



Prajwalam

Indian Institute of Technology Ropar

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DIRECTOR'S MESSAGE



It gives me immense pride to present this edition of the IIT Ropar Newsletter, chronicling the vibrant activities, remarkable achievements, and forward-looking initiatives that have shaped the Institute.

Over the past six months, IIT Ropar has reaffirmed its unwavering commitment to excellence in education, research, innovation, and social impact. From securing the prestigious ₹100 crore ANRF-PAIR grant to pioneering indigenous defense and agricultural technologies, our journey has been marked by transformative milestones. Our strong presence at national and international conferences, successful MoUs with esteemed global institutions, and the launch of India's first degree program in Digital Agriculture reflect our expanding academic and research footprint.

We celebrated the 16th Foundation Day not just as a moment of reflection, but as a reaffirmation of our mission to lead with purpose. The growing strength of our Technology Business Incubator Foundation (TBIF), the enthusiastic participation in women-led empowerment initiatives, and our leadership in sustainable innovation exemplify our holistic and inclusive approach to progress.

I express my heartfelt congratulations to our faculty, researchers, students, and alumni for their outstanding contributions. Their relentless pursuit of excellence and collaborative spirit continue to fuel our collective success.

As we move ahead, IIT Ropar remains committed to becoming a catalyst for national development and global innovation. Let us continue to inspire, innovate, and create a future rooted in knowledge, resilience, and impact.

Warm regards,
Prof. Rajeev Ahuja
Director, IIT Ropar

EVENTS & ACTIVITIES

METRIX 2025: Celebrating Innovation at the 6th Edition of IIT Ropar's Mechanical Engineering Symposium

The Department of Mechanical Engineering at IIT Ropar successfully hosted the 6th edition of METRIX on January 6–7, 2025—an event that brought together research scholars, faculty members, and industry professionals for a dynamic exchange of innovative ideas. Since its inception in 2018, METRIX has served as a premier platform for fostering collaboration and knowledge-sharing across academia and industry. This year's edition continued the tradition with renewed vigor, offering fresh inspiration and setting a promising tone for the future of mechanical engineering research.



METRIX 6.0

Driving Atmanirbhar Bharat: Indigenous Conductive Ink Technology Licensed to Startups in Punjab and Telangana

In a noteworthy advancement toward self-reliance in advanced electronics, India has transferred its indigenous silver nanowire-based conductive ink technology to two promising startups—Chematico Technologies Pvt. Ltd. (incubated at IIT Ropar, Punjab) and Vasanthbala Functional Materials Pvt. Ltd. (incubated at NIT Warangal, Telangana). Developed through a collaborative project funded by the Ministry of Electronics and Information Technology (MeitY), Government of India, the technology was jointly implemented by Prof. Sarang Gumfekar of IIT Ropar and Prof. Shirish Sonawane of NIT Warangal. This milestone reflects a strong academia-industry partnership and

marks a crucial step toward strengthening India's indigenous capabilities in functional materials and next-generation electronic components.



Lohri Celebration

The Indian Institute of Technology Ropar family gathered at the Senate Hall to celebrate Lohri, embracing the spirit of unity, gratitude, and recognition of collective efforts. The event began with an inspiring address by Director Prof. Rajeev Ahuja, who highlighted the institute's major accomplishments over the past year, including groundbreaking initiatives that demonstrated excellence across various domains. He also emphasized the importance of continuous innovation and sustainable development, encouraging the community to stay committed to progress and meaningful contributions.



IIT Ropar Visits School of Artillery, Deolali

A delegation from IIT Ropar, led by Director Prof. Rajeev Ahuja, visited the School of Artillery in Deolali to explore collaborative opportunities aimed at advancing the Indian Army's artillery capabilities. During the visit, the team engaged in meaningful discussions with Lt Gen N. S. Sarna, Commandant of the School of Artillery, and other senior officials on technological innovations and operational preparedness. Looking ahead, both institutions are enthusiastic about establishing a Centre of Expertise to drive innovation in defence technology, with a vision to empower startups, MSMEs, innovators, and strategic collaborators in contributing to the future of India's defence sector.



iHub-AWaDH at Indian Institute of Technology, Ropar celebrates National Startup Week

In celebration of National Startup Week, iHub-AWaDH at IIT Ropar hosted an engaging session with students to inspire innovation and entrepreneurial thinking. During the event, a grant of ₹5 lakh was awarded to Deepak Garg, Founder of Innow8, in recognition of their impactful work in STEM education. This initiative underscores the power of innovative ideas in transforming learning experiences for students. Over the years, iHub-AWaDH has served as a catalyst for visionary startups, consistently promoting innovation and sustainability.



IIT Ropar at PIWOT 2025: Showcasing Cutting-Edge Innovations

IIT Ropar took part in the PanIIT World of Technology Summit (PIWOT) 2025, held from January 17–19 at the Jio World Convention Centre in Mumbai. Centered around the theme “Technology at Work,” the summit highlighted the transformative role of digitalization across industries, governance, and society. Represented by Dr. Neha Sardana, Dean of International Relations & Alumni Affairs, along with the Technology Business Incubator Foundation (TBIF) team, IIT Ropar presented impactful innovations in areas such as healthcare, robotics, and social development. The event served as a dynamic platform for fostering collaboration among academia, startups, corporates, and global thought leaders.



IIT Ropar Weightlifting Team Wins General Championship at 57th Inter-IIT Sports Meet

Prof. Rajeev Ahuja, Director of IIT Ropar, extended heartfelt congratulations to the institute's weightlifting team for their outstanding performance and victory at the 57th Inter-IIT Sports Meet. Securing the prestigious General Championship (GC) title, the team's success is a testament to their dedication, discipline, and relentless hard work. Prof. Ahuja's constant support and motivation played a pivotal role in inspiring the athletes to achieve this milestone, bringing immense pride and recognition to the IIT Ropar community.



Ed-Vantage 2025: Empowering Future Careers at IIT Ropar

IIT Ropar hosted Ed-Vantage 2025, a two-day career workshop held on January 24–25, 2025, organized by the Metallurgical and Materials Society (MetSoc) in collaboration with iHub-AWaDH. Designed to empower students with the skills and insights needed to thrive in a dynamic global environment, the workshop offered valuable guidance on career development and planning. It served as an inspiring platform to prepare students for professional excellence while encouraging purpose-driven growth and commitment to their future paths.



CYNOSURE 8.0 and National Symposium on Advances in Mathematics Held at IIT Ropar

On 15th February 2025, the Department of Mathematics at IIT Ropar successfully organized Cynosure 8.0 alongside the National Symposium on Advances in Mathematics. The event brought together over 100 participants from various institutions, fostering an enriching environment for academic exchange, collaboration, and networking among students, researchers, and faculty. Highlighted by invited talks from eminent speakers such as Prof. S. K. Tomar (Vice Chancellor, J.C. Bose University) and Prof. S. K. Khanduja (IISER Mohali), the symposium featured paper presentations, poster sessions, and engaging activities like quiz competitions. It served as a platform to promote contemporary mathematical research, encourage critical thinking, and inspire young mathematicians to pursue careers in academia and research.



Celebrating the 76th Republic Day at IIT Ropar

IIT Ropar marked the 76th Republic Day with vibrant celebrations on campus, beginning with a flag-hoisting ceremony and a march-past. Director Prof. Rajeev Ahuja delivered an inspiring speech, emphasizing the vital role of youth, teamwork, and a unified national vision. He urged everyone to carry forward the spirit and courage of our freedom fighters to build a visionary and developed India—not just as a dream but as a shared way of life. Prof. Ahuja highlighted IIT Ropar's remarkable achievements, including substantial research growth, impactful contributions across sectors, and a thriving startup ecosystem that now hosts over 150 startups, including 25% of India's deep tech ventures. He also noted the institute's strong collaborations with the armed forces and upcoming campus expansion plans. Stressing the importance of a robust alumni network, he acknowledged its key role in future growth. The celebration also recognized the institute's

sporting excellence, with students and staff winning gold medals. The speech concluded with a heartfelt call for unity and collective effort to make India a great and progressive nation.



Celebrating the International Day of Women and Girls in Science at IIT Ropar

On February 11th, 2025, IIT Ropar, in collaboration with INYAS, proudly celebrated the International Day of Women and Girls in Science. The event was a great success, featuring inspiring talks by distinguished women experts across Physics, Biology, Chemistry, and Mathematics—true role models who shared their passion and knowledge. The Poster Evaluation held at the SDB Open Area provided an excellent platform for networking and engaging discussions. Our special congratulations to the winners of the poster-making competition from Bela College, whose creativity and efforts were truly commendable.



CESAFIESTA 3.0

On February 8–9, 2025, IIT Ropar proudly hosted CESAFIESTA 3.0, a dynamic two-day symposium that united leading experts, industry pioneers, and emerging talents in civil engineering to envision the future of our built environment. The event was graced by Shri Amardeep Singh Rai, ADGP Punjab, whose inspiring inaugural address set a powerful tone for a gathering defined by excellence, collaboration, and cutting-edge innovation. With national and international delegates joining from around the world, the symposium fostered enriching discussions and valuable networking, significantly enhancing its impact on the civil engineering community.



16TH FOUNDATION DAY OF IIT ROPAR

IIT Ropar Celebrates 16th Foundation Day with Inspiring Talks and Workshops

On February 21, 2025, IIT Ropar commenced its 16th Foundation Day celebrations with a day full of inspiring talks and interactive workshops. The event featured a keynote address by Mr. Shaurya Doval, Managing Director of TORCH INVESTMENTS LIMITED and Director at India Foundation. A Capacity Building Workshop followed, led by Sh. Vivek Atray (Ex-IAS, Motivational Speaker, Author, Mentor) and Col. Daljeet Singh Cheema (Retd., Management Consultant, Author, Mentor), focusing on enhancing performance, people skills, and the pursuit of excellence. Participants also engaged in meaningful discussions and toured the academic departments and research centers, gaining deeper insights into the institute's progress and achievements. This marked the beginning of a week-long celebration honoring IIT Ropar's remarkable journey.



IIT Ropar Celebrates 16th Foundation Day with Startup and Innovation Showcase

As part of its 16th Foundation Day celebrations, IIT Ropar's Technology Business Incubator Foundation (TBIF) hosted a prestigious Startup and Innovation Showcase featuring Lt Gen Manoj K. Katiyar, General Officer Commanding Western Command, and Prof. Rajeev Ahuja, Director of IIT Ropar. The event was also attended by senior military officials including Maj Gen Ajay Mahajan, Maj Gen Sunil Rampal, Brig Yogesh Kaura, and Col Dinesh. Dr. Atharva Poundarik, Director of TBIF, presented the faculty- and student-led startups emerging from IIT Ropar, with a special focus on defense-related innovations. Lt Gen Surinder Singh Mahal (Retd.), former Army Commander, emphasized the critical role of cutting-edge technologies in modern defense. The showcase highlighted breakthrough innovations such as small arms technology, UAV systems, drone forensics, FPV drones with VR, RTK drones, gasoline-powered unmanned helicopters, electronic warfare solutions, biomedical advancements, and metal printing technologies. The dignitaries applauded the ingenuity of these startups and offered valuable insights to enhance their defense applications. The event culminated in the signing of a Memorandum of Understanding (MoU) between Western Command and IIT Ropar, reinforcing collaboration in defense innovation and advancing India's Atmanirbhar Bharat vision for self-reliance in defense technology.



Celebrating 16 Years of Excellence at IIT Ropar

On February 24, 2025, IIT Ropar commemorated its 16th Foundation Day, celebrating remarkable achievements in academics, research, and innovation. Dr. G. Satheesh Reddy, former Chairman of DRDO, delivered a compelling speech highlighting India's defense and technological progress and emphasizing IIT Ropar's pivotal role in shaping modern education. Prof. Rajeev Ahuja, Director of IIT Ropar, showcased the institute's rapid growth, including its defense center's integration with all military branches, a ₹300 crore grant for AI in Agriculture, robust support for startups via the Technology Business Incubator Foundation, and the launch of India's first degree program in Digital Agriculture. The event also recognized outstanding contributions through the Institute Staff Service Recognition Awards, Faculty Research and Innovation Awards, and Emerging Young Alumni Awards. As IIT Ropar embarks on its 17th year, it remains committed to advancing research, fostering innovation, and shaping the future of higher education.



Visitor's Conference at Rashtrapati Bhavan: Shaping the Future of Higher Education in India

The two-day Visitor's Conference at Rashtrapati Bhavan convened leaders from academia, industry, and policy to chart the future of higher education in India. In her concluding address, Hon'ble President Smt. Droupadi Murmu emphasized the need for a globally competitive education system, stronger academia-industry collaboration, and research-driven self-reliance to fuel national progress. Union Education Minister Shri Dharmendra Pradhan highlighted the transformative role of NEP 2020 in fostering flexibility, innovation, and student-centric growth. Prof. Rajeev Ahuja, Director of IIT Ropar, underscored the importance of translational research in connecting academic discoveries with practical applications. Key outcomes focused on promoting academic flexibility, enhancing credit-sharing systems, boosting research and innovation, and aligning education with India's vision for 2047. The conference's insights are poised to shape a knowledge-driven, self-reliant India's education landscape.



IIT Ropar and Coventry University Explore Joint Centre of Excellence in Applied AI

Prof. Rajeev Ahuja, Director of IIT Ropar, recently met with representatives from Coventry University to discuss establishing a Joint Centre of Excellence in Applied AI. This collaboration aims to merge Coventry's advanced research facilities and expertise with IIT Ropar's innovation-driven technology approach, particularly in artificial intelligence. The ongoing dialogue marks a significant step toward strengthening joint AI research initiatives and creating valuable opportunities for innovation and student development.



IIT Ropar Strengthens Ties at Shastri Bi-National Education Forum 2025

Dr. Neha Sardana, Dean of International Relations and Alumni Affairs at IIT Ropar, represented the institute at the Shastri Bi-National Education Forum (SBEF) 2025, held on March 27-28 at the National Museum, New Delhi. Themed "Bridging Borders with Sustainable Academic Collaborations," the forum provided a platform to foster Indo-Canadian academic partnerships. Dr. Sardana's participation underscored IIT Ropar's commitment to expanding international cooperation and advancing sustainable, cross-border educational initiatives.



International Women's Day

IIT Ropar Kicks Off Week-Long International Women's Day Celebrations

Indian Institute of Technology Ropar proudly launched its week-long International Women's Day festivities starting April 3, 2025, with a vibrant Rangoli competition, live music, and melodious singing, setting an exciting and joyful tone for the celebrations. Kudos to the Women's Forum members for organizing such an enchanting opening event. The institute also marked International Women's Day on March 8th with great enthusiasm and inclusivity, featuring a traditional dress fashion show, talent showcase, and a lively gol gappe eating competition—bringing together participants of all genders in a spirited celebration of unity and joy.



IIT Ropar Celebrates International Women's Day with Empowering Sessions

The Women Forum at IIT Ropar hosted a week-long International Women's Day celebration from March 7-12, 2025, featuring insightful sessions on empowerment, well-being, and gender inclusivity. On Day 4, the institute welcomed Ms. Ririi G Trivedi, a mental health and positive parenting expert, for a session titled "Juggling Jobs & Juice Boxes: The Work-Life Balance Act." Ms. Trivedi explored the science of stress, its impact on the nervous system, and shared practical techniques—like humming, chanting, and Emotional Freedom Techniques (EFTs)—to help attendees manage stress and restore balance. Students, faculty, and staff actively participated, emphasizing the importance of self-care for sustainable work-life harmony. Dr. Neha Sardana, Chairperson of the Women Forum Committee, noted how such discussions foster a more inclusive and supportive academic environment. The celebrations concluded on March 12 with a powerful Kalarippayattu performance, symbolizing resilience and the spirit of women's empowerment.



IIT Ropar Showcases Defence Innovations at MECH TECH 2025

IIT Ropar's Technology Business Incubator Foundation (TBIF) and the Centre of Excellence for Studies and Applied Research in Defence and Security (CoE-SARDS) actively participated in MECH TECH 2025, held March 3-4 at Chandi Mandir. Organized by Western Command in collaboration with SIDM and CII, the event brought together over 300 participants from the defence industry, startups, and academia. TBIF proudly showcased cutting-edge technologies developed by its incubated startups, underscoring IIT Ropar's dedication to advancing indigenous defence innovations and strengthening India's security ecosystem.



Industry Talk by Stratify Club, MSDSM at IIT Ropar

Stratify, the student club of MSDSM at IIT Ropar, recently hosted an insightful Industry Talk featuring Mr. Palash Bhattacharya, Director of Analytics at Samsung SDS. The session, titled "The Pervasive Influence of Data Science on Contemporary Business Paradigms," provided valuable perspectives on data-driven decision-making and its transformative impact across various industries. Initiatives like this play a vital role in strengthening industry-academia collaboration and motivating students to explore the evolving field of data science.



Syntacs 25: A Celebration of Innovation and Insight at IIT Ropar

The Department of Computer Science and Engineering at IIT Ropar hosted Syntacs 25, an engaging event that brought together academia, industry experts, and students through inspiring talks, demonstrations, and poster sessions spotlighting the latest in technology. Key highlights included expert talks by Dr. Debabrata Nayak, Mr. Tejinder Jassal, and Dr. Yogesh Simmhan covering topics like 5G, AI, ML, Blockchain, Large Language Models, and edge computing; a panel discussion on research, PhD journeys, and career pathways emphasizing industry-academia collaboration; innovative posters and demos in AI, VR, stress detection, healthcare, and multimedia; a special Women's Day panel addressing gender perspectives and work-life balance; and a lively alumni meet-up reconnecting former PhD scholars to strengthen the Syntacs community.



IIT Ropar Showcases Academic Excellence at Study in India Pavilion, Yashobhoomi

From March 25–28, 2025, IIT Ropar actively participated in the Study in India Pavilion at Yashobhoomi, New Delhi. The institute's booth attracted numerous visitors eager to learn about its diverse academic programs, cutting-edge research initiatives, and collaboration opportunities. This event served as a valuable platform for IIT Ropar to engage with prospective partners and reaffirm its dedication to fostering global academic excellence.



EE Research Day 2025 at IIT Ropar: Showcasing Innovation and Talent

The Department of Electrical Engineering at IIT Ropar hosted EE Research Day 2025, inaugurated by Prof. Rajeev Ahuja, Director of IIT Ropar. The event featured keynote speeches by industry leaders Mr. KP Sharma (VP, Schneider) and Dr. Parthasarathy Ramaswamy (VP, Intel), who shared insights on IoT, AI, ML, robotics, automation, and data centers. Students from various institutions actively participated in poster and paper presentations, circuit design challenges, demonstrations, and a hands-on embedded systems workshop. Competition winners included Shivdeep (Poster Presentation, 1st), Azhar Yaseen N J (Paper Presentation, 1st), Aman Mittal (Circuit Design, 1st), and Aaqib Ahmad (Demonstrations, 1st). Special thanks were extended to Prof. Reddy C. C., the faculty, IEEE IIT Ropar Student Chapter, and the student organizing team for their exceptional efforts in making the event a success.



Stratify Club Drives Innovation and Wellness at IIT Ropar

The Stratify Club at IIT Ropar organized two impactful initiatives showcasing innovation and community care. In partnership with ENN Opticals, Fastrack, Titan Eye+, and Opium Eyewear, the club hosted a Free Eye Testing Camp at the Utility Circle, providing complimentary eye check-ups to students, faculty, and staff while promoting eye health awareness. Additionally, the club conducted a Case Study Competition focused on AI-driven solutions to real-world challenges faced by Gazelle Information Technologies. Judged by Dr. Amrithesh, Assistant Professor at IIT Ropar, the competition highlighted participants' technical skills and creativity. Special thanks to Mrs. Sonali for sponsoring the event and presenting prizes to the winners.



IIT Ropar Successfully Hosts PHYCON-25 National Physics Conference

The Department of Physics at IIT Ropar successfully organized PHYCON-25, a prestigious two-day national conference that brought together over 250 researchers and academicians from across India. Inaugurated by Prof. Rajeev Ahuja, Director of IIT Ropar, and convened by Dr. Kailash Jena, the event featured plenary talks from renowned scientists including Prof. Satishchandra Ogale, Prof. Anand Jha, Prof. M. Krishnamurthy, Prof. Peter Kruse, and Prof. Raghunath Sahoo. Topics ranged from sustainable energy and quantum imaging to ultrafast lasers, sensors, and particle physics. Industry sessions by Nexus Analyticals and New Age Instruments highlighted academia-industry collaboration. The conference also showcased active student involvement through oral and poster presentations across various physics fields. The event concluded with an awards ceremony and a vote of thanks by Dr. Ritu Gupta, Co-Convener, along with the announcement of PHYCON-26.



Nalanda Library Hosts Expert Session on Scholarly Publishing and Open Access in STEM

Nalanda Library, IIT Ropar, in collaboration with Taylor & Francis Group, organized an insightful session titled "Publish Scholarly Books & Open Access in Science, Technology, Engineering, and Innovation," featuring Mr. Gauravjeet Singh Reen, Senior Editor at CRC Press. The event offered valuable guidance on the publishing and peer-review processes, Open Access models, and effective use of tools like the Journal Suggester. Mr. Reen highlighted common reasons for manuscript rejection—such as journal mismatch, lack of originality, or ethical concerns—and shared practical tips for improving and resubmitting work. The session also covered book series publishing and concluded with an engaging Q&A. Special thanks were extended to Mr. Reen and the Taylor & Francis team for providing this enriching learning opportunity.



Prof. Rajeev Ahuja Meets CAG Shri K. Sanjay Murthy to Explore AI Innovations in Auditing

Prof. Rajeev Ahuja, Director of IIT Ropar, recently met Shri K. Sanjay Murthy, Comptroller and Auditor General (CAG) of India, in New Delhi to discuss IIT Ropar's progress in research, innovation, and modern teaching methods. The meeting focused on exploring how Artificial Intelligence (AI) can revolutionize auditing processes, opening new avenues for transformative advancements in the field. Prof. Ahuja also shared updates on IIT Ropar's pioneering initiatives, including the AI Center of Excellence, ANNAM.AI, which advances AI applications in AgriTech, along with impactful skill development programs aimed at nurturing future innovators. Shri Murthy, a close friend of IIT Ropar, encouraged the institute to continue scaling new heights with timely motivation and support.



IIT Ropar's Director Prof. Rajeev Ahuja and ANNAM.AI Team Engage with Principal Scientific Adviser Prof. Ajay K. Sood

Prof. Rajeev Ahuja, Director of IIT Ropar, along with the ANNAM.AI team, recently held a highly productive meeting with Prof. Ajay K. Sood, Principal Scientific Adviser, at his New Delhi office. The meeting also included key officials from the Ministry of Education, including Mrs. Saumya Gupta, Joint Secretary, among others. Discussions focused on advancing AI initiatives under IIT Ropar's Center of Excellence, ANNAM.AI, particularly in the field of intelligent, tech-assisted agriculture. This important dialogue underscores IIT Ropar's dedication to pioneering innovative AI research and fostering strategic collaborations that propel India's technological progress. More updates on this exciting journey of innovation and excellence are forthcoming.



IIT Ropar Hosts Indian Edition of Harvard's Global Health Systems Innovation Hackathon 2025

IIT Ropar proudly hosted the Indian edition of Harvard's Global Health Systems Innovation Hackathon 2025 at the Dr. Ranbir Singh Tinkerers' Laboratory, serving as the India Hub for the event organized by Harvard Health Systems Innovation Lab. Focused on "Building High-Value Health Systems: Leveraging Artificial Intelligence," six interdisciplinary teams developed AI-driven healthcare solutions under expert mentorship. The winning team, PiedPiper, showcased HospitalAI, an AI-powered call management system designed to streamline hospital workflows and enhance patient care. Participants addressed real-world challenges such as EHR analysis, AI-based diagnosis, and mental health support. Backed by IIT Ropar leadership and a panel of esteemed mentors, the hackathon underscored the institute's dedication to healthcare innovation through AI. PiedPiper now advances to a 2-week Bootcamp with the potential to join the prestigious HSIL Venture Incubation Program.



Prof. Rajeev Ahuja Meets Dr. Vinod K. Paul to Discuss Centre of Excellence in Digital Health at IIT Ropar

Prof. Rajeev Ahuja, Director of IIT Ropar, recently held a meeting with Dr. Vinod K. Paul, Member of NITI Aayog, in New Delhi to explore the creation of a Centre of Excellence (CoE) in Digital Health at IIT Ropar. This center is envisioned to spearhead advancements in digital health technologies by promoting collaboration with leading medical institutions and focusing research efforts on telemedicine, AI-driven diagnostics, wearable health devices, and digital health records. Emphasizing improved healthcare access, particularly in rural areas, the initiative aims to bridge technology, healthcare, and policy, delivering impactful solutions for India's health system. This partnership represents a significant milestone in transforming healthcare delivery and expanding accessibility through digital innovation.



IIT Ropar Awarded ₹100 Crore PAIR Grant — One of Only Seven Selected Nationwide

Indian Institute of Technology Ropar has secured a prestigious ₹100 crore grant under the ANRF-PAIR (Partnerships for Advanced Interdisciplinary Research) initiative, becoming one of just seven consortia chosen across India. As the lead institute of the DREAMS Consortium (Dynamic Research Ecosystem for Advanced Materials Science), IIT Ropar is spearheading interdisciplinary research to strengthen research infrastructure in Northern India while fostering close collaboration with regional universities. The consortium targets three major focus areas: Materials for Mobility & Structures, Materials for Electronic, Photonic & Quantum Devices, and Energy Harvesting & Storage. Operating on a hub-and-spoke model, IIT Ropar serves as the central hub connecting seven partner institutions throughout Northern India, promoting innovation, mentorship, and capacity building. This grant marks a significant achievement, underscoring IIT Ropar's pivotal role in advancing India's scientific landscape and contributing to the nation's Aatmanirbhar Bharat and net-zero emissions ambitions.



Celebrating the Year of Cooperatives: HARVEST Asia Pacific Summit on Smart & Sustainable Agriculture Launches at IIT Ropar

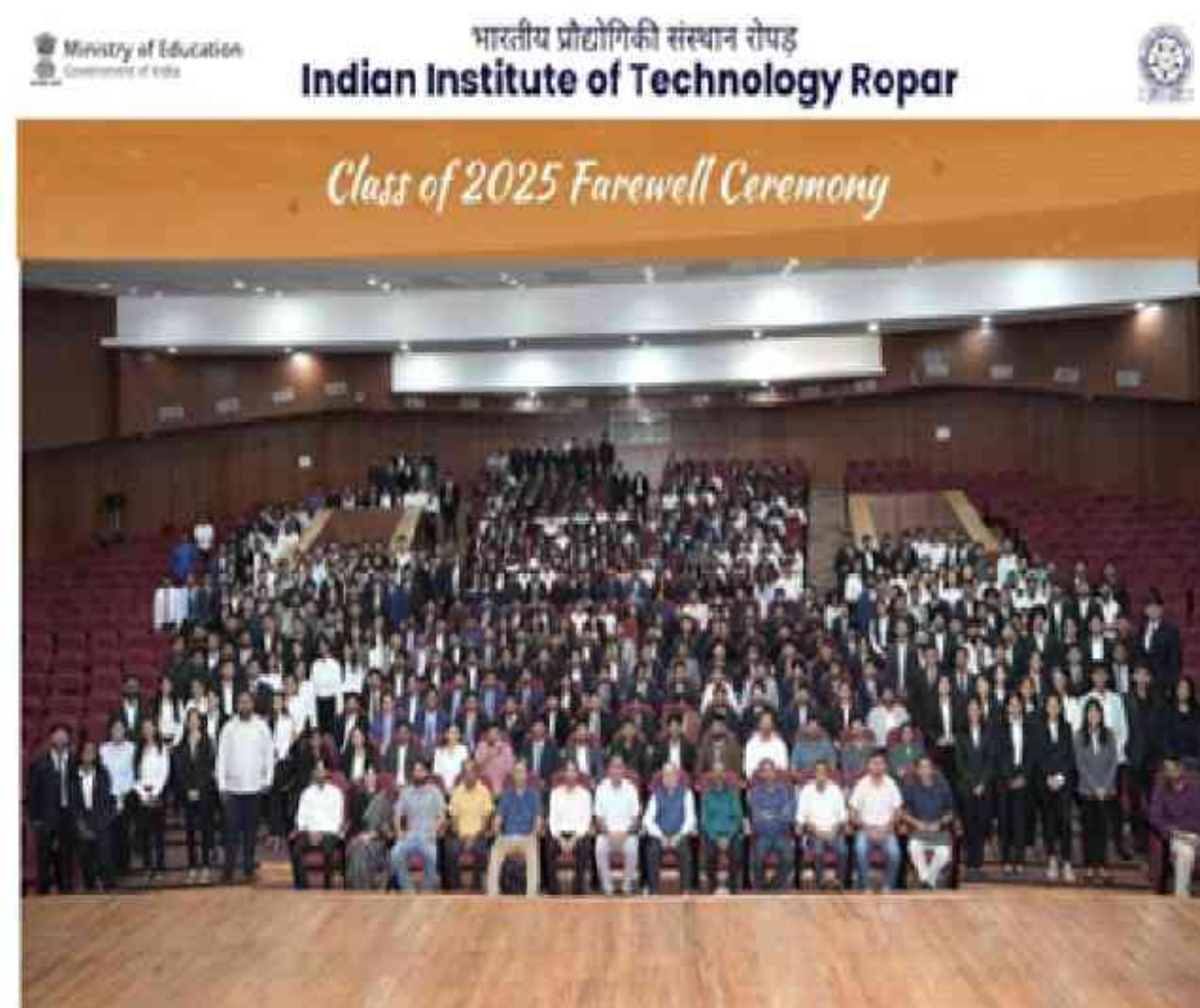
The HARVEST Asia Pacific Summit, launched on April 21, 2025, is a week-long gathering that unites Farmer Producer Organizations (FPOs) and cooperatives from 10 Indian states and 7 Asia-Pacific countries to explore innovative, technology-driven approaches for sustainable agriculture. Jointly organized by NEDAC (Network for the Development of Agricultural Cooperatives in Asia and the Pacific), PI-RAHI, and the Northern Region Science & Technology Cluster, with support from Unati Cooperative, the summit focuses on empowering rural value chains and strengthening grassroots leadership. The inaugural day at IIT Ropar featured a keynote by Dr. Jatinder Kaur Arora, insights on AI-powered agri-innovations by Dr. Radhika Trikha from iHub-AWaDH, and expert-led discussions. A major highlight was the signing of an MoU between NEDAC and PI-RAHI to boost capacity-building initiatives. Aligned with the United Nations' 2025 International Year of Cooperatives, themed "Cooperatives Build a Better World," the summit will proceed with field visits and thematic sessions at various institutes to promote cooperative-driven advancements in agriculture.

Triakha, CEO of iHub-AWaDH, highlighted the urgent need for innovative solutions while motivating young attendees to contribute. Esteemed experts such as Dr. Vinod Kumar, Dr. Dhiraj Kumar Mahajan, Dr. Rajwinder Kaur, Amandeep Singh, and Mr. Aatif Jamal shared valuable perspectives. Supported by the NM-ICPS mission, the event underscored the importance of knowledge exchange and community involvement in addressing regional environmental challenges.



IIT Ropar Bids a Heartfelt Farewell to the Graduating Class of 2025

Indian Institute of Technology Ropar proudly celebrates the remarkable achievements of the graduating Class of 2025. As we honor their milestones, we extend our warmest wishes for their future endeavors. The farewell ceremony was a touching and proud moment, bringing together students, faculty, and staff to acknowledge their hard work and dedication. We are immensely proud of all they have accomplished and eagerly anticipate the incredible impact they will make as they embark on new journeys. Here's to the bright futures ahead for our brilliant graduates!



Celebrating the Year of Cooperatives: HARVEST Asia Pacific Summit on Smart & Sustainable Agriculture to Empower FPOs and Cooperatives

HARVEST Asia Pacific Summit on Smart and Sustainable Agriculture begins at IIT Ropar



Punjab Samvad 7.0 at IIT Ropar iHub-AWaDH Tackles Critical Environmental Challenges in the Region

The seventh edition of Punjab Samvad, organized by IIT Ropar's iHub-AWaDH, convened thought leaders, innovators, and students to confront pressing environmental issues in Punjab. Centered on the theme "Changing Environment of Punjab: The Biggest Challenge," the event focused on water management, air quality, and sustainable agricultural technologies. Over 60 students from a local Government School in Ropar actively participated, fostering youth engagement in environmental responsibility. Dr. Radhika

Ministry of Education
Government of India

भारतीय प्रौद्योगिकी संस्थान रोपर
Indian Institute of Technology Ropar



Class of 2025 Farewell Ceremony

Cyber Defense Workshop “Learn.Hack.Defend” Hosted by CSE Department, IIT Ropar in Collaboration with ANNAM.AI and CRAC Learning

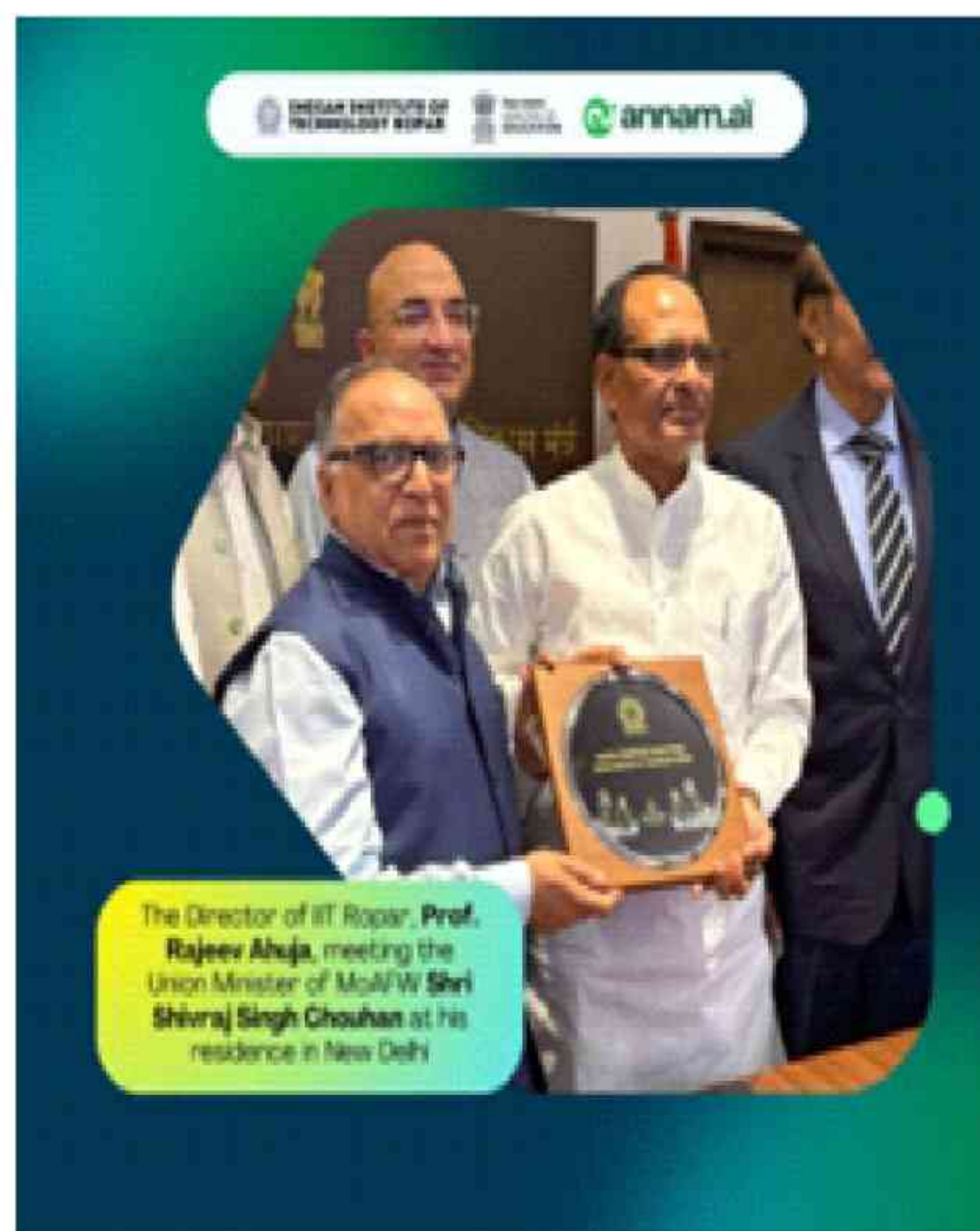
The Department of Computer Science & Engineering at IIT Ropar, in partnership with ANNAM.AI and CRAC Learning, successfully conducted the hands-on Cyber Defense Workshop titled “Learn.Hack.Defend.” Esteemed expert Prof. Sandeep Shukla from IIT Kanpur provided deep insights into cybersecurity and critical infrastructure protection, while Swati L., Founder of CRAC Learning, expertly led participants through practical sessions. The workshop featured immersive lab exercises, enabling attendees to develop hands-on experience with cyber defense tools and techniques. The event culminated in a thrilling Capture the Flag (CTF) competition, showcasing the sharpest cybersecurity talents. This initiative marks a vital stride in nurturing skilled professionals equipped to tackle challenges in the dynamic cybersecurity landscape. Heartfelt thanks to all speakers, participants, and organizers for their contributions to the workshop's success.



Advancing Sustainable Farming: IIT Ropar's Digital Agriculture Vision with Ministry of Agriculture

Prof. Rajeev Ahuja, Director of IIT Ropar, recently met with Union Minister Shri Shivraj Singh Chouhan of the Ministry of Agriculture & Farmers Welfare to discuss advancing digital agriculture in India. The dialogue emphasized empowering farmers through AI-driven technologies, precision farming, and data-centric solutions aimed at boosting productivity and sustainability. A highlight of the discussion was IIT Ropar's ANNAM.AI platform, an AI-powered innovation set to transform India's agricultural landscape. Additionally, the AI Center of Excellence on Digital Agriculture, launched under the Ministry of Education, will address critical challenges such as soil health management, crop disease prediction, and supply chain optimization. As India moves toward an AI-

enabled agricultural future, collaborations between academia and government like this are essential to ensure scalable technology adoption that truly benefits farmers. With IIT Ropar leading the way, the nation is poised for a digital revolution in smart and sustainable farming.



INITIATIVES

IIT Ropar Launches India's First Minor in Engineering Education for PhD Scholars

IIT Ropar has introduced a pioneering Minor in Engineering Education for its existing PhD students, making it the first institute in India to offer such a program. Developed by the Center for Engineering Education (CEE), established in 2023, the Minor comprises four courses—two core and two electives—focused on pedagogy, curriculum design, education technology, and academic management. Core courses include “ED501: Administration & Management of Engineering Education” and “ED502: Learning Theory, Pedagogy, and Assessment in Engineering Education.” Approved by the Senate and Board of Governors, the program will launch in Semester I of the 2025–26 academic year, aligning with the 5th anniversary of NEP 2020. Open to PhD students across all departments who have cleared their comprehensive examination, the program is free of cost and offers a separate Minor certificate and marksheet to boost academic career prospects.

AWARDS AND RECOGNITIONS

FACULTY:

- Dr. Anupam Bandyopadhyay was honored with the Young Scientist Award by the Indian Peptide Society on February 26, 2025.
- Dr. Anupam Bandyopadhyay was appointed Regional Editor of Current Protein and Peptide Science and Protein and Peptide Letters by Bentham Science Publishers starting March 2025.
- Dr. Rajendra Srivastava has been inducted as an Editorial Board Member of ChemCatChem from January 2025 onwards.
- Dr. Soumyajit Das has been selected as the recipient of the 'Thieme Chemistry Journals Award 2025' by the editorial board of Thieme Chemistry Journals.
- Dr. Tharamani C.N. received the Faculty Research and Innovation Award from the Indian Institute of Technology Ropar on Foundation Day, February 24, 2025.

STUDENTS:

- Varun Kumar, Saiful Wali Khan, and Harpreet Singh presented "Thermal Spray Coatings for Biomedical Applications: A Review" at the 2nd Thermal Spray Conference & Expo (NTSC2025) held at IIMT Bhubaneswar from February 21-23, 2025.
- Saiful Wali Khan, Ameey Anupam, Ekta Singla, and Harpreet Singh presented "Highly Reflective ZrC-Cu-Based Metal Matrix Composite Coatings Deposited via Cold-Spray for Laser Protection Applications" at the Ed-Vantage Career Workshop 2025, IIT Ropar, held on January 24-25, 2025.
- Ms. Shivangi Mehta, a PhD scholar, received the Best Oral Presentation award at the International Symposium on Advances in Electrochemical Science and Technology (iSAEST-13) held in Thiruvananthapuram, Kerala, on January 10, 2025.
- Ms. Sangeetha, a PhD scholar, received the Best Poster Presentation award at the International Conference on Energy Conversion and Storage (IECS 2025) held at IIT Madras from January 27 to 29, 2025.
- Arzoo Chauhan, a PhD scholar, was honored with the Best Oral and Best Poster Awards at the Catalysis and Sustainable Chemicals and Energy (CSCME-2025) conference held at Thapar Institute from February 24 to 26,

2025.

- Mr. Man Singh, a PhD scholar, was shortlisted for product demonstration at the All India R&D Fair for Innovations and Startups, "Inventiv 2025," held at IIT Madras from February 28 to March 1, 2025.
- Pooja Chahal, a PhD scholar, received the Best Poster Award at the Prof. Ram Chand Paul National Symposium (RCPNS-2025) held at Panjab University, Chandigarh, on February 21-22, 2025.
- Ms. Neelam Verma, a PhD scholar, received the Best Poster Award at the Indian Peptide Symposium held from February 26 to 28, 2025.
- Mr. Soumit Dutta, a PhD scholar, received the Best Poster Award at the Indian Peptide Symposium held from February 26 to 28, 2025.
- Ms. Pragya Singh, a Research Scholar in Chemical Engineering, received the Digital GreenTalents Award 2024. She will be hosted at TU Dresden by Prof. Schubert and Dr. Marchini from April to July 2025.
- Tanvir Kaur received the Best Paper Award for her collaborative research with Dr. Kaushik Mondal and Mr. Kaustav Paul at the International Conference on Distributed Computing and Internet Technology (ICDCIT 2025), held in Bhubaneswar, Odisha from January 8-11, 2025.

MoU SIGNING

IIT Ropar Signs MoU with Wheels Global Foundation, USA to Drive Rural Transformation

On January 23, 2025, IIT Ropar signed a unique MoU with the Wheels Global Foundation, USA, to foster efficient bi-directional information exchange between development and deployment teams. The collaboration aims to raise awareness of rural challenges and innovative solutions, engage and inspire the Pan-IIT alumni network along with other stakeholders, and leverage joint resources to mobilize diverse communities. The partnership is geared toward implementing impactful programs that contribute to the shared vision of transforming rural India, aligned with the national goal of becoming a developed economy by 2047.



IIT Ropar Signs Strategic MoU with Fraunhofer Institute to Advance Sustainability and Circular Economy Research

The Indian Institute of Technology Ropar has entered into a strategic Memorandum of Understanding (MoU) with the Fraunhofer Institute for Interfacial Engineering and Biotechnology, focusing on sustainability and the circular economy. Fraunhofer, Germany's premier applied research organization, leads innovation by developing future technologies and transforming research into practical solutions. This partnership will foster pioneering research in sustainability, waste management, and eco-friendly innovations, reinforcing IIT Ropar's dedication to advancing global sustainability objectives.



IIT Ropar Signs MoU with Himachal Pradesh Government for Swachh Shahar - Samridh Shahar 2025 Initiative

IIT Ropar has entered into a Memorandum of Understanding (MoU) with the Government of Himachal Pradesh and the Urban Development Department as part of the Swachh Shahar - Samridh Shahar 2025 program. The signing event featured important addresses by Hon'ble Chief Minister Shri Sukhvinder Singh Sukhu, alongside key officials including Shri Devesh Kumar, IAS, Principal Secretary of Urban Development, and Ms. Roopa Mishra, IAS, Joint Secretary, SBM-Urban. Discussions by Shri Prabodh Saxena, IAS, Chief Secretary, and Shri Vikramaditya Singh, Urban Development Minister, highlighted strategic initiatives aimed at building smart cities and promoting innovation. This partnership marks a significant step towards empowering startups and advancing skill development across the state.



IIT Ropar Collaborates with New Age Education Foundation to Strengthen Industry-Academia Linkages

IIT Ropar has formalized a partnership with the New Age Education Foundation through a Memorandum of Understanding (MoU) aimed at fostering innovation, knowledge sharing, and mutual growth. This collaboration will create avenues for internships, research projects, faculty development programs, consultancy services, guest lectures, and conferences. The joint efforts are designed to bridge the gap between academic learning and industry requirements, empowering the next generation of innovators within India's technical education landscape. The New Age Education and Skills Foundation, a not-for-profit initiative established by ArcelorMittal Nippon Steel India, operates NAMTECH—an institute dedicated to advanced manufacturing and sustainability education in India.



Landmark Partnership Announced on IIT Ropar's 16th Foundation Day

On the occasion of IIT Ropar's 16th Foundation Day, we are proud to announce a strategic partnership with Greenfinch Real Estate Engineers & Consultants. This collaboration aims to propel research and innovation in decarbonization, energy efficiency, and sustainable building technologies. Together, this alliance paves the way for pioneering advancements in sustainable energy and climate action.



IIT Ropar and HRIT University Forge Strategic Partnership to Advance Technical Education

of Understanding (MoU) with HRIT University, establishing a transformative collaboration aimed at enhancing technical education in India. This partnership will foster cutting-edge research, industry-aligned skill development, and innovative learning opportunities, equipping students with the knowledge and expertise needed to become future-ready technocrats



IIT Ropar Signs MoU with Shivalik College of Engineering to Boost Research in AI and Emerging Technologies

The Indian Institute of Technology Ropar has entered into a Memorandum of Understanding (MoU) with Shivalik College of Engineering, Dehradun, to promote academic collaboration and joint research in Artificial Intelligence, Data Science, and other emerging technology fields. As part of this partnership, the iHub - AWaDH will be established at IIT Ropar's Cyber Physical System Lab, creating expanded opportunities for cutting-edge research and innovation.

भारतीय प्रौद्योगिकी संस्थान रोपड़ Indian Institute of Technology Ropar



IIT Ropar Signs Landmark Consultancy Agreement with NTF (India) Pvt. Ltd. to Advance Clean Energy and Hydrogen Mobility

The Indian Institute of Technology Ropar has entered into a pioneering consultancy agreement with NTF (India) Pvt. Ltd., marking a first-of-its-kind collaboration. Formalized on March 24, 2025, at IIT Ropar, this partnership strengthens joint initiatives in clean energy, sustainability, and hydrogen-based mobility. The agreement was signed by Shri Rajat Jain, Executive Director of NTF (India) Pvt. Ltd., and Dr. Pushpendra P. Singh, Dean (R&D) at IIT Ropar. Present at the signing were Dr. Dhiraj Kumar Mahajan, project consultant and Associate Professor in the Department of Mechanical Engineering, and Shri Surendra Singh Gaur, Manager (R&D) of NTF, along with their respective teams. This strategic alliance underscores IIT Ropar's dedication to cutting-edge research and sustainable innovation, while highlighting NTF (India) Pvt. Ltd.'s growing commitment to research and development.



Indian Institute of Technology Ropar

IIT Ropar Signs Landmark MoU with NTF (India) Private Limited to Advance Technology in Clean Energy and Sustainability



IIT Ropar and CPRI Bangalore Sign Landmark MoU to Boost Collaborative Research and Academic Excellence in Power Systems

On April 30, 2025—Akshaya Thrithiya—CPRI Bangalore and IIT Ropar signed a five-year MoU to strengthen collaboration in power systems and electrical engineering. This partnership designates CPRI as an accredited research center for IIT Ropar, enabling its scientists to co-supervise M.Tech, Ph.D., and dual-degree students with relaxed admission norms and off-campus study options. The MoU promotes joint research, faculty exchange, and student projects, especially under Ministry of Power schemes, with shared intellectual property rights and benefits. Spearheaded by Prof. C.C. Reddy and Dr. Bhavani Shankar, the agreement lays a strong foundation for sustained academic and research cooperation between the two institutions.



IIT Ropar Explores Academic Collaboration with Taiwan

On March 27, 2025, Dr. Neha Sardana, Dean of International Relations and Alumni Affairs at IIT Ropar, visited the Taipei Economic and Cultural Center in New Delhi to discuss avenues for enhanced academic cooperation between IIT Ropar and leading universities in Taiwan. The meeting aimed to strengthen bilateral partnerships in research, student exchange, and collaborative programs, reinforcing IIT Ropar's commitment to global engagement.



DELEGATION VISIT

IIT Ropar Hosts University of Saskatchewan Delegation to Strengthen Research Collaboration

IIT Ropar warmly welcomed a delegation from the University of Saskatchewan, Canada, for productive discussions focused on materials science, chemical engineering, and physics. This visit marks a significant milestone in deepening the partnership between the two institutions. Both IIT Ropar and the University of Saskatchewan reaffirmed their commitment to advancing collaborative research under their existing MoU, paving the way for the launch of a Dual PhD program that will benefit students and faculty from both universities.



IIT Ropar Hosts Delegation from National Chung Hsing University to Explore Collaborative Opportunities

On April 1, 2025, a delegation from National Chung Hsing University (NCHU), Taiwan, visited IIT Ropar to discuss potential collaborations in Semiconductors, Quantum Technologies, and Mechanical Engineering. The visiting team, including Dr. Kai-Jung Chi (Associate VP for International Affairs), Dr. Reiyu Chein (Lifetime Distinguished Professor & Head of Mechanical Engineering), Dr. Yen-Wei Chu (Director of Graduate Institute of Genomics and Bioinformatics), Dr. Chandrasekar Sivakumar (Postdoctoral Researcher, Physics), and Ms. Inger Tsai (Coordinator, New Southbound Project), engaged with IIT Ropar's leadership and faculty to explore academic and research synergies for future partnership.



ALUMNI AFFAIRS

PIWOT Satellite Conference 2025: Fostering Innovation and Collaboration at IIT Ropar

On January 23, 2025, the Office of International Relations and Alumni Affairs at IIT Ropar hosted the PanIIT World of Technology (PIWOT) Satellite Conference, convening renowned experts from academia, industry, and the defense sector. The conference focused on key areas such as Artificial Intelligence, skilling for Industry 5.0, and advancements in defense technology. Highlights of the event included insightful panel discussions, the signing of a Memorandum of Understanding (MoU) with WHEELS Global Foundation, and visits to the IIT Ropar Technology Business Incubator Foundation (TBIF), Central Research Facilities, and the Dr. Ranbir Singh Tinkerers' Laboratory—underscoring the institute's commitment to innovation and interdisciplinary collaboration.



Celebrating the Emerging Young Alumni Awards 2025 Winners

We are proud to celebrate the winners of the Emerging Young Alumni Awards 2025, who have made remarkable contributions across diverse fields. This year's honorees include Mr. Amandeep Kamboj (CSE, 2012), Co-founder & CTO of JustBaat.AI, and Dr. Muddasani Satyanarayana (EE, 2024), Co-founder & CTO of Vanix Technologies in the Entrepreneurship/Startup category; Mr. Parminder Bhatia (CSE, 2012), Chief AI Officer at GE HealthCare in Industry/MNC; and Dr. Divya Mahajan (EE, 2012), Assistant Professor at Georgia Institute of Technology in Public Services/Academia. Their dedication, innovation, and passion continue to inspire and elevate their fields, and we warmly congratulate them on their outstanding achievements.



TECHNOLOGY BUSINESS INCUBATOR FOUNDATION

IIT Ropar's TBIF Showcases Innovation at PIWOT TechExpo 2025, Mumbai

The IIT Ropar Technology Business Incubator Foundation (TBIF) proudly participated in the PIWOT TechExpo 2025 held in Mumbai from January 17-19, organized by PanIIT Alumni India. The event brought together IITs from across the country, providing a vibrant platform to showcase cutting-edge products, services, and startup incubators aimed at fostering collaboration and driving technological progress. The expo was honored by the presence of distinguished dignitaries, including Maharashtra Chief Minister Devendra

Fadnavis, Abhay Karandikar, and several ministers, alongside industry leaders from various sectors. Their participation fueled insightful discussions on the transformative power of innovation for the future. At the event, TBIF presented a diverse portfolio of startups, covering areas from defense to advanced AI technologies, while also leveraging invaluable opportunities to network with IIT alumni, industry experts, investors, and budding entrepreneurs.



IIT Ropar's TBIF Hosts Inaugural E-Summit to Empower Entrepreneurs

The Technology Business Incubator Foundation (TBIF) at IIT Ropar successfully hosted the institute's first-ever E-Summit, organized by E-CELL IIT Ropar and Advitiya, with sponsorship from TBIF. The event was inaugurated by Dr. Atharva Poundarik, Faculty In-Charge and Director of TBIF, alongside special guests Ashneer Grover and Madhuri Jain Grover. The summit featured a captivating Star Talk moderated by Deepanshu Sharma and Kartik Yadav, co-founders of Easecruit Pvt. Ltd. Ashneer Grover engaged the audience with candid discussions on the entrepreneurial mindset, ethical challenges in scaling businesses, venture capital hesitancy, and valuation strategies, followed by a thought-provoking Q&A session. Through initiatives like this, TBIF continues to nurture a vibrant entrepreneurial ecosystem, providing startups with valuable resources and a dynamic platform for growth and learning.



IIT Ropar TBIF Showcases Deep-Tech Innovations at Startup Mahakumbh 2025

IIT Ropar's Technology Business Incubator Foundation (TBIF) participated in Startup Mahakumbh 2025, India's largest startup conclave held from April 3–5 at Bharat Mandapam, New Delhi. The mega event witnessed over 50,000 visitors, 3,000+ startups, and 1,000+ global investors. Hon'ble Minister of Commerce & Industry, Shri Piyush Goyal, emphasized the need for Indian startups to focus on deep-tech domains like AI and semiconductors, encouraging indigenous innovation. Aligned with this vision, TBIF's incubated startups—Texoedge Innovation Pvt. Ltd., Cit-Peels Naturals Pvt. Ltd., and Drones Tech Lab—exhibited groundbreaking technologies and engaged directly with Shri Piyush Goyal. Their participation underscored TBIF's commitment to nurturing innovation-driven enterprises and contributing to India's deep-tech and self-reliant startup ecosystem.



Lt Gen Devendra Sharma Visits IIT Ropar TBIF; MoU Signed to Boost Drone Technology Training for Indian Army

On 28th February 2025, IIT Ropar's Technology Business Incubator Foundation (TBIF) hosted Lt Gen Devendra Sharma, PVSM, AVSM, SM, GOC-in-C, ARTRAC, focusing on the institute's role in advancing drone technology for the armed forces. During the visit, startups specializing in drone innovations showcased their cutting-edge solutions, gaining valuable feedback to enhance their defense applications. A significant highlight was the signing of a Memorandum of Understanding (MoU) between ARTRAC and IIT Ropar, witnessed by Lt Gen Sharma and Prof. Rajeev Ahuja, Director IIT Ropar. This partnership will enable Management Development Programs (MDP), including DGCA-certified drone technology and flight training for Indian Army officers and Junior Combat Leaders. The collaboration aims to strengthen ties between academia, startups, and defense, opening new avenues for incubated startups to contribute directly to national security and military modernization in the drone sector.



IIT Ropar TBIF Showcases Innovations at BioAsia 2025, Hyderabad

IIT Ropar's Technology Business Incubator Foundation (TBIF) proudly participated in BioAsia 2025, held from February 26–28, 2025, in Hyderabad. Under the theme "Data and AI: Redefining Possibilities," TBIF showcased its innovative startups and cutting-edge work, emphasizing the transformative impact of AI-driven technologies in healthcare and life sciences. This platform provided valuable exposure and networking opportunities to further advance TBIF's mission in the bio and health-tech sectors.



IIT Ropar TBIF Hosts Event Featuring Active Student Engagement and Defense Technology Insights

IIT Ropar's Technology Business Incubator Foundation (TBIF) hosted a dynamic event where students from D.A.V College Amritsar actively participated, contributing thoughtful questions that enriched the learning experience. Their enthusiasm for exploring real-world entrepreneurship was evident as they engaged directly with founders of incubated startups, gaining valuable insights from their journeys. The event also featured expert talks by Rear Admiral Brijesh Vashishta (Retd), Professor of Practice at CoE-SARDS, and Col Prabir Sengupta, VSM, Adjunct Faculty at CoE-SARDS, who shared their knowledge on armament technologies and emphasized the crucial role of startups in advancing indigenous defense technologies.



NIT Sikkim Students Engage in 5-Day Entrepreneurship Program at IIT Ropar TBIF

The IIT Ropar Technology Business Incubator Foundation (TBIF) proudly hosted a vibrant 5-day program for students from the National Institute of Technology Sikkim. Throughout the visit, the students delved into the world of entrepreneurship, covering everything from foundational principles to advanced business strategies. The program featured interactive workshops, hands-on sessions, and inspiring talks by successful startup founders, providing participants with valuable insights and practical knowledge. The experience was marked by great enthusiasm, curiosity, and a collective passion for innovation.



CONFERENCES & WORKSHOPS

Two-Day Workshop on Professional and Business Etiquette Empowers

Indian Institute of Technology Ropar successfully hosted a two-day workshop focused on Professional and Business Etiquette, designed to equip students with the confidence and skills needed for the professional world. The sessions were conducted by Maj General Prabdeep Singh Behl (Retd.), an experienced corporate and leadership trainer, alongside Mrs. Sunaina Singh, former Air India hostess and etiquette coach. The workshop comprehensively addressed essential topics such as effective communication, workplace manners, appropriate grooming and dress codes, networking techniques, and included hands-on training with a live

demonstration of dining etiquette. IIT Ropar continues its commitment to preparing students for successful placements and sustained professional development.



IIT Ropar Hosts International Conference on Statistical Learning (ICSL 2025)

The Department of Mathematics, in collaboration with the Centre for Applied Research in Data Science (CARDS), organized the International Conference on Statistical Learning (ICSL) from March 6–8, 2025, at IIT Ropar. Attracting around 100 participants, the three-day event brought together experts and researchers to explore the convergence of statistical theory and machine learning. Key topics included supervised and unsupervised learning, deep learning, reinforcement learning, Bayesian methods, high-dimensional data analysis, and regularization. The conference also highlighted real-world applications in healthcare, finance, marketing, and natural language processing, while addressing computational challenges in big data through scalable algorithms and advanced learning frameworks.



IIT ROPAR IN NEWS

IIT Ropar AWaDH Launches NanoAqua Nanobubble Generator — India's First Affordable & Sustainable Water Treatment Innovation

iHub-AWaDH at IIT Ropar has unveiled the NanoAqua Nanobubble Generator, India's first patented, chemical-free nanobubble technology for sustainable water management. Developed by Dr. Neelkanth Nirmalkar, this innovative system enhances water quality across agriculture, aquaculture, and pond restoration by providing superior oxygenation with high energy efficiency — and is proudly 100% Made in India. Having treated over one million cubic meters of water across several states, NanoAqua has demonstrated its effectiveness in community projects such as Phool Kalan Pond in Ropar and Rang Sagar Lake in Udaipur. This scalable, low-cost technology is revolutionizing eco-friendly water treatment, reflecting AWaDH's commitment to sustainable innovation with significant environmental, economic, and social benefits.

NEWS | IIT ROPAR | COMMUNITY NEWS | IIT ROPAR'S NANOBUBBLE METHOD TO CLEAN VILLAGE PONDS

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IIT Ropar's nanobubble method to clean village ponds

Editorial Team / 28th Jan 22, 2025, 21:09 IST

NEWS | IIT ROPAR | COMMUNITY NEWS | IIT ROPAR'S NANOBUBBLE METHOD TO CLEAN VILLAGE PONDS

A pilot initiative to clean village ponds using a nano-bubble generator, developed by IIT Ropar, was launched in Janta Panchayat in collaboration with the water supply department. The technique increases oxygen levels in the water, improving quality without chemicals. If successful, the project will be expanded to other villages. [Read More](#)



Nano-bubble generator installed in Janta Panchayat in collaboration with the water supply department

CHANDIGARH: A pilot initiative aimed at cleaning village ponds through the use of a nano-bubble generator, developed by the Indian Institute of Technology (IIT) Ropar, was launched on Wednesday in village Janta Panchayat, in collaboration with the department of water supply and sanitation.

Ropar HIA Girish Chandra said that water sample will be taken before and after the process to check the effectiveness of the nanobubble technique. "If the project is successful, it would be

replicated in other village ponds in the constituency with the help of the gram panchayats. The process will help in getting rid of bad odour and clean water of major importance," he said.

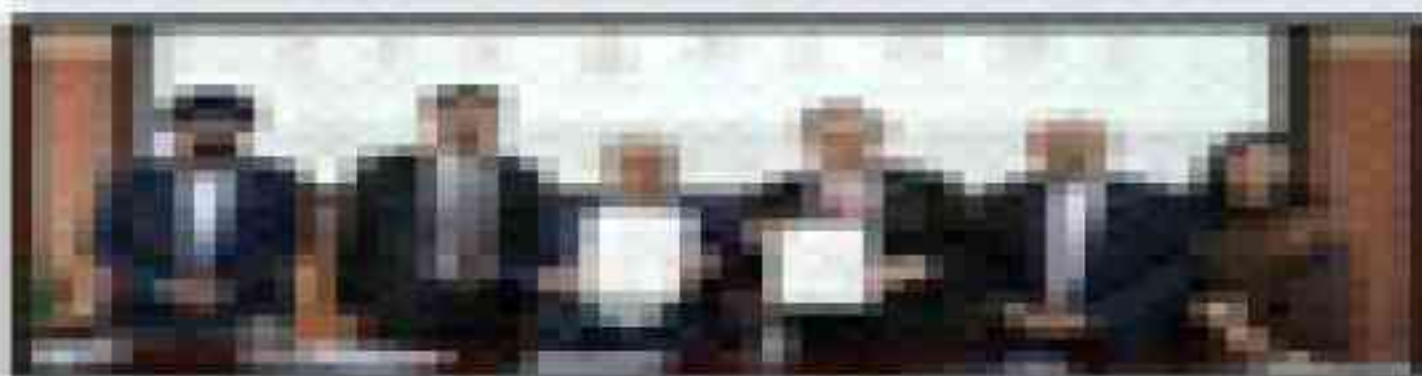
An official of the water supply department said some villages in the area had more than one 'shajada' or ponds and their difficult topography becomes a hurdle to cleaning them using the Thayer or Sankhwal model. "Filter screens have already been put up at the edges of the ponds to keep unwanted materials at bay. The IIT Ropar's machine would complete its process in a period of one month," he said.

The technique has been developed by IIT Ropar Technology and Innovation Foundation (iHub - AWaDH) for agriculture and water technology development hub. The project was launched by village elder [Pran Singh](#).

IIT Ropar Hosts PIWOT Satellite Conference to Drive AI, Industry 5.0 Skills, and Defense Innovation

On January 25, 2025, IIT Ropar successfully hosted the PIWOT Satellite Conference, organized by the Office of International Relations and Alumni Affairs. The event convened experts from academia, industry, and defense sectors to engage in insightful discussions on Artificial Intelligence, Industry 5.0 skill development, and defense technologies. Highlights included panel discussions, a startup competition, and the signing of an MoU with Wheels Global Foundation. Attendees also toured IIT Ropar's cutting-edge research and incubation facilities. With enthusiastic participation from students, alumni, and professionals, the conference reinforced IIT Ropar's dedication to fostering innovation, strengthening industry-academia partnerships, and advancing technological self-reliance.

IIT Ropar hosts PIWOT satellite conference



CHANDIGARH: The office of International Relations and Alumni Affairs at Indian Institute of Technology (IIT) Ropar hosted the PIWOT (Pillar of Innovation, Technology, and Skills) Satellite Conference, bringing together distinguished experts from academia, industry, and defense. The conference centered on pivotal themes such as Artificial Intelligence, Industry 5.0, and Defense Technology. The day highlights of the event were the panel discussions with experts, signing of a Memorandum of Understanding (MoU) with Wheels Global Foundation and visits to IIT's Technology Business Incubator (TBI), Central research facilities and Dr. Ramesh Singh 'Endowment' Lab. The event began with a traditional Lamp Lighting Ceremony, followed by a welcome address from Prof. Rajendra Kumar, Director of IIT Ropar. Guest speakers, including Mr. Manoj Kumar Singh, Head of the Corporation of Indian Industry (CII), and Dr. Rajendra K. Singh, Chairman of the Health Council, delivered impactful speeches, highlighting the importance of Engineering and Science to power together with industry for sustainable and market-based in rural areas. The event concluded with a traditional Lamp Lighting Ceremony.

IIT Ropar Hosts IASCSI 2025: A Global Forum on Sustainable Crop Science Innovation

On January 31, 2025, IIT Ropar's TIF-AWaDH, in partnership with the Shastri Indo-Canadian Institute and Dalhousie University, organized the International Conference on Integrated Approaches for Sustainable Crop Science Innovation (IASCSI 2025). Supported by the Shastri Conference Grant, the event convened global experts, policymakers, and industry leaders to discuss advanced solutions for sustainable agriculture. The conference featured engaging panel discussions on technological progress and policy integration in crop science, with contributions from premier institutions such as ICAR, TNAU, and Dalhousie University. It also showcased poster and oral presentations by emerging researchers, encouraging fresh perspectives and innovation. IASCSI 2025 highlighted IIT Ropar's role as a leader in fostering international partnerships and driving technological advancements for sustainable farming practices.

IIT Ropar organises International Conference IASCSI 2025



BAHADURJEET SINGH
RUPNAGAR, JAN 31

IIT Ropar Technology and Innovation Foundation (TIF), Agriculture and Water Technology Development Hub (AWaDH) successfully hosted the Integrated Approaches for Sustainable Crop Science Innovation (IASCSI) International conference in collaboration with the Shastri Indo-Canadian Institute and was supported through the Shastri Conference Grant.

The event also involved academic partners such as Dalhousie University, Canada, Indian Council of Agricultural Research ICAR, New Delhi and other leading institutions dedicated to advancing agricultural prac-

tices. This landmark event brought together global experts, researchers, policymakers, and industry leaders to discuss and promote innovative strategies aimed at revolutionizing crop science. The conference began with a Welcome Address delivered by Dr. Radhika Tripathi, CEO AWaDH along with Dr. Shreya Sharma, R&D and Corporate Manager AWaDH who welcomed the dignitaries and participants. The event was graced by Chief Guest Dr. Anil Agrawal, Chancellor of HRIIT University, who emphasized the importance of grassroots engagement to ensure that innovations and policies directly benefit farmers.

IIT Ropar's iHub-AWaDH Launches First Industry-Integrated CPS Lab at CICU Ludhiana

iHub-AWaDH at IIT Ropar marked a major milestone with the inauguration of its 11th Cyber-Physical Systems (CPS) Lab—its first ever established within an industrial environment—at the Chamber of Industrial & Commercial Undertakings (CICU INDIA), Ludhiana. The launch event celebrated the strengthening of industry-academia collaboration, featuring insights from leaders at Panasonic, CII, Innovation Mission Punjab, and other key organizations. This pioneering lab is designed to upskill students, researchers, and professionals in cutting-edge CPS technologies, reinforcing IIT Ropar's dedication to driving innovation and nurturing a future-ready workforce for Industry 4.0.



SWACH Accelerator Demo Day Showcases Transformative Startups in WASH Sector

The SWACH Accelerator Demo Day served as a dynamic platform uniting innovators, investors, and government officials to highlight cutting-edge, tech-enabled solutions in the Water, Sanitation, and Hygiene (WASH) sector. The event commenced with inspiring messages from Prof. Ajay Kumar Sood, Principal Scientific Adviser to the Government of India, and Ms. Ekta Kapoor, Mission Director, NM-ICPS. Ten promising startups presented their innovations, followed by exhibitions and vibrant networking sessions. Organized with the support of iHub-AWaDH, the event reinforced a shared vision for scalable and sustainable solutions to address India's most pressing WASH challenges.



IIT Ropar Signs MoU with iDG10 Solutions to Pioneer Sustainable Energy Innovations

The Indian Institute of Technology Ropar has entered into a strategic partnership with iDG10 Solutions Pvt. Ltd. to advance two innovative projects focused on meeting India's growing energy needs through sustainable solutions. The MoU was formally signed by Dr. Pushpendra Singh, Dean (R&D), IIT Ropar, and Ms. Pallavi Tyagi, Head of Marketing & Business Development, iDG10 Solutions. The signing ceremony was also attended by Dr. Dhiraj Kumar Mahajan, Associate Professor, Department of Mechanical Engineering, IIT Ropar, and Mr. Dhruvil Shah, Head of Accounts & Finance, iDG10 Solutions. This collaboration marks a significant step toward fostering research and development in clean energy technologies.

IIT Ropar Partners with iDG10 Solutions to Drive Sustainable Energy Solutions



Ropar, 13 February, 2025: iDG10 Solutions Pvt. Ltd., a leading provider of sustainable energy solutions, has entered into a strategic partnership with the Indian Institute of Technology (IIT) Ropar to collaborate on two groundbreaking projects aimed at addressing India's growing energy demands. The MoU was signed by Dr. Pushpendra Singh, Dean R&D, IIT Ropar, and Pallavi Tyagi, Head of Marketing & Business Development, iDG10 Solutions Pvt. Ltd. The signing ceremony was also attended by Dr. Dhiraj Mahajan, Associate Professor, Department of Mechanical Engineering, IIT Ropar, and Dhruvil Shah, Head of Accounts & Finance, iDG10 Solutions Pvt. Ltd. The collaboration involves the joint development of Polymer Lined Pipeline Technology (PLPT) for hydrogen transportation. This innovative solution will play a crucial role in establishing a robust hydrogen infrastructure, a clean and sustainable alternative to fossil fuels. In addition, iDG10 Solutions and IIT Ropar will collaborate on developing a technological solution for Carbon Capture, Storage, Transportation, and Utilization (CCSTU). This initiative aims to reduce carbon emissions and contribute to a

IIT Ropar's AWaDH Launches 12th Cyber-Physical Systems Lab at IILM University to Boost Innovation and Skilling

On March 7, 2025, IIT Ropar's iHub-AWaDH initiative inaugurated its 12th Cyber-Physical Systems (CPS) Lab at IILM University, Greater Noida, marking a major milestone in fostering academia-industry collaboration. The newly launched lab is equipped with state-of-the-art IoT kits, AI/ML workstations, and prototyping tools, providing a robust platform for experiential learning and innovation in CPS technologies. It will serve as a hub for collaborative research, joint training programs, and curriculum development, enabling students, faculty, and startups to engage in real-world problem solving. This initiative underscores IIT Ropar's commitment to nurturing future-ready talent and driving technological excellence across India.



IIT Ropar AWaDH Collaborates with IILM University to Launch its 12th Cyber-Physical System CPS Lab



IIT Ropar AWaDH Collaborates with IILM University to Launch its 12th Cyber-Physical System CPS Lab

Subodhraj Singh/Ropar Media, March 7, 2025

The Indian Institute of Technology (IIT) Ropar's Agriculture and Water Development Hub (AWaDH) initiative has proudly inaugurated its 12th Cyber-Physical System (CPS) Lab at IILM University, Knowledge Park, Greater Noida. This event marks a significant milestone in the collaborative effort to advance cutting-edge research and innovation in the field of computer science and engineering.

The event began with a traditional lamp-lighting ceremony, symbolizing the initiation of a journey towards innovation and excellence. The inauguration ceremony began with a warm welcome address by Prof. (Dr.) Tarun Saxena, Vice-Chancellor of IILM University, followed by introductory remarks from Prof. (Dr.) Ropar Thakur, Dean of the School of Computer Science and Engineering at IIT Ropar.

A major highlight of the event was a detailed presentation by Dr. Anshul Mishra, CEO of IIT Ropar iHub AWaDH, who provided a glimpse of the pioneering iHub CPS Lab initiative. The ceremony concluded with a collaborative ceremony to formally inaugurate the new CPS Lab, underscoring the commitment to the success of this collaboration.

IIT Ropar's iHub-AWaDH Marks National Science Day with Tribal Innovation Drive in Odisha

On the occasion of National Science Day, IIT Ropar's iHub-AWaDH, in partnership with Puri Oil Mills Ltd. (under its CSR initiative), hosted the PRAGATI Outreach program at ACIC GIET University, Odisha. The event engaged over 200 tribal innovators and students under the theme "Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat." The initiative included startup mentorship sessions, funding opportunities through the PRAGATI Micro-Accelerator, and the signing of a strategic MoU to strengthen agricultural research. ACIC GIET was also selected for the SAMRIDHI 4.0 Cyber-Physical Systems (CPS) training program and awarded a ₹1 lakh grant. This outreach highlights iHub-AWaDH's dedication to inclusive and grassroots innovation, having already supported over 114 startups and 80 deep-tech and agri-tech technologies across the country.

Ministry of Education

IIT Ropar's AWaDH and Puri Oil Mills host PRAGATI Outreach Event to Empower Tribal Innovations

IIT Ropar and ACIC GIET University Foundation, Odisha sign MoU to strengthen collaboration in agricultural research and innovation

Pragati On 01 March 2025 at IITR by Puri Oil Mills

In a move towards fostering agri-innovation and sustainability, IIT Ropar's iHub-AWaDH, hosted the PRAGATI Outreach event, a collaborative initiative by IIT Ropar Technology Innovation Foundation (NTF) and Puri Oil Mills Limited (CSR Initiative) at ACIC GIET University Foundation, Cuttack, Odisha (supported by Aard Innovation Mission, NITI Aayog).

Organized on the occasion of National Science Day under the theme Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat, the two-day event sought to empower over 200 tribal innovators and students by providing insights into startup creation, funding opportunities, and advanced agricultural solutions. More than 20 startups and student-led innovations were also showcased, reflecting the theme of the National Science Day.

IIT Ropar Celebrates International Women's Day with Empowering Events

The Women Forum at IIT Ropar observed International Women's Day with a week-long celebration focused on empowerment and well-being. Highlights included an engaging session of the program by mental health expert Riri G Trivedi on stress management and work-life balance,

featuring practical techniques like EFTs and breathing exercises. The celebrations concluded with a powerful Kalaripayattu performance, symbolizing resilience and the spirit of women's empowerment.

IIT Ropar Celebrates International Women's Day with an Engaging Sessions

By Rishi Singh / Ropar News March 8, 2025

The Women Forum at IIT Ropar celebrated International Women's Day with a series of empowering sessions. The event featured practical techniques like EFTs and breathing exercises, followed by a powerful Kalaripayattu performance. The celebrations concluded with a powerful Kalaripayattu performance, symbolizing resilience and the spirit of women's empowerment.

IIT Ropar and NTF (India) Pvt. Ltd. Join Forces for Clean Energy and Hydrogen Mobility Innovation

On March 24, 2025, IIT Ropar signed a strategic MoU with NTF (India) Pvt. Ltd. to drive innovation in clean energy, sustainability, and hydrogen-based mobility. The agreement was formalized by Shri Rajat Jain, Executive Director of NTF (India), and Dr. Pushpendra P. Singh, Dean (R&D), IIT Ropar, in the presence of Dr. Dhiraj K. Mahajan and Shri Surendra Singh Gaur. This collaboration will focus on developing eco-friendly hydrogen fuel cell technologies, promoting sustainable practices, and bridging the gap between research and commercialization. It also aims to support PhD researchers in converting academic research into practical, market-ready solutions. This partnership reflects IIT Ropar's commitment to cutting-edge sustainability research and NTF's vision of leading the charge in clean mobility and environmental stewardship.

संधारणीयता में प्रौद्योगिकी को आगे बढ़ाने के लिए एनटीएफ के साथ ऐतिहासिक समझौता ज्ञापन पर किए हस्ताक्षर

एनटीएफ (NTF) और IIT रोपर के बीच सहयोग पर हस्ताक्षर

एनटीएफ (NTF) और IIT रोपर के बीच सहयोग पर हस्ताक्षर। इस समझौते के तहत, दोनों संगठनों ने सांख्यिकीय, प्रौद्योगिकी और पर्यावरण के क्षेत्र में अनुसंधान और विकास के लिए एक समझौता ज्ञापन (MoU) पर हस्ताक्षर किए हैं।

एनटीएफ (NTF) और IIT रोपर के बीच सहयोग पर हस्ताक्षर। इस समझौते के तहत, दोनों संगठनों ने सांख्यिकीय, प्रौद्योगिकी और पर्यावरण के क्षेत्र में अनुसंधान और विकास के लिए एक समझौता ज्ञापन (MoU) पर हस्ताक्षर किए हैं।

IIT Ropar Partners with AVPL International to Develop India's First Fully Indigenous Drone

IIT Ropar has joined forces with AVPL International to develop India's first completely indigenous drones, integrating hardware, software, AI-driven guidance systems, and secure encrypted communication protocols. This partnership is aimed at reducing reliance on foreign technology and strengthening national security, supporting the Government of India's 'Aatmanirbhar Bharat' mission. The research and development efforts will be carried out at IIT Ropar's Centre of Excellence for Studies and Applied Research in Defence and Security (CoE SARDS). The initiative focuses on building self-reliant drone technology with a strong emphasis on Indian intelligence and security needs.

IIT Ropar partners with firm to make indigenous drones



PUNJAB EXPRESS BUREAU
Ropar, April 25

India's drone technology and related industry are estimated to grow from the current Rs 80 crore to Rs 15,000 crore by next year. The Centre is also pushing for developing indigenous drone technology. In line with the projections, IIT Ropar and AVPL International, an agri-tech company focused on drone technology, have announced collaboration to make India's first fully indigenous drone.

An MoU signed between IIT Ropar and AVPL, a Gurugram-based company, aims to end foreign dependency and securing India's drone future. The duo aims to create fully indigenous drones — not just in hardware, but also in software, programming and intelligence. This includes creating flight algorithms, AI-based guidance systems and encrypted communication protocols that will not depend on foreign technology or infrastructure. Research and development for the project will be conducted through IIT Ropar's Centre of Excellence for Studies and Applied Research in Defence and Security

(CoE SARDS). Scientists, professors and researchers will work on cutting-edge, patented technologies that will ensure that India's drones are both safe and self-reliant. This is in line with the Government of India's vision of Aatmanirbhar Bharat, wherein Indian data will be protected within Indian borders. "India must take control of its technological destiny. This partnership will help us build drones and systems that are completely made in India, with Indian intelligence and security at the forefront. We are not just talking about aerospace innovation. We are building national defence capabilities," said Prof. Rajiv Ahuja, Director, IIT Ropar.

The partnership, he added, comes at a crucial time when India is poised to become one of the largest drone markets in the world. The government initiatives such as 'Drone Shakti' and 'Nano Drone Didi' are targeted towards empowerment — especially of women in the agriculture sector — with drone technology. But, as these programmes progress, it is important that India does not remain a consumer of foreign drone solutions.

Two-Day Workshop on Advanced Manufacturing Techniques for Startups under IIT Ropar's SAMRIDHI Initiative

IIT Ropar's Technology and Innovation Foundation (TIF), as part of the iHub-AWaDH initiative, hosted a two-day workshop focused on advanced manufacturing techniques and startup development under the SAMRIDHI program. The workshop aimed to equip participants with skills in state-of-the-art manufacturing processes, promoting innovation and entrepreneurship. This effort aligns with SAMRIDHI's mission to nurture deep-tech startups in the fields of agriculture, water, and sustainability.

Two-Day workshop on advanced manufacturing technique, startup under SAMRIDHI initiative of IIT Ropar



IIT ROPAR RELEASED: PALL JAIN, IIT Ropar Technology and Innovation Foundation, under the SAMRIDHI initiative of the Department of Science and Technology, Government of India, in collaboration with Central Board of Secondary Education (CBSE), Punjab, organised a two-day workshop on "Advanced Manufacturing Techniques and Startup Opportunities for Startups" under IIT Ropar's SAMRIDHI Initiative. The workshop empowered students and startup founders, reinforcing IIT Ropar's commitment to the

development of agriculture, AI and CPS. GEPET was selected under the SAMRIDHI initiative to receive a grant for CPS training. Dr. Anand Kumar (CPS) and student Rohit Kumar also received an additional TIF grant for the development of water treatment technologies. The inaugural session was graced by Dr. Dharmendra Singh (Director, GEPET), Prof. K.N. Meher (Dean, Post Graduate School), Prof. Nishu Meher (Dean, IIT Ropar TIF), Dr. Anand Kumar (CPS), and Co-PIs Dr. Anand Kumar (CPS) and Dr. Himanshu Prasad (CPS).

IIT Ropar Secures ₹100 Crore ANRF-PAIR Grant as Lead of Elite National Consortium

IIT Ropar has been awarded a prestigious ₹100 crore grant under the ANRF-PAIR (Partnerships for Advanced Interdisciplinary Research) initiative, ranking among seven top consortia nationwide. As the lead institution of the DREAMS (Dynamic Research Ecosystem for Advanced Materials Science) consortium, IIT Ropar collaborates with seven partner institutes across Northern India. The consortium targets three critical research areas: materials for mobility and structural applications, materials for electronic and quantum devices, and energy harvesting and storage. This initiative seeks to advance interdisciplinary research through cutting-edge infrastructure, AI-driven materials design, and high-precision simulations, furthering India's pursuit of self-reliance in advanced materials and supporting the Aatmanirbhar Bharat mission.

IIT-Ropar among top 7 institutes nationwide to win prestigious ₹100-cr ANRF-PAIR grant

EXPRESSNEWS SERVICE
ROPAR, CHANDIGARH, April 25
A major breakthrough in research and innovation, the Indian Institute of Technology (IIT) Ropar has secured a prestigious ₹100 crore grant under the ANRF-PAIR (Partnerships for Advanced Interdisciplinary Research) initiative.

The grant, awarded by the newly formed Anusandhan National Research Foundation

(ANRF), will support IIT Ropar's growing leadership in research and innovation, particularly in the fields of materials science, quantum technology, and energy harvesting.

IIT Ropar will serve as the lead institution of the DREAMS consortium, which includes seven other top institutes across Northern India. The grant will be used to develop cutting-edge infrastructure, including high-precision simulations and AI-driven materials design.

The grant is a significant milestone for IIT Ropar, as it marks the first time the institute has secured such a large grant under the ANRF-PAIR initiative. It also highlights the institute's growing reputation as a leading research institution in India.

The grant will be used to develop cutting-edge infrastructure, including high-precision simulations and AI-driven materials design. It will also support the institute's research in quantum technology and energy harvesting, which are key areas of focus for the Aatmanirbhar Bharat mission.

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राजभाषा गतिविधियाँ

भा.प्रौ.सं. रोपड़ में मातृभाषा दिवस का आयोजन

हिंदी प्रकोष्ठ, भा.प्रौ.सं. रोपड़ द्वारा प्रति वर्ष की भांति वर्ष 2025 में मातृभाषा दिवस के उपलक्ष्य पर संस्थान सदस्यों के लिए दिनांक 21 फरवरी, 2025 को मातृभाषा दिवस का आयोजन किया गया। यह प्रतियोगिता का संस्थान के विद्यार्थिगणों, संकाय सदस्यों तथा कर्मचारिवृन्दों के लिए आयोजित की गई थी।



चूंकि भा.प्रौ.सं. रोपड़ भिन्न-भिन्न भाषा-भाषी सदस्यों का एक परिवार है। अतः अपनी-अपनी मातृभाषा में अपनी भावनाओं को व्यक्त करना प्रत्येक व्यक्ति के लिए एक सुखद अनुभव होता है। और इसी उद्देश्य की पूर्ति हेतु संस्थान का हिंदी प्रकोष्ठ प्रतिवर्ष मातृभाषा में प्रतियोगिता का आयोजन करता आ रहा है।

21 फरवरी 2025 को मातृभाषा में कविता पाठ एवं गीत गायन प्रतियोगिता में संस्थान के संकाय सदस्यों एवं कर्मचारिगणों तथा विद्यार्थियों ने बढ़-चढ़ कर प्रतिभागिता ली।

उक्त प्रतियोगिता में सभी प्रतिभागियों ने अपनी मातृभाषा में कविता पाठ एवं गीत गायन किया वहीं कुछ प्रतिभागियों अपने द्वारा स्वरचित एवं स्वरबद्ध कविता का पाठ कर मातृभाषा दिवस के अवसर पर अपनी प्रतिभा को सभी के सम्मुख रखा। सभी प्रतिभागियों ने अपनी-अपनी मातृभाषा में प्रस्तुति से मातृभाषा दिवस की सार्थकता को सिद्ध किया।

इस अवसर पर संकाय/कर्मचारियों एवं विद्यार्थियों के लिए आयोजित प्रतियोगिता के मूल्यांकन हेतु आचार्य अनुपम अग्रवाल (यांत्रिक अभियांत्रिकी विभाग) और आचार्य नरिंदर सिंह (रसायन विज्ञान विभाग) विशेष रूप से आमंत्रित थे। इस अवसर पर हिंदी प्रकोष्ठ के संकाय प्रभारी डॉ. अभिषेक तिवारी भी उपस्थित थे।

इस अवसर पर संस्थान के संकाय सदस्यों एवं कर्मचारिगणों ने अपनी-अपनी मातृभाषा में कविता / गीत को प्रस्तुत किया।

भा.प्रौ.सं. रोपड़ में 76वें गणतंत्र दिवस के उपलक्ष्य में देशभक्ति गीत गायन प्रतियोगिता का आयोजन

हिंदी प्रकोष्ठ द्वारा भारत गणराज्य के 76वें गणतंत्र दिवस के उपलक्ष्य पर भा.प्रौ.सं. रोपड़ के विद्यार्थियों तथा संकाय सदस्य एवं कर्मचारिवृन्दों के लिए देशभक्ति कविता पाठ एवं गीत गायन प्रतियोगिता का आयोजन किया गया।



दिनांक 21 जनवरी 2025 को संस्थान के विद्यार्थियों एवं संकाय/कर्मचारिगणों के लिए आयोजित की गई इस प्रतियोगिता में संस्थान के विभिन्न विभागों के विद्यार्थियों / शोधार्थियों ने तथा विभिन्न विभागों/अनुभागों के अधिकारी/कर्मचारियों ने सहभागिता ली और प्रतियोगिता में अपने देशभक्तिपरक गीतों से पूरा वातावरण देशभक्तिमय कर दिया।

दिनांक 21 जनवरी 2025 को आयोजित प्रतियोगिता में संस्थान के विभिन्न विभागों के विद्यार्थियों एवं कर्मचारियों ने अपने देशभक्ति गीतों से पूरा वातावरण देशभक्ति के रंग में रंग दिया। कुछ प्रतिभागियों ने स्वरचित तो कुछ ने अन्यो की कविताओं एवं गीतों की प्रस्तुति से देश के प्रति अपनी निस्वार्थ भावनाओं को सभी के समक्ष बड़े ही गर्व के साथ रखा।

इस अवसर पर संस्थान के गणित विभाग के सहायक आचार्य डॉ. बालेश कुमार और यांत्रिक अभियांत्रिकी विभाग के सह आचार्य डॉ. रवि कांत परीक्षक के रूप में विशेष रूप से आमंत्रित थे।

प्रतियोगिता के अंतिम चरण में, प्रतियोगिता के परीक्षक पैनल के सदस्यों ने सभी प्रतिभागियों के प्रस्तुति पर विशेष टिप्पणी के साथ सभी का उत्सावर्धन किया। साथ ही, गायन की गुणवत्ता, शब्दों का उच्चारण तथा प्रस्तुति की शैली आदि मूल्यांकन के मानकों को विस्तार से समझाया।

भा.प्रौ.सं. रोपड़ में हिंदी कार्यशाला का आयोजन (दिनांक 20 फरवरी 2025)

राजभाषा विभाग, गृह मंत्रालय, भारत सरकार के दिशा-निर्देशों के अनुपालन में हिंदी प्रकोष्ठ, भा.प्रौ.सं. रोपड़ ने जनवरी-मार्च 2025 तिमाही के दौरान हिंदी कार्यशाला का आयोजन संपन्न किया। संस्थान का हिंदी प्रकोष्ठ प्रति तिमाही एक कार्यशाला का आयोजन संपन्न करता आ रहा है। इसी क्रम में, दिनांक 20 फरवरी 2025 को आनलाइन माध्यम से हिंदी कार्यशाला का आयोजन किया गया। इस कार्यशाला का उद्देश्य संस्थान सदस्यों को उन सभी तकनीकी टूल्स के संबंध में परिचित करना था जिसके सहयोग से वे अपना कार्यालयी कामकाज हिंदी में द्रुत गति से संपन्न कर सकेंगे।



अंग्रेजी से हिंदी में कामकाज को पुष्ट करने के मार्ग में अनुवाद एक सेतु की भूमिका का निर्वहन करता है। इस बिंदु को ध्यान में रखते हुए भा.प्रौ.सं. रोपड़ के हिंदी प्रकोष्ठ “कंठस्थ” टूल के संबंध में संस्थान के कर्मचारी सदस्यों को मार्गदर्शन प्रदान करने हेतु हिंदी कार्यशाला का आयोजन किया। “कंठस्थ” पर मार्गदर्शन करने हेतु भारतीय प्रबंधन संस्थान, मुंबई के हिंदी अधिकारी मो. आफताब आलम जी को वक्ता के रूप में आमंत्रित किया गया था। इस कार्यशाला का भा.प्रौ.सं. रोपड़ के कर्मचारियों के साथ-साथ नगर राजभाषा कार्यान्वयन समिति के सदस्य कार्यालयों के अधिकारियों एवं कर्मचारी सदस्यों ने भी लाभ लिया।

उपर्युक्त उद्देश्य की पूर्ति हेतु संस्थान सदस्यों का मार्गदर्शन करने हेतु डॉ. सौरभ कुमार, हिंदी अधिकारी, भारतीय रासायनिक प्रौद्योगिकी संस्थान, हैदराबाद को विशेष रूप से आमंत्रित किया गया था। आमंत्रित वक्ता डॉ. सौरभ कुमार ने इस डिजिटल/तकनीकी युग में हिंदी के कार्यान्वयन को सरलता से किस प्रकार किया जा सकता है इसकी विस्तार से जानकारी देते हुए संभावित समस्याओं को भी इंगित कर उनका समाधान प्रस्तुत किया।

उक्त कार्यशाला में भारतीय प्रौद्योगिकी संस्थान रोपड़ के कर्मचारियों के साथ-साथ नगर राजभाषा कार्यान्वयन समिति रूपनगर के सदस्य कार्यालयों/बैंको के सदस्यों ने उत्साहजनक प्रतिभागिता सुनिश्चित की।

हिंदी भाषा प्रशिक्षण

भाषा प्रशिक्षण (जुलाई 2024 से नवंबर 2024)

हिंदी शिक्षण योजना, नई दिल्ली द्वारा आयोजित भाषा प्रशिक्षण के जुलाई-नवंबर 2024 सत्र में भा.प्रौ.सं. रोपड़ के 03 कर्मचारी सदस्यों ने प्राज्ञ परीक्षा तथा 01 कर्मचारी सदस्य ने पारंगत प्रशिक्षण उत्तीर्ण किया।

प्राज्ञ प्रशिक्षण उत्तीर्ण कर्मचारी सदस्य



डॉ. नबनीता चक्रवर्ती

कनि. अधीक्षक



श्री अनुज बब्वर

कनि. तकनीकी अधीक्षक



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पारंगत प्रशिक्षण उत्तीर्ण कर्मचारी



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AIDE



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Dr. Surya Kant Sahdeo
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Student Affairs



Sh. Anuj Sharma
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Works & Estate



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