

IAAS BANGLADESH IUBAT
NEWSLETTER



TURAG



ASIA PACIFIC DIRECTOR'S MEETING 2025

SONARGAON
ANNUAL
PICNIC 2025

APDM
HSTU



বাংলার মুখ

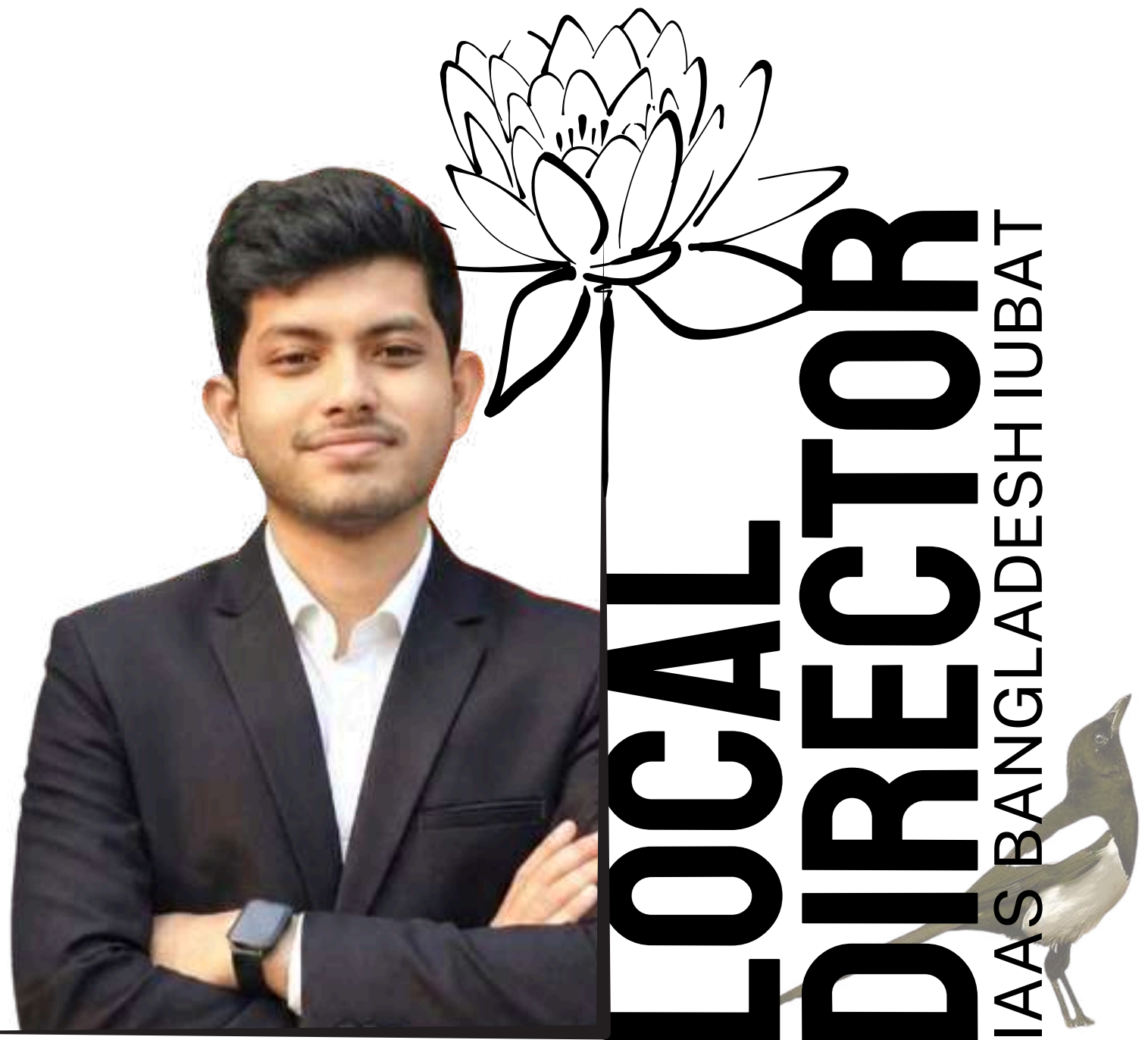
বাংলার মুখ আমি দেখিয়াছি, তাই আমি পৃথিবীর রূপ
খুঁজিতে যাই না আর : অন্ধকারে জেগে উঠে ডুমুরের গাছে
চেয়ে দেখি ছাতার মতো বড় পাতাটির নিচে বসে আছে
ভোরের দয়েলপাখি – চারিদিকে চেয়ে দেখি পল্লবের স্তূপ
জাম-বট-কাঁঠালের-হিজলের-অশথের করে আছে চুপ;
ফণীমনসার ঝোপে শটিবনে তাহাদের ছায়া পড়িয়াছে;
মধুকর ডিঙা থেকে না জানি সে কবে চাঁদ চম্পার কাছে
এমনই হিজল-বট-তমালের নীল ছায়া বাংলার অপরূপ রূপ
দেখেছিল; বেহলাও একদিন গাঙুড়ের জলে ভেলা নিয়ে –
কৃষ্ণ-দ্বাদশীর জোৎস্না যখন মরিয়া গেছে নদীর চড়ায় –
সোনালি ধানের পাশে অসংখ্য অস্বথ বট দেখেছিল, হায়,
শ্যামার নরম গান শুনেছিল – একদিন অমরায় গিয়ে
ছিল খঞ্জনার মতো যখন সে নেচেছিল ইন্দের সভায়
বাংলার নদ-নদী-ভাঁটফুল ঘুঙুরের মতো তার কেঁদেছিল পায়।

জীবনানন্দ দাশ

MESSAGE

At the confluence of vision and resolve, we proudly unveil the inaugural edition of Turag, the newsletter of IAAS Bangladesh IUBAT a testament to a journey not merely begun, but consciously shaped. This first publication is more than a compilation of words; it is the intellectual current of a generation determined to redefine agriculture beyond its conventional boundaries. In an era where food security, sustainability, and innovation intertwine, agriculture demands thinkers who question, adapt, and lead. Over time, our collective efforts through dialogue, exploration, and engagement have sought to transcend passive learning and cultivate purposeful action. Turag emerges as a platform where ideas converge with intent. Each contribution reflects not only knowledge but the courage to reimagine systems long taken for granted. It is here that young minds articulate the future they dare to build.

As we turn these pages, we do not merely witness thoughts—we encounter the beginnings of transformation.



MESSAGE

The release of Turag marks a meaningful step in shaping a culture of responsibility, clarity, and shared vision within our community. It is not just a collection of writings, but a reflection of disciplined effort, ethical practice, and collective dedication. True progress comes when accountability meets creativity, ensuring that every initiative moves with purpose and trust. As Peter Drucker noted, “Management is doing things right; leadership is doing the right things.”

This publication embodies both. Let it encourage thoughtful engagement, strengthen our unity, and inspire each of us to contribute with honesty, precision, and a commitment to long-term impact.





MESSAGE

Editor-in-Chief

Research and Development Wing

As we present the first edition of Turag, this moment reflects more than a publication—it carries the collective spirit, ideas, and aspirations of our community. Knowledge grows when shared, and unity strengthens when voices come together with purpose. As Rabindranath Tagore once expressed, “You can’t cross the sea merely by standing and staring at the water.” This newsletter is our step forward. Let it inspire curiosity, responsibility, and collaboration. Together, with strong unity and vision, we move toward a future shaped by innovation, learning, and meaningful impact.

EB/CB 2024-25



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Our Pride

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Flow of The Delta



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BNH Workshop



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BNP Visit



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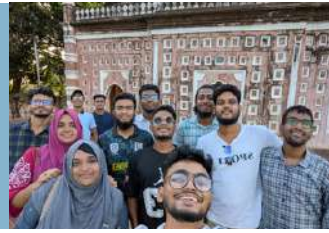
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Seminar on:

Flow of The Delta



IAAS Bangladesh IUBAT successfully organized a seminar titled “Flow of The Delta: Mastering the Waters, Nourishing the Land – Resilience in the Delta’s Ebb and Flow” on 5 May 2025 at the IUBAT Seminar Hall, with the participation of 138 attendees. The seminar created a vibrant platform for students and faculty members to engage in meaningful discussions on sustainable water management in delta regions and its importance for agricultural resilience.



His presentation emphasized the challenges of drought in delta regions and explored effective water management strategies to support sustainable agricultural production. The seminar concluded with active participation and thoughtful exchanges, reinforcing the importance of research, innovation, and collaborative efforts in addressing water-related challenges in delta ecosystems.



The program began with a welcome speech delivered by Prof. Dr. Abdul Karim, Professor of the College of Agricultural Sciences, who highlighted the significance of water resource management in deltaic environments like Bangladesh.

The event also featured an insightful presentation titled “Drought Conditions of the Delta Region and Water Management for Agricultural Production,” presented by Dr. A.J.M. Sirajul Karim, Chair and Professor of the College of Agricultural Sciences.





Educational field visit & Seminar at the BARI

The Local Exchange Program: Educational Field Visit & Seminar at BARI was organized by IAAS Bangladesh IUBAT on 21 April 2025 at the Bangladesh Agricultural Research Institute (BARI) Headquarters, Joydebpur, Gazipur, Dhaka, with the participation of 100 members.

The educational visit was conducted at the Farm Machinery and Postharvest Process Engineering Division of BARI, providing participants with practical exposure to modern agricultural technologies. The team was led by Prof. Dr. Engr. Md. Salim Ullah Khan Eusufzai, Advisor of IAAS Bangladesh IUBAT, and included members from the Executive Board (EB), Control Board (CB), Quality Board (QB), and general members.

During the program, three informative seminars were held focusing on postharvest technologies and value-added processing of mango, jackfruit, and other agricultural crops. The Chief Guest, Dr. Md. Nurul Amin, Chief Scientific Officer of the division, shared valuable insights on innovative research and advancements in postharvest management.

Through this program, participants gained hands-on knowledge and a deeper understanding of modern postharvest handling, processing technologies, and value addition in agriculture, making the event a highly enriching academic and practical learning experience.





Bangladesh National Herbarium Educational visit & workshop

Ratnavandar: Bangladesh National Herbarium Educational Visit & Workshop was organized by IAAS Bangladesh IUBAT on 24 July 2025 at the Bangladesh National Herbarium, Mirpur, Dhaka, with the participation of 45 members. The program was conducted in collaboration with the Bangladesh National Herbarium under the Ratnavandar Project, with a special focus on the development of the Weed Herbarium segment. The event included an educational visit, seminar, and technical workshop designed to provide participants with both theoretical knowledge and hands-on experience in herbarium science.

participants received practical training on scientific methods of plant specimen collection, preservation, and documentation. Participants also visited the Herbarium Museum, home to over 25,000 plant specimens, through a guided tour by Syeda Shahrina Hasin.



The seminar session was conducted by Sardar Nasir Uddin, Chief Scientific Officer of the Bangladesh National Herbarium, who shared valuable insights into the principles, importance, and applications of herbarium science in plant research and biodiversity conservation. Following the seminar, a technical workshop on herbarium sheet preparation was facilitated by Dr. Mahbuba Sultana, Senior Scientific Officer, where





Educational Visit to Central Cattle Breeding and Dairy Farm

The Local Exchange Program: Educational Visit to the Central Cattle Breeding and Dairy Farm was organized on 21 August 2025 at the Central Cattle Breeding and Dairy Farm, Savar, Dhaka, with 63 participants. The program began with an introductory session where Md. Mostafizur Rahman, Animal Production Officer, presented the history, achievements, and operations of the farm. Participants then visited the BYER Section, guided by Runu Rani Roy, Animal Breeder, who explained breeding stock management and the importance of improved cattle breeds, while Md. Saiful Islam, Buyer Officer, discussed livestock trade and buyer operations. In the Veterinary Section, Dr. Ashraf Hossain, Veterinary Surgeon, introduced the farm's animal healthcare facilities and disease prevention practices. The visit concluded at the Bangladesh Central Artificial Insemination Laboratory, where Dr. Rashed, AI Section Officer,



demonstrated artificial insemination techniques and their role in improving cattle genetics and productivity. The program provided participants with valuable insights into modern livestock management, breeding technologies, and sustainable animal production.





Educational Visit to Bhawal National Park

The Local Exchange Program: Educational Visit to Bhawal National Park was organized by IAAS Bangladesh IUBAT, in collaboration with the College of Agricultural Sciences, on 31 July 2025 at Bhawal National Park, Gazipur, Dhaka, with 100 participants. The visit was supervised by Prof. Dr. Md. Abdul Karim, Course



Instructor of Plant Ecology and Crop Climatology, along with Dr. Swapan Kumar Roy. During the visit, participants explored the forest ecosystem of the park, observed various plant and wildlife species, and studied their ecological interactions. The field trip provided students with a practical learning experience on biodiversity, forest ecosystems, and environmental conservation, connecting classroom knowledge with real-world observation.

Seminar on: AI Magic Marvel

AI Magic Marvel: Exploring Artificial Intelligence in Agriculture and Innovation was held on 4 September 2025 at Abedin Tower, Banani, Dhaka, with 35 participants from IAAS Bangladesh IUBAT in collaboration with Skill Zen. The seminar featured Mondip Gharai, Secretary of the National Housing Authority and AI Mentor, and RJ Shanto, Founder & CEO of Voice Factory Bangladesh. The session introduced participants to the practical applications of Artificial Intelligence in agriculture, industry, and data-driven farming, highlighting its role in smarter food production, precision agriculture, sustainable agritech solutions, and innovation-driven careers.



The speakers explained how AI tools, automation, and data analytics can help farmers improve crop monitoring, disease detection, yield prediction, and resource management. Participants also engaged in interactive discussions and practical examples that demonstrated how technology can transform modern agriculture and agribusiness. The seminar ultimately enhanced members' understanding of AI-driven innovation, inspiring them to explore technology-based agricultural solutions and future career opportunities in agritech and digital agriculture.



Annual Picnic 2025

On 14 November 2025, IAAS Bangladesh IUBAT proudly celebrated its 1st Foundation Anniversary together with the Annual Picnic at the historic Panam City in Sonargaon, widely recognized as the capital of ancient Bengal. A total of 55 enthusiastic members joined this memorable day-long program, immersing themselves in the rich cultural and historical heritage of the region. Participants explored iconic landmarks such as Boro Sardar Bari, Andormohol, and the Shilpacharya Museum of Folk & Art, gaining insights into ancient Bengal's traditions and architecture. The celebration commenced with a special cake-cutting ceremony, fostering a sense of unity, friendship, and team spirit among all members.

In the afternoon, an energetic Game Segment took place on the Boro Sardar Bari field, highlighting teamwork, skill, focus, and joyful participation. This event not only provided a platform for learning and exploration but also strengthened bonds among members, marking a significant milestone in IAAS Bangladesh IUBAT's journey. Through this celebration, the organization honored growth, collective achievements, inspiration, and the shared commitment of its members to a brighter future.





ASIA PACIFIC DIRECTORS' MEETING 2025
IAAS BANGLADESH

APDM 2025

An 18-member delegation from IAAS Bangladesh IUBAT proudly participated in the Asia Pacific Director's Meeting (APDM) 2025, held from 27–29 June 2025 at Hajee Mohammad Danesh Science and Technology University (HSTU) in Dinajpur. The program commenced with an engaging Opening Ceremony, followed by insightful seminars and the General Assembly, where our Research & Project Development Officer, Sourav Kanti Bala, was elected as General Secretary and played a leading role in the session. Alongside the official activities, the delegates also had the opportunity to explore local heritage, including a visit to the historic Shri Tulsi Temple by the scenic Dhepa River, making the experience both academically enriching and culturally memorable. Day 2 featured enriching visits to Kantaji Temple, Bangladesh Wheat & Maize Research Institute (BWMRI), and Ramsagar National Park, blending history,



research, and nature. The day ended with a Case Solving & Quiz Competition and a vibrant Cultural Gala Night.

Day 3 highlighted the General Assembly, a field visit to Mohonpur Rubber Dam, exploration of Dinajpur Rajbari, and the Project Showcasing & Closing Ceremony, where IAAS Bangladesh IUBAT presented its signature Ratnavandar and Jagoroni Projects, emphasizing youth-led sustainability and innovation.





ICC 2025

On 14 December 2025 (Friday), a 15-member delegation from IAAS Bangladesh IUBAT proudly participated in the IAAS International Climate Conference 2025, organized by IAAS Bangladesh SAU-DHAKA at the TSC, Sher-e-Bangla Agricultural University.

During the conference, our delegates attended insightful sessions conducted by national and international speakers, took part in the Research Abstract Competition, and explored innovative and emerging technologies focused on climate resilience in agriculture. This enriching experience enhanced their knowledge, research exposure, and understanding of sustainable and climate-smart agricultural practices.



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NaCo 2025

The IAAS Bangladesh 5th National Congress 2025 (NaCo 2025) was a dynamic and enriching event that strongly emphasized youth-led innovation for climate-resilient agriculture. Held on 19 December 2025 at Gazipur Agricultural University, the congress brought together enthusiastic agricultural leaders from across the country. A six-member delegation from IAAS Bangladesh IUBAT actively participated in the inaugural ceremony and multiple seminar sessions, engaging in meaningful discussions on climate adaptation strategies, technology transfer, and sustainable agricultural development. The delegation also visited the CCDB Climate Center, where they gained valuable insights into Bangladesh's agriculture-based ecological resilience and sustainable development initiatives.



On Day 2, visits to BARI, BRRI, and Bhawal National Park provided hands-on exposure to agricultural research, crop innovation, climate-smart farming practices, and ecological conservation.

The congress concluded with a warm and memorable Tea Adda with FamillAAS, fostering unity, shared reflections, and lasting connections, while reinforcing a collective commitment to shaping a sustainable agricultural future for Bangladesh.





IAAS
Scientific
Event



IAAS Asia Pacific Scientific Event 2025

A 13-member delegation from IAAS Bangladesh IUBAT participated in the Asia Pacific Scientific Event 2025, held on 30 May at Bangladesh Agricultural University (BAU), Mymensingh. During the event, the team actively engaged in scientific seminars, poster presentations, and meaningful networking with students and professionals from across the region. A key highlight of the visit was meeting Fahad Khan Onok, Former National Director of IAAS Bangladesh, along with the warm hospitality extended by Dr. Shabur Talukder at his residence. Overall, the experience provided valuable academic exposure, strengthened inter-university connections, and inspired the delegation to further contribute to agricultural excellence.





MANIFESTO TALK

A 45-member delegation from IAAS Bangladesh IUBAT participated in Manifesto Talk 3 on “Fossil Fuels to Renewable Energy & Just Transition,” held on 30 August 2025 (Saturday) at the Nawab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka. The delegation actively engaged in the program, interacting with students, climate activists, and policymakers while advocating for climate responsibility and sustainable energy transitions. Key highlights included insightful panel discussions, knowledge-sharing sessions, and the promotion of the initiative “Leading the Green Future: IAAS Bangladesh IUBAT Delegation Advocates

for Climate and Environmental Responsibility.” Overall, the program enriched members’ understanding of renewable energy, environmental sustainability, and policy advocacy, inspiring them to contribute more effectively toward a greener future.





Krishi Kotha

On October 9, 2025, IAAS Bangladesh IUBAT successfully hosted “Krishi Kotha” – Episode 2 via Google Meet from 9:00 PM to 10:30 PM, with the enthusiastic participation of 95 attendees from diverse academic and leadership backgrounds. Continuing the spirit of knowledge-sharing, the session also reflected on engaging presentations by Shahriar Mannan Imon Talukder, Local Director, on “The World Through a Leaf: How Plants See and Feel.” The episode featured Shahoriar Sabbir Tulon, Head of Control Board, who delivered an insightful presentation on the “Scope of Dairy Industry in Bangladesh,” emphasizing its potential in ensuring nutritional security,



promoting sustainable production, and fostering youth-driven innovation. Participants also explored technology-based solutions and strategies to strengthen the country’s dairy value chain. The program received highly positive feedback for its practical insights and interactive environment, as “Krishi Kotha” continues to inspire agricultural innovation, critical thinking, and active youth engagement toward sustainable development.



The World Through a Leaf: How Plants See and Feel

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Webinar on LinkedIn

IAAS Bangladesh IUBAT successfully organized a webinar titled “LinkedIn: From Profile to Opportunity – Leveraging LinkedIn Professionally” on March 13, 2026 (Friday), from 10:00 PM to 11:00 PM, with the participation of 85 enthusiastic attendees. The session aimed to guide students and young professionals on effectively utilizing LinkedIn for career growth and accessing global opportunities. The webinar featured S. M. Riaz-us Saleheen, President of IAAS World, joining from Leuven, Belgium, as the distinguished guest speaker. He shared valuable insights on building a strong and



professional LinkedIn profile, expanding meaningful networks, and transforming online presence into real career opportunities. The session was well appreciated for its practical insights and engagement, reflecting IAAS Bangladesh IUBAT’s commitment to youth empowerment and global exposure.





Agri-Intern Insights

IAAS Bangladesh IUBAT successfully organized a webinar titled “Agri-Intern Insights” on March 14, 2026, from 10:00 PM to 11:00 PM, with the participation of 80 enthusiastic attendees. The session aimed to provide agricultural students with practical insights into how internships shape career pathways and offer real-life field experiences. The webinar featured Md. Atikuzzaman Shuvo from Gazipur Agricultural University and Dipto Paul from Sher-e-Bangla Agricultural University as intern speakers, who shared their personal internship journeys, challenges faced, key



learning outcomes, and valuable career guidance for aspiring agricultural professionals. The interactive session allowed participants to gain a deeper understanding of the importance of internships in building professional skills and expanding career opportunities in the agricultural sector. Overall, the program was highly appreciated for its informative content and engaging discussions, reflecting IAAS Bangladesh IUBAT’s commitment to empowering students and fostering professional development in agriculture.





Jagoroni

Project Implementation Site: Bashkopa Village, Gazipur, Bangladesh Bashkopa, a lush agricultural village along the Chilai River in Sreepur, Gazipur, is the selected site for the WIA × VCP World Project Competition. On April 10, 2025, the Jagarani Project Team conducted a field survey identifying key issues: aging mango trees, high jackfruit wastage (~45%), pest damage, poor post-harvest management, river pollution from water hyacinth, and lack of modern farming knowledge. Project Goals: Empower local women through training and value-added processing of mango and jackfruit into products like mango bars, pickles, jackfruit chips, and traditional foods. Promote sustainable

farming via training on modern techniques and reduced chemical use. Restore the Chilai River and introduce eco-friendly composting with water hyacinth and vermicompost.



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Editor-in-Chief



Step into a season of renewal with Turag—where ideas flow as freely as the river it's named after. Like spring breathing life into nature, this edition carries fresh inspiration, vibrant voices, and the spirit of growth within IAAS Bangladesh IUBAT. Let Turag move you—gracefully, powerfully—toward new horizons.

Think Globally, Act Locally !


Research and Development Wing



Organizational Bird of IAAS BD IUBAT

English Name: Great Hornbill
Scientific Name: *Buceros bicornis*
(Carl Linnaeus, 1758)
Bangla Name: রাজ ধনেশ





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