathematics has organized a Workshop on Function Spaces and Operator Theory (FSOT-2024) during December 09-12, 2024 at IIT Ropar. The workshop aims to highlight key topics, delve into advanced concepts, and initiate research discussions in functional analysis and operator theory.

GIAN Course-2024

The Department of Mathematics has organized GIAN Course "The Role of Stochasticity in Chemical and Biological Processes" during December 16-20, 2024 at IIT Ropar funded by Ministry of Education, Govt. of India. The course was structured to provide the applicants a proper theoretical framework about stochasticity in natural systems, using straightforward arguments rather than complex mathematics. It aims to foster a more intuitive grasp of randomness in complex phenomena and expands the potential audience. Prof. Anatoly B. Kolomeisky from Center for Theoretical Biological Physics, Rice University, USA was the course instructor of GIAN course.

Hands-On Certificate Program Conducted on Solar and Energy-Efficient Technologies

IIT Ropar conducted a Certificate Program on Solar Energy Grid Integration, Energy-Efficient BLDC Motor Drive Systems, and DSP Control Simulation from October 5 to 6, 2024. The program trained 32 participants, providing hands-on experience and advanced knowledge to enhance skills in these emerging technologies.

IIT Ropar hosts training on sustainable and Energy-Efficient computing

IIT Ropar conducted a Certificate Program on "Green Computing: Challenges, Opportunities, and Recent Innovations" from November 9 to 10, 2024. The program, attended by 40 participants, focused on sustainable computing practices, energy-efficient technologies, and the latest advancements in green computing, fostering knowledge exchange and networking.

Empowering Sustainability: IIT Ropar's Water Management Program for Trident Group

IIT Ropar conducted a certification program on 'Advances in Water Management' for Trident Group employees from November 11 to 15, 2024. The program focused on sustainable water management techniques through expert lectures, case studies, and hands-on sessions, supporting Trident's commitment to environmental sustainability.

Enhancing Teaching Excellence: IIT Ropar Trains Over 100 JNV Educators

IIT Ropar successfully conducted two residential training programs in November and December 2024 for Science and Mathematics teachers from Jawahar Navodaya Vidyalayas (JNVs). The programs brought together over 100 teachers from the Chandigarh regional office, covering JNVs in Punjab, Himachal Pradesh, Jammu & Kashmir, and Ladakh. These sessions aimed to enhance teaching skills and subject knowledge, supporting quality education in these regions.

Samsung Employees Trained in Deep Learning Applications by IIT Ropar

IIT Ropar conducted a Certificate Program on "Applied Deep Learning for Computer Vision and Beyond" for Samsung (Batch-II) from May to December 2024. The program focused on advanced deep learning techniques and their practical applications in computer vision and related areas. A total of 27 Samsung employees participated, gaining valuable knowledge and hands-on experience to enhance their skills in AI and machine learning.

Workshop Conducted on Earthquake-Resilient Construction in the Himalayas

A workshop titled “Earthquake Safe Construction Practices and Retrofitting of Buildings” was organized by the Centre for Education on Vernacular Architecture (CEVA), IIT Ropar, in collaboration with DDMA Mandi, and held on August 16th, 2024, at the DC Office, Mandi. Chaired by Mr. Apoorv Devgan (DC, Mandi), the event was enriched by expert talks from Dr. Mitesh Surana and Dr. Aditya Singh Rajput of IIT Ropar, who shared insights on combining traditional Kath-Kunni construction with modern techniques for enhanced earthquake safety. With around 60 participants from government bodies and NGOs, the workshop fostered valuable dialogue on seismic resilience. Contributions from Mr. Bipul Sharma, Mr. Xshitiz Chahal, Mr. Tuhinanshu Modgil, and Mr. Baldev Dharmil were also acknowledged. The initiative was sponsored by the National Mission on Himalayan Studies.

IIT ROPAR IN NEWS

An MoU has been signed between IIT Ropar and Chaudhary Sarwan Kumar Himachal Pradesh Agriculture University (HPAU) to advance agricultural and water technologies. The collaboration is focused on research in digital entomology, IoT, precision agriculture, livestock, cold chain systems, and drone technology. The partnership's potential to create innovative solutions for agricultural challenges was emphasized by HPAU Vice-Chancellor Dr. HK Chaudhary. The transformative role of AI and drones in farming, along with support for student startups, was highlighted by IIT Ropar Director Dr. Rajeev Ahuja. This alliance is aimed at enhancing sustainable farming practices and fostering a tech-driven agricultural ecosystem.

HPAU Signs MoU with IIT-Ropar to Advance Agricultural and Water Technologies

HPAU and IIT, Ropar, are poised to lead the way in finding sustainable and innovative solutions to propel the agriculture sector into a more prosperous and resilient future.

An MoU has been signed between IIT Ropar and the University of Ladakh (UoL) to drive innovation in agriculture and water management. The partnership is focused on deploying advanced technologies, fostering joint R&D projects, and promoting sustainable solutions. The agreement was signed by IIT Ropar Director Prof. Rajeev Ahuja and UoL Vice-Chancellor Prof. SK Mehta, with other dignitaries present. The collaboration's potential for impactful solutions was emphasized by Prof. Ahuja, while its importance for Ladakh's sustainable development was highlighted by Prof. Mehta. This initiative marks a significant step in addressing critical regional challenges through technology and innovation.

IIT Ropar and University of Ladakh sign MoU to revolutionize agriculture and water management through innovative technology

An MoU has been signed between CRISIL Ltd and IIT Ropar to launch joint research programs in data science and artificial intelligence (AI), fostering innovation and bridging the talent gap in these critical fields. Faculty-led projects and internship programs have been included in the partnership. The collaboration was described by Pooja Mirchandani, Chief Human Resources Officer at CRISIL, as an exciting strategic partnership to nurture talent and drive innovation in industry-relevant areas. As part of the initiative, interns and management trainees will be hired by CRISIL for its data science and AI projects to address the growing industry demand for skilled professionals. The significance of the collaboration in equipping students with in-demand skills and enhancing their career prospects in a data-driven job market was highlighted by Dr. Sarang Gumfekar, Associate Dean (CEOA) at IIT Ropar. Renowned for its technical education and research excellence, IIT Ropar continues to be recognized for strengthening its industry alignment and maintaining its position as one of India's top engineering institutions.

क्रिसिल – आइआइटी डाटा साइंस व एआइ पर मिलकर करेंगे काम

A session focused on "Punjab's Agricultural Landscape" was organized by the Indian Institute of Technology (IIT) Ropar in collaboration with its Technology and Innovation Foundation (iHub-AWaDH). The event, conducted as part of the National Mission on Interdisciplinary Cyber-Physical Systems (NMICPS) by the Department of Science and Technology, Government of India, was attended by ten Punjab MLAs and other dignitaries. The session was opened with a welcome address by Dr. Pushpendra Pal Singh, Dean of R&D at IIT Ropar. The institute's pivotal role in advancing agriculture in Punjab was highlighted by Rajeev Ahuja, Director of IIT Ropar, while a special address was delivered by Anil Vij, Additional Secretary of the Punjab Vidhan Sabha. Discussions were centered on extending innovative technologies and practices developed at IIT Ropar to farmers in collaboration with the state government, aiming to enhance agricultural practices across the region.

The first regional workshop on Digital Public Goods (DPGs) was hosted by IIT Ropar, PGIMER Chandigarh, and Punjab's Health Department on August 13, 2024. Held at IIT Ropar, the event brought together experts to discuss open-source digital solutions for public health. Inaugurated by Prof. Rajeev Ahuja, the workshop highlighted DPGs' role in sustainable development. Key speakers included Shri Varinder Sharma (IAS) and Dr. Karthik Adapa (WHO). The session concluded with a call for ongoing collaboration to advance digital health innovations.


The Sawera

IIT Ropar organises pioneering workshop on digital public goods

IIT Ropar's iHub – AWaDH inaugurated the second Contact Session of the SWACH Accelerator Program, promoting innovation in sanitation. The event was attended by Prof. Rajeev Ahuja, Dr. Pushpendra Singh, and Mr. Somveer Anand. Startups like Aryav, Econcious, and Green Aadhaar received expert guidance during a Diagnostic Panel. Sessions on financial modeling and impact metrics were conducted by industry leaders. This collaboration between iHub – AWaDH, Innovation Mission Punjab, and ISC-India Sanitation Coalition underscored India's commitment to sustainable innovation, with Prof. Ahuja praising the startups' transformative potential.


iHub – AWaDH IIT Ropar Launches Second Contact Session of SWACH Accelerator Program with Expert-Led Panels

IIT Ropar's Technology and Innovation Foundation AWaDH was awarded the Bharat Incubator Award at the Bharat Entrepreneurship Summit 2024, organized by the Entrepreneurs Association of India. The award recognized AWaDH's leadership and impact in India's entrepreneurial ecosystem, particularly in agriculture and sustainability. Mukesh Kestwal, Chief Innovation Officer, accepted the award alongside dignitaries like Union Minister Dharmendra Pradhan and UN Resident Coordinator Shombi Sharp. The summit featured keynote speeches and workshops emphasizing innovation and entrepreneurship. AWaDH remained committed to advancing technology and supporting startups for lasting impact.


IIT Ropar Technology and Innovation Foundation Receives Bharat Incubator Award

IIT Ropar's Technology and Innovation Foundation (iHub AWaDH), under the Department of Science and Technology's NM-ICPS framework, won two prestigious awards at the Social Impact Conference Awards 2024 by CSR Universe. iHub AWaDH was recognized as Best Incubator/R&D for supporting over 100 startups, investing ₹15 Cr+ in 86 startups, and helping 46 raise ₹94 Cr, alongside fostering 90+ technologies and producing 180+ publications. The award was received by Mukesh Kestwal (CIO) and Aatif Jamal (Sr. Manager). Additionally, iHub AWaDH won Best in Skill Development and Livelihood for training over 1,800 individuals, with the award received by Dr. Radhika Trikha (CEO), Dr. Shreya Sharma (R&D Manager), and Varinder Saini (Compliance Manager). These accolades highlighted iHub AWaDH's leadership in advancing sustainable livelihoods and technology innovation across India


IIT Ropar Technology and Innovation Foundation (iHub AWaDH) Shines at Social Impact Conference Awards 2024

Guru Nanak Dev University (GNDU) signed an MoU with IIT Ropar's iHub-AWaDH to boost innovation and entrepreneurship in agriculture and water management. The partnership focused on IoT and AI applications, joint research, student projects, and startup ecosystem development in Punjab. The agreement was signed by Dr. Radhika Trikha (iHub-AWaDH CEO) and GNDU Vice-Chancellor Prof. Jaspal Singh Sandhu, who emphasized advancing regional research and innovation.


TheIndiaPost

GNDU Signs MoU with IIT Ropar

The India Digital Agriculture Conference 2024, organized by IIT Ropar's AWaDH and ICFA, was inaugurated today in New Delhi, focusing on the role of digital technologies in addressing challenges such as climate change and food security. The event was opened by Shri Devesh Chaturvedi, Secretary of the Ministry of Agriculture, who emphasized the government's commitment to advancing digital integration in agriculture. The conference featured expert panels on topics including "Climate-Smart Agriculture," "Democratizing AgriTech," and "Precision Farming," showcasing how technologies like IoT, AI, and drones have been employed to promote sustainable farming. Keynote speeches highlighted the future of digital agriculture in India, fostering innovation and collaboration across the sector.


India Digital Agri Conference 2024

India Digital Agri Conference 2024

The India Digital Agri Conference 2024, co-hosted by the Indian Chamber of Food and Agriculture (ICFA) and IIT Ropar's Technology Innovation Foundation (TIF) – Agriculture and Water Technology Development Hub (AWaDH), was a groundbreaking event aimed at accelerating the transformation of Indian agriculture. Held in New Delhi, the conference brought together industry leaders, policymakers, researchers, and farmers to explore the immense potential of digital technologies in tackling some of the country's most pressing agricultural challenges.

IIT Ropar has been designated as one of three Centres of Excellence in Artificial Intelligence (AI) under the Ministry of Education's initiative. Along with its consortium partners, the institute has been tasked with leading efforts to integrate AI into agriculture. The other selected centres include AIIMS New Delhi, focusing on healthcare innovations, and IIT Delhi, advancing medical research, while IIT Kanpur has been assigned AI solutions for sustainable cities. The official launch was marked by Education Minister Dharmendra Pradhan, who emphasized AI's transformative potential.


IIT Ropar Secures AI Center of Excellence in agriculture

Awarded more than 300 cr to transform agricultural practices with AI

IIT Ropar researchers have identified a new vulnerability in autonomous vehicles, presented at the 99th IEEE VTC Conference 2024 in Singapore. Their study, titled "Undermining Live Feed ML Object Detection Accuracy with EMI on Vehicular Camera Sensors," has explored how ElectroMagnetic Interference (EMI) can disrupt machine learning models used in vehicular computer vision systems. The research has highlighted how EMI can compromise the accuracy of camera sensors, causing reduced image quality, false detections, and slower response times, thereby posing a serious security risk to self-driving technology. The team demonstrated the effects of EMI using a portable device, showing a decrease in frames per second (FPS) and detection accuracy. The study has called for enhanced security protocols and countermeasures such as multi-sensor systems and noise cancellation to safeguard autonomous vehicles and other computer vision–dependent systems.


स्वचालित वाहनों की सुरक्षा को इलेक्ट्रो मैग्नेटिक इंटरफेरेंस खतरा

IIT Ropar has developed and patented a mechanical knee rehabilitation device that revolutionizes post-surgical therapy. The Completely Mechanical Passive Motion Machine for Knee Rehabilitation (Patent No. 553407) has been designed as an affordable, off-grid alternative to conventional motorized CPM machines. Utilizing a piston and pulley system, the device operates without electricity, batteries, or motors, making it lightweight, portable, and ideal for regions with unreliable power supply. This cost-effective solution aids patients in recovering from knee surgeries by enhancing joint mobility and reducing stiffness. Particularly beneficial in rural areas with limited access to advanced medical technology, the device offers a sustainable, eco-friendly option that enables patients to perform therapy at home, minimizing hospital visits. Led by Dr. Abhishek Tiwari, the team has aimed to improve healthcare accessibility, making this innovation a game-changer for knee rehabilitation in India and beyond.

IIT Ropar Develops Patented Mechanical Knee Rehab Device, Revolutionizing Post-Surgical Therapy with Affordable, Off-Grid Solution

IIT Ropar participated in VIVIBHA 2024 at SGT University, showcasing innovative technologies at the TIF-AWaDH stall, which won Best Stall in the Academia category. The stall featured solutions like AI-driven livestock management, biodiversity monitoring, water purification, air quality sensors, and precision farming tools. The event highlighted IIT Ropar's commitment to integrating Bharat-centric research with sustainable innovation

IIT Ropar's Role in Shaping a Self-Reliant Bharat Highlighted at VIVIBHA 2024

IIT Ropar conducted a five-day Certification Program on 'Advances in Water Management' for Trident Group employees, focusing on sustainable water treatment technologies for industrial use. Held on campus, the program combined theory and hands-on training in water recycling, energy-efficient, and chemical-free methods. Led by IIT Ropar faculty, it equipped participants with practical skills, receiving praise for its industry relevance and reinforcing IIT Ropar's commitment to sustainability and industry collaboration.

IIT Ropar Leads the Way in Advanced Water Management Training

Exclusive Certification Program Promotes Sustainable Industrial Practices

IIT Ropar's iHub-AWaDH, under the National Mission on Interdisciplinary Cyber-Physical Systems (NM ICPS), partnered with the Centre for Computers and Communication Technology (CCCT), Chisopani, Sikkim, to launch the AWaDH CPS Lab—the first advanced Cyber-Physical Systems facility in Northeast India. Inaugurated by key officials including BSNL's GM Sarsij Saurabh, the lab features IoT kits, AI/ML workstations, and sensors offering 24/7 hands-on modules. It aims to boost technical education, innovation, and skills development by integrating CPS into CCCT's curriculum and supporting research, startups, and advisory projects, marking a major milestone in advancing CPS education and collaboration in the region.

"IIT Ropar Expands Footprint in Northeast India: iHub-AWaDH Establishes Eighth CPS Lab at CCCT, Sikkim, to Drive Skill Development in Cyber-Physical Systems"

IIT Ropar's iHub-AWaDH, under DST's National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), marked its 4th Foundation Day with a Farmer Engagement Session attended by over 50 farmers and supported by Punjab's Department of Horticulture. The event highlighted AWaDH's innovative solutions like the AI-based MoohSense livestock management, Nanobubble water treatment, and Soil Health Monitoring System. This interactive session promoted dialogue to tailor sustainable agriculture technologies to community needs. With over 70 technologies developed, 100+ startups incubated, and 5,000 youth trained, AWaDH continues to bridge research and practical farming for impactful outcomes.


"IIT Ropar's AIWaDH Marks 4th Foundation Day with Groundbreaking Farmer Engagement to Revolutionize Agriculture through Technology in Punjab"

The Department of Mechanical Engineering at IIT Ropar hosted the SMF2024 (Sheet Metal Forming) Conference on December 5-6, 2024, themed "Shaping the Future with Advanced Sheet Metal Technologies." The event featured keynote addresses by Dr. Santosh Kumar, VP of R&D at Jindal Stainless Ltd., and Prof. K. Narasimhan of IIT Bombay, who delivered the Antony Rasquinha Memorial Lecture. Over 100 participants from academia and industry discussed advances in sheet metal forming, superplasticity, and material simulation. Supported by sponsors like Autoform Engineering and Altair Inspire Form, the conference focused on promoting innovation and collaboration in metal forming technologies.


2-DAY SMF 2024 CONFERENCE KICKED OFF AT IIT ROPAR

IIT Ropar successfully hosted the Sheet Metal Forming (SMF) 2024 conference on December 5-6, attracting national and international delegates from academia and industry. Organized by the Sheet Metal Forming Research Association (SMFRA), the event featured distinguished speakers from IITs and top organizations including Autoform, Electropneumatics & Hydraulics, Tata Steel, Altair, and Ford India. Chief Guest Dr. Santosh Kumar, VP of Jindal Stainless Ltd., delivered the Rasquinha Memorial Lecture. Sessions covered topics such as lightweight and hot metal forming. The conference concluded with a panel discussion and valedictory address, receiving high praise for advancing research and strengthening industry-academia collaboration.


IIT Ropar successfully organized Sheet Metal Forming 2024 Conference (SMF 2024)

IIT Ropar's iHub-AWaDH, under DST's NM-ICPS initiative, has launched a cost-effective Bluetooth Low Energy (BLE) Gateway and Node System that enables real-time data transmission across sectors like agriculture, logistics, and environmental monitoring. Featuring long-range communication, low power use, weatherproof design, and scalability for over 100 nodes, the system supports precision farming, cold-chain logistics, and smart city applications. Integrated with mobile apps and cloud platforms, it ensures secure, energy-efficient, and customizable IoT deployments, showcasing AWaDH's dedication to sustainable technological innovation.


IIT Ropar's iHub-AWaDH Unveils Cost-Effective Bluetooth Low Energy Gateway with Advanced Data Security to revolutionize IoT applications across various sectors

IIT Ropar's iHub-AWaDH participated in the World Agri-Tech Summit 2024 in Dubai on December 9-10, showcasing its leadership in agricultural innovation and sustainability. Represented by Chief Innovation Officer Mukesh Kestwal, who served as both jury member and speaker, iHub-AWaDH highlighted its support for 114 incubated startups and pioneering technologies like CropRover's robotic crop management and Mkelly BioTech's agri-advancements. Strengthening its global reach, iHub-AWaDH formalized partnerships with Dubai-based ESG WEISE and India's PRYM Solution (Salam Kisan). Through initiatives such as the AI in Agriculture CoE and the Technology Innovation Hub for Agriculture and Water, IIT Ropar continues to drive transformative solutions in AgriTech, ClimateTech, and sustainability, fostering impactful collaborations worldwide.

IIT Ropar's iHub-AWaDH, in partnership with Khalsa College of Engineering & Technology (KCET), Amritsar, inaugurated the AWaDH Cyber-Physical Systems Lab under DST's NM-ICPS initiative. This advanced lab, equipped with cutting-edge IoT kits and CPS tools, aims to enhance technical education, promote innovation, and empower students and professionals in IoT and AI technologies. The inauguration featured addresses by dignitaries including S. Rajinder Mohan Singh Chhina and Dr. Jatinder Kaur Arora, followed by a tour showcasing the lab's state-of-the-art resources. This initiative is set to significantly boost education and skill development in Cyber-Physical Systems across the Amritsar region.

IIT Ropar has launched the Dr. Ranbir Singh Tinkerers' Lab (TL), a cutting-edge facility aimed at promoting creativity, innovation, and hands-on learning among students. Funded by the Maker Bhavan Foundation through philanthropist Dr. Ranbir Singh, the lab operates 24/7, providing a unique space for students to develop real-world projects. The inauguration, attended by faculty, students, and distinguished guests, marked a key milestone in STEM education at IIT Ropar. Dr. Ranbir Singh, an honorary IIT alumnus, expressed enthusiasm for the lab's potential to inspire creativity and equip students with advanced tools to realize their ideas beyond regular academic hours. Director Dr. Rajeev Ahuja highlighted the role of practical learning in driving innovation. Supported by the Maker Bhavan Foundation, the Tinkerers' Lab aims to nurture the engineers and innovators of the future.

TECHNOLOGY BUSINESS INCUBATOR FOUNDATION

Participation in North Tech 2024

IIT Ropar - Technology Business Incubator Foundation (TBIF) participated in HIMTECH 2024, jointly organized by the Indian Army and FICCI in Leh, Ladakh on September 21–22, aligning with the Army's vision of 2024 as the 'Year of Technology Absorption.' TBIF incubatees showcased cutting-edge defense technologies including Gyro Chassis, Mechatronics Sensors, Drone Forensics, Armor Solutions, Spectrum Monitoring Systems, and High-Performance Textiles for High Altitude Areas. Col. Prabir Sengupta, VSM, represented the Center of Excellence (CoE) for Defence and Security, further strengthening IIT Ropar's strategic role in defense innovation. The event attracted senior military officials and sparked collaboration inquiries, reinforcing TBIF's growing impact in the defense tech ecosystem.

Participation at Global Bio-India 2024

IIT Ropar - Technology Business Incubator Foundation (TBIF) showcased its innovative biotech and MedTech solutions at Global Bio-India 2024 from September 12-14, a premier international platform for biotech innovation. The event highlighted TBIF's advanced incubation facilities and its commitment to fostering industry-academia collaboration. TBIF engaged with startups, industry partners, and angel investors, generating strong interest and investment inquiries. The incubator continues to support startups in bio-services, MedTech, bio-industrial, and related sectors by providing cutting-edge facilities, mentorship, and a collaborative ecosystem to accelerate innovation.


Organized Ecosystem Enabler Session in Collaboration with Startup Punjab

IIT Ropar - Technology Business Incubator Foundation (TBIF) actively participated in the 4E-Engage & Encourage program held on October 24, 2024, at STPI Mohali, organized by Neuron CoE in collaboration with Startup Punjab (GoP). The TBIF delegation, including CEO Mr. Satyam Sarma, Incubation Manager Ms. Karuna Kanwar, and Startup Liaison Officer Ms. Ritika Mahajan, engaged with key ecosystem stakeholders to discuss strategies for nurturing startups and overcoming entrepreneurial challenges. The event, chaired by Sh. Shailendra Tyagi (Director & OIC, STPI Mohali) and attended by Sh. Deepinder Dhillon (Joint Director, Dept. of IT & Sector Officer, Invest Punjab), featured a keynote by CA Sahil Makkar, Chairman & CEO of Punjab Angels Network, focusing on investment, timing, and scaling issues for startups. TBIF reaffirmed its commitment to fostering innovation through mentorship, strategic partnerships, and a supportive environment, expressing gratitude to ecosystem partners for strengthening Punjab's startup ecosystem.


Participation in East Tech Symposium 2024

IIT Ropar - Technology Business Incubator Foundation (TBIF) and the Centre of Excellence for Studies and Applied Research in Defence and Security (CoE-SARDS) marked a successful presence at the EAST TECH Symposium 2024. Startups incubated by TBIF gained strong recognition from the Eastern Command and key defense stakeholders, highlighting their role in advancing India's defense capabilities through innovative indigenous technologies. Showcasing solutions aligned with the Atmanirbharta mission, these startups engaged in meaningful discussions addressing critical defense needs. The event facilitated valuable networking opportunities and laid the groundwork for future collaborations with the Ministry of Micro, Small, and Medium Enterprises, DPSUs, and industry leaders dedicated to promoting self-reliance in defense.


5th Vietnam-India Bilateral Army Exercise (VINBAX 2024)

The 5th Vietnam-India Bilateral Army Exercise (VINBAX 2024) concluded its validation phase in Ambala, Haryana, from November 4 to 23, 2024, featuring a key Equipment Display at Kaushalya Dam, Pinjore, from November 20 to 22. The display highlighted India's technological progress under the Make in India and Atmanirbhar Bharat initiatives. IIT Ropar - Technology Business Incubator Foundation (TBIF) actively participated, showcasing cutting-edge innovations from its incubated startups, including Agniverse Private Limited, Roschcrete Technologies, Drones Tech Lab (RC Hobbytech Solutions), Evigway Technologies, Optical Synergy Systems, and SpecuVision Private Limited. Represented by CEO Satyam Sarma and Startup Liaison Officer Ritika Mahajan, the delegation engaged with senior Indian Army officials such as Col Vidyut Mahato, Lt Gen Rajesh Pushkar, Brig Sumit Kapoor, and senior Vietnamese defense leaders including Col Giang and Deputy Director Nguyen Ba Huung. This prestigious platform offered TBIF startups an exceptional opportunity to present their indigenous defense technologies to a distinguished audience, reinforcing IIT Ropar's commitment to fostering innovation and advancing India's status as a global defense technology hub.


Entrepreneurship Cell at IIT Ropar:

E-Cell is a student-led organization operating under the umbrella of TBIF, aimed at advancing the Foundation's entrepreneurial initiatives. It fosters an entrepreneurial mindset among IIT Ropar students, inspiring them to innovate and pursue ventures. Recently E-cell conducted a program namely "Expert Talk". The Guest of the talk was Mr. Khalid Wani. He is a motivational speaker, who motivated the students for their career in the event

राजभाषा गतिविधियाँ

नराकास प्रतियोगिता: हिंदी निबंध लेखन प्रतियोगिता में संस्थान सदस्यों की सहभागिता

यूको बैंक द्वारा नराकास रुपनगर के संयुक्त तत्वावधान नराकास रुपनगर के सदस्य कार्यालयों के लिए हिंदी निबंध लेखन प्रतियोगिता का आयोजन किया गया। निबंध प्रतियोगिता का विषय "विश्वपटल पर हिंदी भाषा के प्रचार में उन्नत तकनीकी टूल्स का योगदान" था। इस प्रतियोगिता की नियमावली के अनुसार नराकास रुपनगर के प्रत्येक सदस्य कार्यालयों से अधिकतम 02 सदस्य प्रतिभागिता ले सकते थे। इच्छुक सदस्यों को दिनांक 16 सितंबर, 2024 तक अपनी निबंध की प्रविष्टि यूको बैंक को भेजनी थी। अन्य नियमों में एक नियम 1000 शब्दों की थी तथा निबंध यूनिकोड में टंकित होने का नियम था।

यूको बैंक द्वारा आयोजित की गई इस प्रतियोगिता में नराकास रुपनगर के अंतर्गत आने वाले विभिन्न संस्थान/कार्यालय/बैंक आदि के सदस्यों ने बढ़-चढ़ कर सहभागिता ली। इस प्रतियोगिता सभी प्रतिभागियों ने अपने उत्तम लेखन कौशल का परिचय दिया।

इस प्रतियोगिता में भारतीय प्रौद्योगिकी संस्थान रोपड़ से 02 सदस्यों ने अपनी सहभागिता सुनिश्चित की। भा.प्रौ.सं. रोपड़ से श्री देवेन्द्र कुमार (कनि. प्रयोगशाला सहायक, विद्यु. अभि.) और डॉ. रवि कांत (सहायक आचार्य, यांत्रिक अभियांत्रिकी विभाग) ने सहभागिता सुनिश्चित की।

नराकास प्रतियोगिता: आनलाइन हिंदी व्याकरण ज्ञान एवं हिंदी ज्ञान प्रतियोगिता में संस्थान सदस्यों की सहभागिता

यूनियन बैंक आफ इंडिया द्वारा नराकास रुपनगर के संयुक्त तत्वावधान नराकास रुपनगर के सदस्य कार्यालयों के लिए आनलाइन माध्यम से हिंदी व्याकरण ज्ञान एवं हिंदी ज्ञान प्रतियोगिता का आयोजन किया गया। दिनांक 23 सितंबर, 2024 को आयोजित की गई इस प्रतियोगिता में नराकास रुपनगर के अंतर्गत आने वाले विभिन्न संस्थान/कार्यालय/बैंक आदि के सदस्यों ने बढ़-चढ़ कर सहभागिता ली। इस प्रतियोगिता प्रतिभागियों को हिंदी व्याकरण आधारित तथा हिंदी ज्ञान से संबधित प्रश्न दिए गए, उक्त प्रश्न के चार उत्तर भी दिए गए। प्रतिभागी को चार उत्तर में से एक सही उत्तर का चयन करना था।

इस प्रतियोगिता में भारतीय प्रौद्योगिकी संस्थान रोपड़ के कुल 05 अधिकारी/कर्मचारी सदस्यों ने अपनी सहभागिता सुनिश्चित की। भा.प्रौ.सं. रोपड़ से श्री देवेन्द्र कुमार (कनि. प्रयोगशाला सहायक, विद्यु. अभि.), श्री कुन्दन कुमार (कनिष्ठ सहायक, विद्युत अभि. विभाग), सुश्री स्वाति शर्मा (कनि. प्रयोगशाला सहायक, रासायनिक अभि. विभाग), डॉ. रवि कांत (सहायक आचार्य, यांत्रिक अभियांत्रिकी विभाग), श्री मोहन सिंह जगरवाल (कनिष्ठ प्रयोगशाला सहायक, भौतिक विज्ञान विभाग) ने सहभागिता सुनिश्चित की।

नराकास प्रतियोगिता: हिंदी कहानी लेखन प्रतियोगिता में संस्थान सदस्यों की सहभागिता

नाइलिट, रुपनगर द्वारा नराकास रुपनगर के संयुक्त तत्वावधान नराकास रुपनगर के सदस्य कार्यालयों के लिए हिंदी कहानी लेखन प्रतियोगिता का आयोजन किया गया। कहानी लेखन प्रतियोगिता हेतु प्रतिभागियों को कहानी की आरंभिक रुपरेखा साझा की गई तथा प्रतिभागियों को इस रुपरेखा को केंद्र में रखते हुए आरंभ की गई कहानी को पूर्ण करना था। इस प्रतियोगिता की नियमावली के अनुसार नराकास रुपनगर के प्रत्येक सदस्य कार्यालयों से अधिकतम 02 सदस्य प्रतिभागिता ले सकते थे। इच्छुक सदस्यों को दिनांक 25 सितंबर, 2024 तक अपनी कहानी की प्रविष्टि नाइलिट, रुपनगर को भेजनी थी। अन्य नियमों में एक नियम कहानी की शब्दों की सीमा 500-800 शब्द थी।

यूको बैंक द्वारा आयोजित की गई इस प्रतियोगिता में नराकास रुपनगर के अंतर्गत आने वाले विभिन्न संस्थान/कार्यालय/बैंक आदि के सदस्यों ने बढ़-चढ़ कर सहभागिता ली। इस प्रतियोगिता सभी प्रतिभागियों ने अपने उत्तम रचनात्मक लेखन कौशल का परिचय दिया।

इस प्रतियोगिता में भारतीय प्रौद्योगिकी संस्थान रोपड़ से 03 सदस्यों का नामांकन कहानी की प्रविष्टि के साथ प्राप्त हुआ। निर्णायक मंडल द्वारा प्राप्त कुल 03 कहानी में से 02 कहानियों को नराकास रुपनगर को प्रेषित करने हेतु चयनित किया। हिंदी प्रकोष्ठ द्वारा भा.प्रौ.सं. रोपड़ से श्री देवेन्द्र कुमार (कनि. प्रयोगशाला सहायक, विद्यु. अभि.) और सुश्री स्वाति शर्मा (कनिष्ठ प्रयोगशाला सहायक, रासायनिक अभियांत्रिकी विभाग) की प्रविष्टि नाइलिट रुपनगर को प्रेषित कर उक्त प्रतियोगिता में संस्थान की सहभागिता सुनिश्चित की गई।

नराकास प्रतियोगिता: हिंदी शब्द ज्ञान प्रतियोगिता में संस्थान सदस्यों की सहभागिता

एन.एफ.एल. नंगल इकाई द्वारा नराकास रुपनगर के संयुक्त तत्वावधान नराकास रुपनगर के सदस्य कार्यालयों के लिए आनलाइन माध्यम से हिंदी शब्द ज्ञान प्रतियोगिता का आयोजन किया गया। दिनांक 18 सितंबर, 2024 को आयोजित की गई इस प्रतियोगिता में नराकास रुपनगर के अंतर्गत आने वाले विभिन्न संस्थान/कार्यालय/बैंक आदि के सदस्यों ने बढ़-चढ़ कर सहभागिता ली। इस प्रतियोगिता प्रतिभागियों को सरकारी कामकाज में प्रयुक्त होनेवाले अंग्रेजी शब्दों को प्रश्न के रुप में दिए गए थे जिसका उन्हें हिंदी शब्द लिखना था। कुल 25 अंग्रेजी शब्दों के हिंदी उत्तर 15 मिनट के भीतर प्रतिभागियों से देने की अपेक्षा की गई थी।

इस प्रतियोगिता में भारतीय प्रौद्योगिकी संस्थान रोपड़ के कुल 02 कर्मचारी सदस्यों ने अपनी सहभागिता सुनिश्चित की। भा.प्रौ.सं. रोपड़ से श्री देवेन्द्र कुमार (कनि. प्रयोगशाला सहायक, विद्यु. अभि.), सुश्री समिता सैनी (वरिष्ठ प्रयोगशाला सहायक, रसायन विज्ञान विभाग) ने सहभागिता सुनिश्चित की।

हिंदी शिक्षण योजना की संपर्क अधिकारियों की बैठक में संस्थान सदस्यों की सहभागिता

केंद्रीय हिंदी प्रशिक्षण संस्थान/ हिंदी शिक्षण योजना, राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा संचालित हिंदी भाषा/टंकण/आशुलिपि प्रशिक्षण से संबंधित अद्यतन जानकारी प्रदान करने तथा प्रशिक्षण से संबंधित समस्याओं के निराकरण हेतु दिनांक 28 अगस्त, 2024 को पंजाब विश्वविद्यालय के संगोष्ठी कक्ष में चंडीगढ़/पंचकुला/मोहाली/रोपड़ क्षेत्र के कार्यालयों, उपक्रमों, सरकारी उद्यमों, स्वायत्त संगठनों, सांविधिनिक निकायों, राष्ट्रीकृत बैंक, केंद्रीय सरकार के स्वामित्व या नियंत्रणाधीन निगमों एवं कंपनियों आदि के संपर्क अधिकारियों की बैठक आयोजित की गई।

उक्त बैठक हेतु भारतीय प्रौद्योगिकी संस्थान रोपड़ द्वारा बैठक में सम्मिलित होने होते श्री विपिन कुमार (हिंदी अधिकारी/सहायक कुलसचिव) और डॉ. गिरीश प्रमोदराव कठाणे (वरिष्ठ हिंदी अनुवाद अधिकारी) को नामित किया गया। इस बैठक में निर्धारित क्षेत्रों के संपर्क अधिकारियों ने अपनी अभूतपूर्व सहभागिता से इस बैठक को सफल बनाया।

78वें स्वतंत्रता दिवस के उपलक्ष्य में देशभक्ति गीत गायन प्रतियोगिता का आयोजन

78वें स्वतंत्रता दिवस के उपलक्ष्य पर भा.प्रौ.सं. रोपड़ के हिंदी प्रकोष्ठ द्वारा संस्थान के विद्यार्थियों तथा संकाय सदस्य एवं कर्मचारिगणों के लिए देशभक्ति गीत गायन एवं कविता पाठ प्रतियोगिता का आयोजन किया गया।

दिनांक 12 अगस्त 2024 को संस्थान सदस्यों के लिए आयोजित की गई इस प्रतियोगिता में संस्थान के विभिन्न विभागों के विद्यार्थियों / शोधार्थियों, संकाय सदस्यों, अधिकारियों एवं कर्मचारिगणों ने सहभागिता ली और अपने देशभक्तिपरक गीतों से पूरा वातावरण देशभक्तिमय कर दिया।

इस दिन प्रतियोगिता का शुभारंभ हिंदी प्रकोष्ठ के संकाय प्रभारी डॉ. अभिषेक तिवारी द्वारा सभी को संबोधित करने के साथ हुआ।

इस प्रतियोगिता में संस्थान के सदस्यों ने अपने देशभक्ति गीतों से पूरा वातावरण देशभक्ति के रंग में रंग दिया। कुछ प्रतिभागियों ने स्वरचित तो कुछ ने अन्यों की कविताओं एवं गीतों की प्रस्तुति से देश के प्रति अपनी निस्वार्थ भावनाओं को सभी के समक्ष बड़े ही गर्व के साथ रखा।

भा.प्रौ.सं. रोपड़ में हिंदी कार्यशाला का आयोजन

भारतीय प्रौद्योगिकी संस्थान रोपड़ के हिंदी प्रकोष्ठ ने दिनांक 16 अगस्त, 2024 को आभासीय रुप में हिंदी कार्यशाला का आयोजन संपन्न किया। राजभाषा विभाग, गृह मंत्रालय भारत सरकार के दिशा-निर्देशों के अनुपालन में इस कार्यशाला का आयोजन किया गया।

यह कार्यशाला राजभाषा कार्यान्वयन एवं हिंदी अनुवाद (अनुवादिनी सॉफ्टवेयर के विशेष संदर्भ में) विषय पर आयोजित की गई जिसमें विषय विशेषज्ञ के रुप में सहायक निदेशक (राजभाषा) एवं जनसंपर्क अधिकारी, भारतयी जन संचार संस्थान, नई दिल्ली श्री अंकुर विजयवर्गीय को आमंत्रित किया गया था। इस अवसर पर नराकास रुपनगर के सदस्य कार्यालयों के अधिकारी एवं कर्मचारीगण विशेष रुप से उपस्थित थे। इस कार्यशाला में भारतीय प्रौद्योगिकी संस्थान रोपड़ के कर्मचारियों , अधिकारियों तथा संकाय सदस्यों ने अपनी सहभागिता सुनिश्चित की।

सर्वप्रथम संस्थान के हिंदी अधिकारी श्री विपिन कुमार ने आमंत्रित वक्ता महोदय का स्वागत किया। साथ ही, नराकास रुपनगर के सदस्य कार्यालयों से जुड़े अधिकारी एवं कर्मचारिगण, भा.प्रौ.सं. रोपड़ के संकाय सदस्य, अधिकारी एवं कर्मचारिगणों का भी स्वागत किया।

आमंत्रित वक्ता महोदय ने अपने मार्गदर्शन परक वक्तव्य का आरंभ राजभाषा हिंदी से जुड़े संवैधानिक प्रावधान के साथ-साथ इस बिंदु पर भी प्रकाश ड़ाला कि आज कंप्यूटर पर हिंदी में कार्य करना अत्यंत सरल है। वक्ता महोदय ने राजभाषा विभाग द्वारा किए गए तकनीकी प्रयासों से एक-एक कर सभी के सामने संक्षिप्त रुप से रखा।

हिंदी टाइपिंग के 68वें सत्र (अगस्त 2024-जनवरी 2025) के पंजीकृत सदस्यों हेतु 4 दिवसीय आंतरिक प्रशिक्षण कार्यक्रम का आयोजन

भारतीय प्रौद्योगिकी संस्थान रोपड़ के 06 सदस्य केंद्रीय हिंदी प्रशिक्षण संस्थान, नई दिल्ली द्वारा आयोजित किए जा रहे हिंदी शब्द संसाधन (हिंदी टाइपिंग) प्रशिक्षण कार्यक्रम में 68वें सत्र हेतु पंजीकृत किए गए। इस प्रशिक्षण कार्यक्रम की अवधि 01 अगस्त 2024 से जनवरी 2025 तक है तथा इसकी परीक्षा माह जनवरी 2025 में प्रस्तावित है।

इस सत्र की परीक्षा को केंद्र में रखकर संस्थान के पंजीकृत सदस्यों की तैयारी को बेहतर बनाने के उद्देश्य से हिंदी प्रकोष्ठ ने दिनांक 20, 21, 22 और 23 अगस्त, 2024 को 04 दिनों के आंतरिक प्रशिक्षण कार्यक्रम का आयोजन किया।इस प्रशिक्षण कार्यक्रम में प्रशिक्षक के रुप में श्री अरविंद कुमार, सहायक निदेशक, हिंदी टंकण एवं आशुलिपि प्रशिक्षण केंद्र, हिंदी शिक्षण योजना, राजभाषा विभाग, गृह मंत्रालय, भारत सरकार, चण्डीगढ़ केंद्र को आमंत्रित किया गया था।

दिनांक 20 अगस्त 2024 को संपन्न आंतरिक प्रशिक्षण कार्यक्रम के प्रथम सत्र में प्रशिक्षक महोदय ने प्रशिक्षणार्थियों को हिंदी कुंजीपटल का परिचय एवं इसकी व्यावहारिकता , दिनांक 21 अगस्त 2024 के द्वितीय सत्र में मुख्य रुप से व्याकरणिक चिन्हों का अभ्यास, गति अभ्यास आदि, दिनांक 22 अगस्त 2024 के सत्र में सारणी बनाना तथा सारणी बनाते हुए ध्यान रखे जाने वाले बिंदु, विभिन्न पत्रों का टंकण आदि तथा दिनांक 23 अगस्त 2024 को हस्तलेख पर मार्गदर्शन करते हुए विभिन्न प्रूफ शोधन चिन्हों की पहचान तथा चारों सत्रों का पुनरावलोकन किया।

हिंदी पखवाड़ा 2024 का आयोजन

भारतीय प्रौद्योगिकी संस्थान रोपड़ ने हिंदी दिवस के उपलक्ष्य पर 15 दिवसीय हिंदी पखवाड़ा 2024 का आयोजन सफलतापूर्वक संपन्न किया। यह पखवाड़ा 02 सितंबर 2024 से 16 सितंबर 2024 तक आयोजित किया गया था। इस पखवाड़ा के दौरान संस्थान के विद्यार्थियों के लिए कुल 04 प्रतियोगिताएं जिसमें हिंदी निबंध प्रतियोगिता, हिंदी आशु भाषण प्रतियोगिता, हिंदी वादविवाद प्रतियोगिता और हिंदी कविता पाठ/गायन प्रतियोगिता का समावेश था। संस्थान के संकाय सदस्य एवं कर्मचारिगणों के लिए कुल 07 प्रतियोगिताओं का आयोजन किया गया जिसमें हिंदी टिप्पण लेखन प्रतियोगिता, हिंदी निबंध प्रतियोगिता, हिंदी कविता पाठ/गायन प्रतियोगिता, कंप्यूटर पर हिंदी में कार्यालय आदेश टाइपिंग प्रतियोगिता, हिंदी वादविवाद प्रतियोगिता, हिंदी आशु भाषण प्रतियोगिता तथा हिंदी आशु लेखन प्रतियोगिता आदि का समावेश था। साथ ही, संस्थान के सुरक्षा/सफाई/हाउसकीपिंग/परिचारक स्टाफ के लिए हिंदी प्रस्तुति प्रतियोगिता तथा संस्थान के संकाय सदस्य एवं कर्मचारिगणों के बच्चों के लिए हिंदी प्रस्तुति प्रतियोगिता का आयोजन किया गया। संस्थान के संकाय सदस्यगण एवं कर्मचारिगणों के परिवारजनों के लिए हिंदी कविता अथवा गीत गायन प्रतियोगिता का आयोजन किया गया। सभी श्रेणीयों में आयोजित इन विभिन्न प्रतियोगिताओं में संस्थान के सभी स्तरों से उत्साहजनक प्रतिक्रिया प्राप्त हुई।

कवि सम्मेलन 2024 का आयोजन

हिंदी प्रकोष्ठ, भा.प्रौ.सं. रोपड़ ने संस्थान के अल्फाज़ ग्रुप के साथ संयुक्त तत्वावधान में 24 सितंबर को संस्थान में सुप्रसिद्ध कविगणों की प्रस्तुति के सानिध्य में कवि सम्मेलन का आयोजन संपन्न किया। संस्थान के हिंदी प्रकोष्ठ ने वर्ष 2023 से भव्य स्तर पर कवि सम्मेलन का आयोजन करना आरंभ किया था।

दिनांक 24 सितंबर 2024 को कवि सम्मेलन में कविरत्नों के रुप में, श्रृंगार कवयित्री मणिका दुबे, श्री स्वयं श्रीवास्तव, हास्य कवि श्री विकास बौखल तथा हिंदी एवं उर्दु के मशहूर कवि एवं शायर श्री अजहर इकबाल विशेष रुप से आमंत्रित थे।

कवि सम्मेलन की शुरुवात भा.प्रौ.सं. रोपड़ के निदेशक आचार्य राजीव आहूजा महोदय द्वारा सभी आमंत्रित कवियों का पुष्पगुच्छ एवं स्मृतिचिन्ह से स्वागत कर हुई। इस अवसर पर माननीय निदेशक महोदय आचार्य आहूजा जी ने इस प्रकार के साहित्यिक सम्मेलनों एवं कार्यक्रमों की आवश्यकता पर प्रकाश डालते हुए यह विचार साझा किया कि इस प्रकार के कार्यक्रम केवल मनोरंजन का ही नहीं अपितु भाषायी संवर्धन एवं प्रचार-प्रसार का भी सशक्त माध्यम के रुप में कार्य करते है। आचार्य आहूजा ने सभी को आश्वस्त भी किया कि संस्थान हिंदी प्रकोष्ठ के माध्यम से समय-समय पर इस प्रकार के आयोजन करता रहेगा।

संस्थान सदस्यों के लिए केंद्रीय पुस्तकालय में "हंस" पत्रिका

हिंदी प्रकोष्ठ, भा.प्रौ.सं. रोपड़ ने केंद्रीय पुस्तकालय के सहयोग से संस्थान सदस्यों के साहित्यिक रसास्वादन हेतु हिंदी की प्रतिष्ठित हंस पत्रिका की सदस्यता ग्रहण करने की औपचारिक प्रक्रिया पूर्ण की। संस्थान के निदेशक आचार्य राजीव आहूजा ने राजभाषा कार्यान्वयन समिति की त्रैमासिक बैठक में हंस की सदस्यता ग्रहण करने के बाद प्राप्त अंक को पाठकों को समर्पित किया।

इस अवसर पर आचार्य राजीव आहूजा जी ने हिंदी प्रकोष्ठ के इस कार्य की सराहना करते हुए सभी से अपील की कि अधिक से अधिक संख्या में लोग इस पत्रिका का पठन-पाठन करें।

माह अगस्त, 2024 से संस्थान के केंद्रीय पुस्तकालय में हंस पत्रिका पाठकों के लिए रखना आरंभ कर दिया गया है।

विभिन्न हिंदी प्रशिक्षणों में संस्थान के कर्मचारी सदस्यों का पंजीकरण

केंद्रीय हिंदी प्रशिक्षण संस्थान, राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा संचालित 68वां हिंदी टाइपिंग पत्राचार प्रशिक्षण (अवधि अगस्त 2024 से जनवरी 2025) में संस्थान के कुल 06 सदस्यों को सफलतापूर्वक पंजीकृत कराया गया। श्री हितेश कुमार (कनिष्ठ सहायक, छात्रावास प्रबंधन), श्री अंशु वैद (वरिष्ठ सहायक, सुविधाएं अनुभाग), सुश्री सोनी भगत (कनिष्ठ सहायक लेखा, लेखा अनुभाग), श्री कुंदन कुमार (कनिष्ठ सहायक, विद्युत अभियांत्रिकी विभाग) तथा श्री आकाश सैनी (कनिष्ठ सहायक लेखा, लेखा अनुभाग) को अनिवार्य रुप से इस प्रशिक्षण हेतु पंजीकृत कराया गया। वहीं श्री ललित कुमार, कनिष्ठ लेखा अधिकारी, छात्रावास प्रबंधन को स्वैच्छिक आधार पर पंजीकृत कराया गया। संस्थान के उपर्युक्त 06 कर्मचारी सदस्य इस प्रशिक्षण का लाभ प्राप्त कर रहे है। इस प्रशिक्षण सत्र की परीक्षा माह जनवरी, 2025 में होने की अपेक्षा है।

इसी क्रम में, हिंदी शिक्षण योजना राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा हिंदी भाषा प्रशिक्षण के जुलाई से नवंबर 2024 सत्र में 01 कर्मचारी सदस्य श्री सुमित राणा (कनिष्ठ सहायक, छात्रावास प्रबंधन) को पारंगत प्रशिक्षण हेतु तथा कुल 04 कर्मचारी सदस्यों डॉ. हरप्रीत कौर (पुस्तकालय सूचना अधिकारी), सुश्री नबनीता चक्रबोर्ती (कनिष्ठ अधीक्षक, अनु. एवं विका.), श्री अनुज बब्बर (कनि. तकनीकी अधीक्षक) और श्री अक्शप्रीत सिंह तम्बर (कनिष्ठ सहायक) को प्राज्ञ प्रशिक्षण हेतु नामित एवं पंजीकृत कराया गया। पंजीकृत सदस्यों ने माह नवंबर, 2024 को चण्डीगढ़ केंद्र पर हुई परीक्षा में अपनी उपस्थिति दर्ज की।

वित्तीय वर्ष 2024-25 की नगर राजभाषा कार्यान्वयन समिति रुपनगर की द्वितीय बैठक में सहभागिता एवं पुरस्कार वितरण

नगर राजभाषा कार्यान्वयन समिति रुपनगर की वित्तीय वर्ष 2024-25 की द्वितीय अर्धवार्षिक बैठक दिनांक 22 अक्टूबर, 2024 को संपन्न हुई। यह बैठक केंद्रीय विद्यालय आई. आई. टी. रोपड़ के सभागार कक्ष में आयोजित की गई। इस बैठक में नराकास रुपनगर के अंतर्गत आनेवाले सभी बैंक, उपक्रमों एवं संस्थानों के पदाधिकारियों / कर्मचारियों ने अपनी सहभागिता सुनिश्चित की।

इस बैठक में भारतीय प्रौद्योगिकी संस्थान रोपड़ की ओर से श्री अमोद कान्हेरे (सहायक कुलसचिव) और डॉ. गिरीश प्रमोदराव कठाणें (वरिष्ठ हिंदी अनुवाद अधिकारी) ने सहभागिता ली। इस बैठक में नराकास रुपनगर के सभी बैंक/संस्थान आदि द्वारा प्राप्त अर्धवार्षिक रिपोर्ट का मूल्यांकन श्री कुमार पाल शर्मा, उप निदेशक, राजभाषा विभाग, गृह मंत्रालय, भारत सरकार द्वारा किया गया। श्री कुमार पाल शर्मा जी ने नराकास रुपनगर के अंतर्गत आने वाले सभी कार्यालयों द्वारा किए जा रहे राजभाषा हिंदी के कार्यों की प्रशंसा एवं सराहना की। साथ ही, इन कार्यों को आगे ले जाते हुए किस प्रकार से राजभाषा हिंदी का पूर्ण अनुपालन अपने-अपने संस्थान में किया जा सकता है इस पर विचार साझा किए।

श्री कुमार पाल शर्मा, उप निदेशक, राजभाषा विभाग,
गृह मंत्रालय उपस्थितों को मार्गदर्शन करते हुए

सदस्य कार्यालयों से पधारे अधिकारी, कर्मचारीगण

नराकास प्रतियोगिता: आई.आई.टी. रोपड़ द्वारा हिंदी कहानी पाठ प्रतियोगिता का आयोजन

नराकास रुपनगर की बैठकों में लिए गए निर्णयों के अनुसरण में भा.प्रौ.सं. रोपड़ ने दिनांक 16 अक्टूबर 2024 को नराकास रुपनगर के सभी सदस्य कार्यालयों के लिए हिंदी कहानी पाठ प्रतियोगिता आयोजन किया।

कहानी पाठ प्रतियोगिता हेतु प्रतिभागी संस्थानों के साथ प्रतियोगिता से संबंधित दिशा-निर्देश साझा किए गए जैसे कि इच्छुक प्रतिभागी 5 तथा अधिकतम 6 मिनट में लघु कहानी का पाठ कर सकता है, लघु कहानी स्वरचित अथवा किसी अन्य की भी हो सकती है। प्रतियोगिता के मूल्यांकन के मानक लघु कहानी का चयन, समय-सीमा के भीतर पाठ, कहानी की गुणवत्ता, शब्दों का उच्चारण, कहानी पाठ की शैली आदि होंगे। इस प्रतियोगिता हेतु प्रत्येक सदस्य कार्यालय से अधिकतम 02 सदस्यों का नामांकन अपेक्षित था। इच्छुक सदस्यों को दिनांक १५ अक्टूबर, २०२४ तक अपनी अपना नामांकन भा.प्रौ.सं. रोपड़ को सूचित करना था।

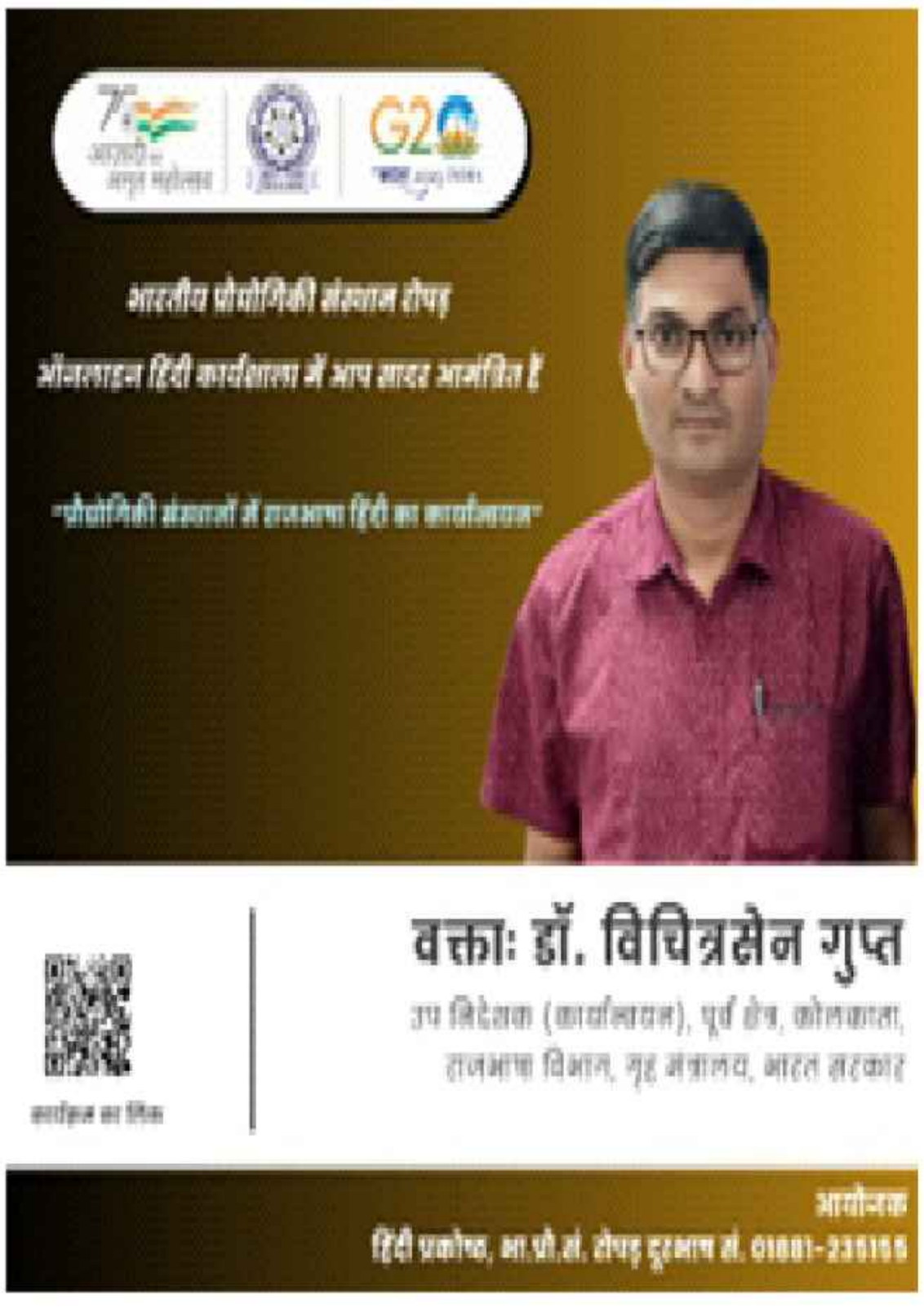
सतर्कता जागरुकता सप्ताह की प्रतियोगिता में सहभागिता

भारतीय प्रौद्योगिकी संस्थान में 28 अक्टूबर से 03 नवंबर 2024 के दौरान सतर्कता जागरुकता सप्ताह मनाया गया। इस सप्ताह के दौरान संस्थान सदस्यों के लिए विभिन्न प्रतियोगिता का आयोजन किया गया। निबंध प्रतियोगिता, पोस्टर मेकिंग तथा वादविवाद प्रतियोगिता का आयोजन किया गया। निबंध प्रतियोगिता और वादविवाद प्रतियोगिता दिनांक 30 अक्टूबर 2024 तथा पोस्टर मेकिंग प्रतियोगिता 01 नवंबर 2024 को आयोजित की गई थी।

हिंदी प्रकोष्ठ के संकाय प्रभारी डॉ. अभिषेक तिवारी ने वादविवाद प्रतियोगिता तथा वरिष्ठ हिंदी अनुवाद अधिकारी डॉ. गिरीश प्रमोदराव कठाणे ने दिनांक 30 अक्टूबर 2024 को आयोजित वादविवाद प्रतियोगिता और निबंध प्रतियोगिता में सहभागिता ली। हिंदी वादविवाद प्रतियोगिता में डॉ. अभिषेक तिवारी को प्रथम पुरस्कार तथा डॉ. गिरीश प्रमोदराव कठाणे को द्वितीय पुरस्कार हेतु चयनित किया गया।

भा.प्रौ.सं. रोपड़ में हिंदी कार्यशाला का आयोजन (दिनांक 13 दिसंबर, 2024)

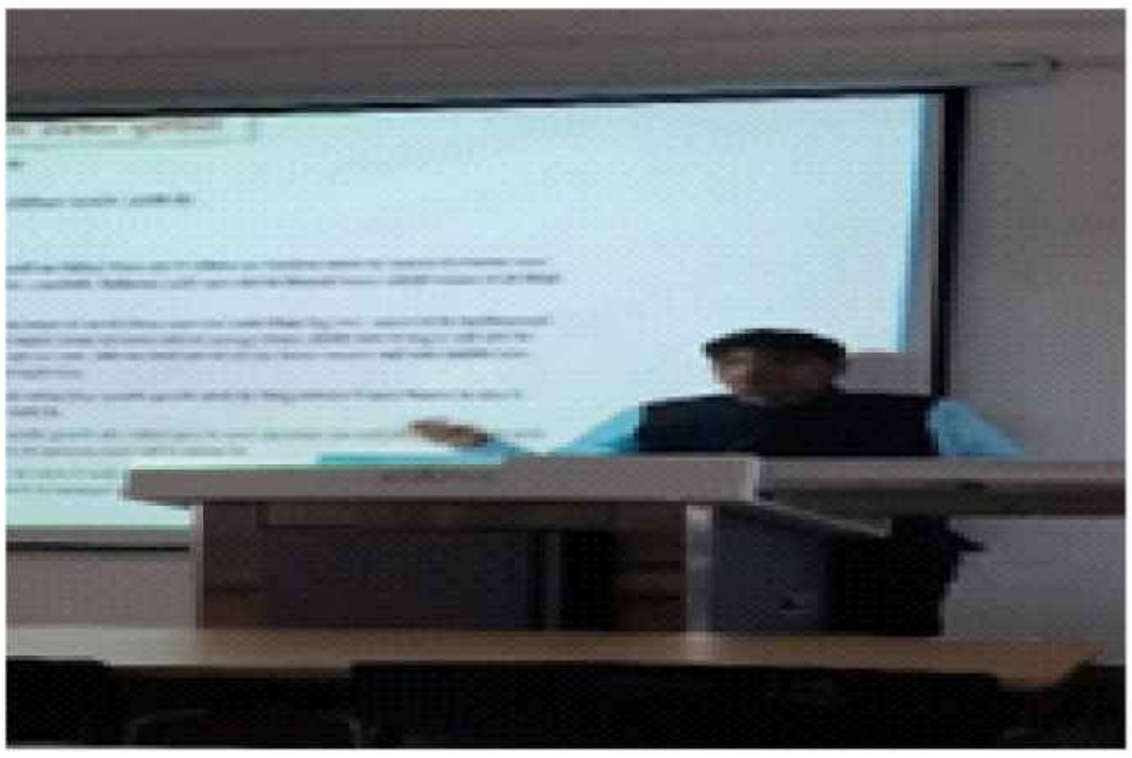
भारतीय प्रौद्योगिकी संस्थान रोपड़ के हिंदी प्रकोष्ठ ने दिनांक 13 दिसंबर, 2024 को आभासीय रुप में हिंदी कार्यशाला का आयोजन संपन्न किया। राजभाषा विभाग, गृह मंत्रालय भारत सरकार के दिशा-निर्देशों के अनुपालन में इस कार्यशाला का आयोजन किया गया।



यह कार्यशाला "प्रौद्योगिकी संस्थानों में राजभाषा हिंदी का कार्यान्वयन" विषय पर आयोजित की गई जिसमें विषय विशेषज्ञ के रुप में उप निदेशक (कार्यान्वयन), पूर्व क्षेत्र, कोलकाता, राजभाषा विभाग, गृह मंत्रालय, भारत सरकार डॉ. विचित्रसेन गुप्त को आमंत्रित किया गया था। इस अवसर पर नराकास रुपनगर के सदस्य कार्यालयों के अधिकारी एवं कर्मचारीगण विशेष रुप से उपस्थित थे। इस कार्यशाला में भारतीय प्रौद्योगिकी संस्थान रोपड़ के कर्मचारियों , अधिकारियों तथा संकाय सदस्यों ने अपनी सहभागिता सुनिश्चित की।

सर्वप्रथम संस्थान के वरिष्ठ हिंदी अनुवाद अधिकारी डॉ. गिरीश प्रमोदराव कठाणे ने आमंत्रित वक्ता महोदय का स्वागत किया। साथ ही, नराकास रुपनगर के सदस्य कार्यालयों से जुड़े अधिकारी एवं कर्मचारिगण, भा.प्रौ.सं. रोपड़ के संकाय सदस्य, अधिकारी एवं कर्मचारिगणों का भी स्वागत किया। डॉ. गिरीश ने डॉ. विचित्रसेन गुप्त जी के जीवन-वृत्त के संबंध में सभी उपस्थिति को जानकारी देते हुए बताया कि डॉ. गुप्त काशी हिंदु विश्वविद्यालय में हिंदी अधिकारी के रुप में एक लंबी अवधि तक अपनी सेवाएं प्रदान कर चुके है।

भा.प्रौ.सं. जोधपुर में शोध आलेख प्रस्तुति हेतु चयन



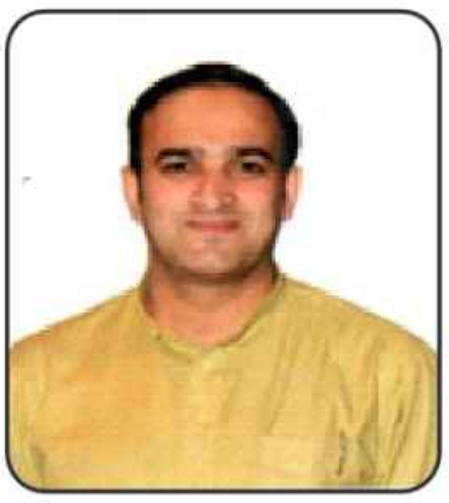
भारतीय प्रौद्योगिकी संस्थान जोधपुर ने भारतीय प्रौद्योगिकी संस्थान इंदौर के साथ संयुक्त तत्वावधान में दिनांक 02 दिसंबर को हिंदी तकनीकी संगोष्ठी का आयोजन संपन्न किया। इस संगोष्ठी में विकसित भारत की दिशा में विज्ञान और प्रौद्योगिकी का योगदान शीर्षक के अंतर्गत वैज्ञानिक, तकनीकी और राजभाषा से संबंधित आलेख आमंत्रित किए गए थे। राजभाषा सत्र के अंतर्गत राष्ट्रीय शिक्षा नीति के क्रियान्वयन के लिए भारतीय भाषाओं में शिक्षा संबंधित चुनौतियां एवं समाधान विषय पर भा.प्रौ.सं. रोपड़ के वरिष्ठ हिंदी अनुवाद अधिकारी डॉ. गिरीश प्रमोदराव कठाणे ने द्वारा भेजा गया आलेख दिनांक 02 दिसंबर 2024 को आयोजित की जा रही संगोष्ठी में प्रस्तुति हेतु चयनित किया गया। डॉ. गिरीश ने दिनांक 02 दिसंबर 2024 को इस तकनीकी संगोष्ठी में राजभाषा सत्र के अंतर्गत अपने आलेख की सफलतापूर्वक प्रस्तुति दी।

INFRASTRUCTURE DEVELOPMENT

The Indian Institute of Technology Ropar (IIT Ropar) continues to strengthen its infrastructure to support academic, residential, and recreational needs. The Har Gobind Khorana Block is a state-of-the-art academic facility that houses seven key departments, featuring modern research laboratories, seminar halls, faculty offices, and dedicated seating spaces for PhD scholars. On the residential front, the Brahmaputra Hostel accommodates up to 520 students in a mix of single and triple occupancy rooms and offers common and recreational areas to foster a vibrant student life. The campus also includes well-planned housing for faculty and staff: Type 6 Residences consist of six blocks (G+1) with four apartments each, Type 5 Residences comprise three blocks (G+3) with eight apartments per block, and Type 3 Residences feature two blocks (G+2) with 12 apartments each. Enhancing the sports infrastructure, a new pavilion with separate changing room for boys and girls is being constructed near the cricket field in the Sports Zone. This multi-purpose facility not only supports athletic events but also improves the overall spectator and participant experience, reflecting the Institute's commitment to holistic campus development.

NEW JOININGS

Sh. Bijendra Kumar Meena
Junior Technical Superintendent



Sh. Krishan Kumar
Junior Technical Superintendent

Dr. Neetu Bansal
Technical Officer

Sh. Sarbjeet Singh
Junior Assistant

Sh. Jitender Kumar Sayal
Junior Assistant

Sh. Pankaj Kumar
Junior Technical Superintendent

Ms. Athira K Ashokan
Senior Lab Assistant

Sh. Ravinder Singh
Junior Superintendent

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