

WELCOME TO MBUST Insights

Quick Stories



President Prof. Dr. Rajendra Dhoj Joshi and Prof. Laxmidhar Behera formally signed the MoU documents with the Indian Institute of Technology (IIT)-Mandi.



Blood donation program successfully held



Agroecology Field Exposure 2026: Visit of students across different institutes in Bagmati Province



Glimpse of mushroom cultivation training

Detailed stories in this newsletter issue



MBUST–IIT Mandi MoU Signed

Advancing Nepal–India research collaboration

–By Dr. Sabina Shrestha

Chitlang, March 19 – Madan Bhandari University of Science and Technology (MBUST), Nepal, has established a landmark partnership with the Indian Institute of Technology (IIT) Mandi, Himachal Pradesh, India.

Prof. Laxmidhar Behera, Director of IIT Mandi, and Prof. Rajendra Dhoj Joshi, President of MBUST, signed the Memorandum of Understanding (MoU) to advance academic and research collaboration in areas of mutual interest.

Established in 2009, IIT Mandi stands as a premier institute delivering world-class education, groundbreaking research, and technological leadership. Its state-of-the-art laboratories drive cutting-edge innovation across disciplines. Prof. Laxmidhar Behera is a renowned scientist pioneering in AI and robotics; Prof. Behera also pursues an active interest in the holistic study of mind, brain, and consciousness through Indian Knowledge Systems. During the signing, Prof. Behera and Prof. Satinder Kumar Sharma, Professor in the School of Computing and Electrical Engineering, shared insights into IIT Mandi's scientific pursuits and possibilities for joint initiatives.



Glimpse of MoU signing program



Prof. Laxmidhar Behera receives a token of appreciation from President Joshi



Prof. Satinder Kumar Sharma receives a token of appreciation from President Joshi



Research for Nepal's Future

World-Class University in Nepal – Airing This Week!

–By Dr. Sabina Shrestha

Exciting news for innovators and academics! This week, NTV World's Senior News Editor, Mr. Devendra Subedi, hosted a high-profile panel discussion on the relevance and feasibility of establishing a world-class university in Nepal—catch the telecast on Wednesday, April 1st.

The esteemed panel featured Dr. Jamil Salmi (Tertiary Education Specialist), Prof. Suzanne Fortier (former Principal and Vice-Chancellor, McGill University), Prof. Seeram Ramakrishna (Xinghua Distinguished Chair Professor, Tsinghua University), Mr. Padma Jyoti (Chairperson, Board of Trustees, MBUST), Mr. Birendra Pandey (President, Confederation of Nepalese Industries), and Prof. Rajendra Dhoj Joshi (President, MBUST).



Panel discussion hosted by NTV world on World Class University in Nepal Relevance and Feasibility

Panelists stressed the urgent need for dynamic, adaptive research environments that address pressing challenges. The discussion highlighted the requirement in a fast-paced world for the need for high-level autonomy for swift, informed decisions, which can enable benchmarking against global standards, accelerating implementation, and fostering breakthrough innovations. It was discussed that universities should prioritize generating applied knowledge that boosts local and national economies. The discussion also suggested identifying missing industry linkages, find what applies for Nepal, attracting top talents, and channeling inventions into revenue-generating funds. Panelists also stressed strategic fundraising, streamlined governance, and collaborative frameworks for high-impact inventions and reminded that investment in education is an investment for the future. Panelists urged finding deeper collaborations by understanding industrial needs and partnering on research to engage young minds in focused areas, nurturing creative, committed talent for delivery.



Agroecology Field Exposure 2026

From Labs to Fields: Learning in Action

-By Aakriti Poudel & Simran Shah

From March 25–27, 2026, a three-day agroecology exposure visit was conducted under the leadership of Academic Vice President Dr. Dinesh Raj Bhujju, along with faculty members for students of Organic Agriculture (OA-CR-502). The visit covered key research and educational institutions across Bagmati Province, aiming to foster direct interaction with scientists, officers, and farmers while promoting knowledge exchange and networking.



Day 1: Potato Crop Development Center, Nigale, Sindhupalchok
Learned about potato seed production systems, including tissue culture, pre-basic and basic seed multiplication.

Day 2: Jiri Technical School, Jiri, Dolakha, Sindhupalchok
Observed how technical education supports sustainable agriculture and drives the "Clean, Green, and Organic Jiri" movement at the community level.

On Day 1, students visited the Potato Crop Development Center in Sindhupalchok, where they observed advanced techniques in Pre-Basic Seed (PBS) production, including hydroponics and aeroponics systems. The visit also provided insights into diverse potato germplasm collections and improved seed storage practices under local conditions.

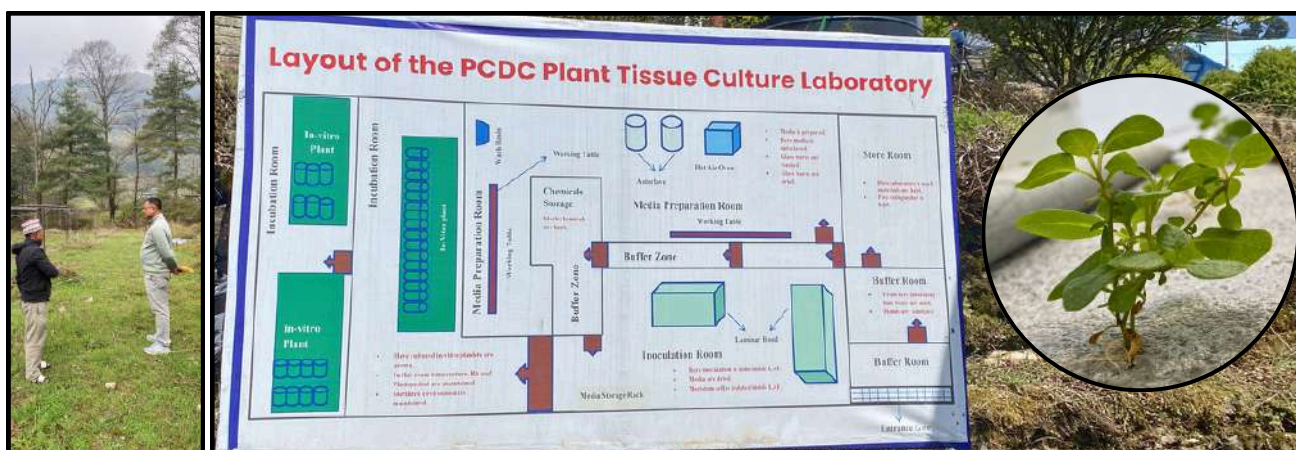




Day 2: Hill Crops Research Program (HCRP), Kabre, Dolakha—Explored research on finger millet, barley, amaranthus and buckwheat, focusing on climate-resilient varieties and local crop improvement.

Day 3: Horticulture Development Center, Boanch, Dolakha—observed temperate fruit rootstock development, nursery management, and varietal trials suited for mid-to-high hill regions.

Day 2 included visits to Jiri Technical School and the Hill Crops Research Program in Dolakha. Students explored kiwi cultivation and integrated aquaculture systems, followed by learning about barley hybridization, emasculation processes, and seed production of crops such as buckwheat and amaranthus.



On Day 3, at the Horticulture Development Center, students observed kiwi rootstock production, high-density apple plantations, and ongoing seed production activities. The visit also highlighted field-level challenges, including disease and pest management issues, further enriching students' understanding of practical agricultural research and real-world applications.



Turning Constraints into Contribution

From missed votes to meaningful impact

–By Nawaraj Pandey

During the election period, when the country slowed down and many of us were unable to physically exercise our voting rights, it initially felt limiting. At the same time, another reality was unfolding. SEE students across the country were struggling. Continuous protests and disruptions had affected their preparation, leaving many less focused and uncertain during a crucial phase of their academic journey. This made us pause and think. If we could not fulfill one responsibility, could we step forward in another way?

With encouragement from Dr. Dinesh Raj Bhujju (Vice President, Academic, MBUST), we began to see this not as a missed opportunity, but as a different kind of duty. During the election week, a dedicated team including Dr. Bhujju, Dr. Sudip Pandey, Er. Sabin Birbal, Uttam Sangtan, Birendra Mahara, Nawaraj Pandey, and Srijana Dangi came together to deliver intensive, exam-focused classes for SEE students in a rural government school. Each of us contributed across different subjects and topics, helping students not just complete their syllabus, but also rebuild confidence, gain clarity, and regain focus.

It reminded us that responsibility does not always come in one form. Even when we could not take part in the electoral process, we could still give back to society in a way that truly matters, through education. At last, we are sincerely grateful to Shochhanda Bhairab School for trusting us and giving us the space to carry out this small but impactful knowledge-sharing effort.



A meaningful moment after the session with Dr. Bhujju and Er. Birbal, capturing our shared effort to support SEE students.



Mr. Birendra guiding students through algebra problems



Mr. Nawaraj helping students solve trigonometry queries



Mushroom Disease Survey

Identifying key threats before monsoon

-By Saugat R.C.

This month, ahead of the monsoon season, the Plant Protection and Biological Control (PPBC) Laboratory conducted a mushroom disease survey across various farms in the Kathmandu Valley. As the lab continues its efforts to develop effective control measures for emerging mushroom diseases using botanical extracts, identifying the most prevalent and damaging diseases has become essential to safeguarding yield and productivity.



Glimpses of the Visit



Shiitake Cultivation Training

Hands-on learning in mushroom production

-By Saugat R.C.

Representing the Mushroom Laboratory of MBUST, key members Mr. Suraj Chaudhary, Mr. Nitesh Khatiwada, and Mr. Prabin B.C. participated in a three-day shiitake mushroom cultivation program organized by Everest Kinoko in Chauni, Kathmandu. The program provided hands-on experience in shiitake production through a practical, learning-by-doing approach.



Photographs of the training program



Visit to Nepal Pharma Expo 2026

Exploring diagnostic technologies for disease control

-By Saugat R.C.

Members of the Plant Protection and Biological Control Laboratory, Principal Investigator Dr. Anupama Shrestha, and Master's student Ms. Simran Shah, visited Nepal Pharma Expo 2026. During the event, they interacted with pharmaceutical experts and explored advanced diagnostic equipment, gaining insights that could be adapted for biological disease control.



Photos from the recent visit



Donate Blood, Save Lives

Successful blood donation program brings community together

-By Saugat R.C.

A blood donation program was successfully organized on March 31, 2026, at Madan Bhandari University of Science and Technology (MBUST), Chitlang. The program was jointly conducted by the Nepal Thalassemia Society and Dark Matter Game Production with the aim of supporting the treatment of patients suffering from thalassemia.

MBUST played a key role in the successful execution of the event by mobilizing volunteers, providing the venue, and managing the overall program. The event commenced at 10:00 AM and brought together individuals committed to making a meaningful contribution to society.

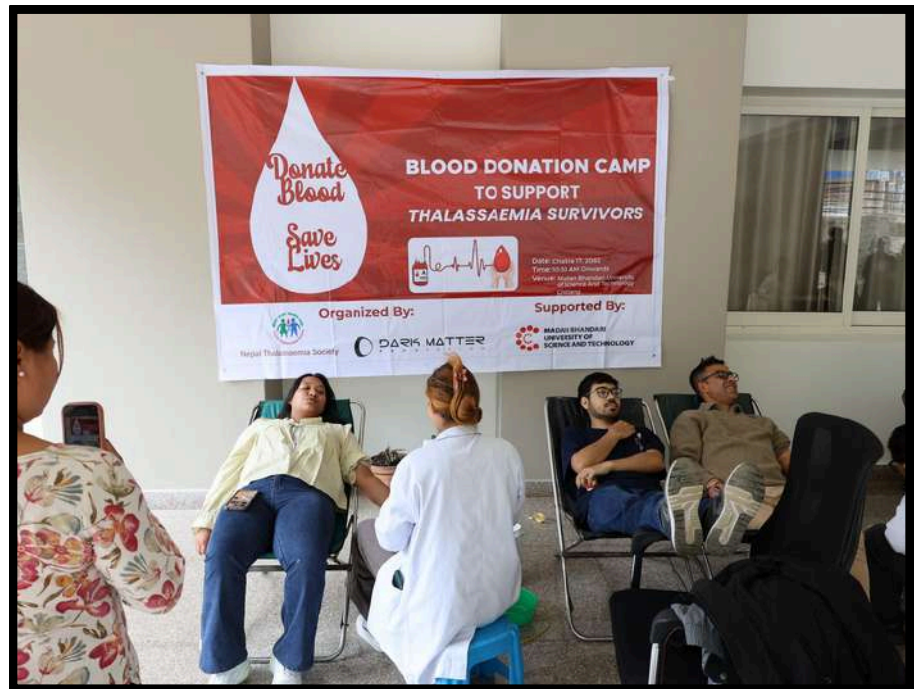
The event witnessed enthusiastic participation from donors who stepped forward to contribute to saving lives. Each drop of blood donated is a step towards giving someone a second chance at life.

We sincerely thank all the donors, volunteers, and organizing team members for their dedication and support in making this program a success. Your generosity and compassion truly make a difference.



Glimpses of the Program











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