15 LIFE ON LAND

Protect, restore and promote sustainable use of terrestrial ecosystems

OUR INITIATIVES ON THE GREEN REVOLUTION

Our university has made significant strides toward advancing Sustainable Development Goal 15, focusing on the protection and restoration of terrestrial ecosystems. We implemented initiatives aimed at enhancing biodiversity on campus, including the establishment of native plant gardens and reforestation projects. Our research programs have actively contributed to understanding land degradation and sustainable forest management, with students and faculty engaging in impactful fieldwork. Additionally, we hosted workshops and seminars to raise awareness about biodiversity conservation, fostering a culture of sustainability within our community. These efforts not only align with our commitment to environmental stewardship but also empower our students to become active advocates for ecological health and sustainability in their future endeavors.

Types of trees	2022	2023	Total
Fruit trees	225	+ 12	237
Small trees	150	+ 17	167
Pine trees	450	+ 14	464
Grape trees	20	+ 8	28

15 LIFE ON LAND

OPEN LECTURES

Mr. Feruzbek Sayfullayev, Head of the Information Service of the non-profit organization ‘Ekolog’ and an eco-volunteer who has been working in the field of ecology for 13 years, visited TSUULL and delivered a guest lecture for Bachelor students titled ‘SDG 15: Biodiversity, Ecology and Sustainable Development Goals’. Participants learned about the importance of waste reduction and what they can do to help.

FOSTERING SUSTAINABILITY: THE GREEN SPACE PROJECT AT OUR UNIVERSITY

Thanks to these continuous efforts, nearly 90% of the university's area has been transformed into green zones, fostering an eco-friendly atmosphere. This dedication to preserving and expanding green spaces not only enhances the beauty of the campus but also supports the principles of responsible consumption and production. By embracing these practices, we are contributing to a sustainable environment, reducing waste, and promoting long-term ecological well-being on campus.

We take great pride in caring for the trees and ensuring they thrive within our campus. The university administration actively encourages students and staff to participate in the Green Space Project, offering opportunities for those who wish to contribute to the environment. This initiative allows us to be hands-on in planting and maintaining trees, ensuring that the campus remains lush and vibrant. Through this collective effort, we are able to directly engage with sustainability practices, making a meaningful impact on our surroundings.

The Global Digital Garden is a partnership between TSUULL and Biology Research Centre

INTRODUCING TSUULL DIGITAL GARDEN

TSUULL Global Digital Garden (QR format), envisioned as a dynamic and interconnected ecosystem, seamlessly blends the physical and virtual realms to nurture the growth of groundbreaking agritech innovations. It stands as a testament to our commitment to sustainability, with trees and flowers cared for jointly by the university and parents' association. This collaborative effort symbolizes our dedication to a greener future.

- Serving as both a physical and virtual hub, it thrives as a platform for the conception, validation, and real-world demonstration of transformative agritech solutions.

-Within this innovative garden, we cultivate a rich landscape of digital tools that empower tactical and strategic decision-making processes.

-Additionally, it acts as a beacon for open-book sustainability reporting and benchmarking, fostering practices aligned with sustainability goals, such as achieving net-zero emissions and circularity.

-Moreover, the garden serves as fertile ground for workforce training and preparedness,

PIONEERING HANDS-FREE, COMMERCIAL MIXED FARMING OPERATIONS ON A GLOBAL SCALE

This digital garden represents not only a blueprint for the farm of tomorrow but also a cornerstone that shapes the landscape of education, research, and farming practices in the digital age.

Our Vision for the TSUULL Digital Garden

is to create an extensive research and innovation facility of choice, inspiring and educating our clients towards a dynamic and sustainable farming future.

Picture this:Extended Reality Hub: Imagine a space where you can step into the future of farming using AI/VR technology.

This is where you see your garden through new eyes, exploring innovative possibilities.Innovation Center: Our on-site facilities foster industry, research, and community collaboration.

With boardrooms,lecture halls, breakout rooms, event spaces, and a functional kitchen, it's where dreams take shape, deals are sealed, and education sessions come to life.

Interactive Learning Experience:

As TSUULL's first GARDEN interactive experience, we bring innovations to life.

It captures the imagination of the next generation of agricultural professionals while inspiring today's workforce. Lifelong learning thrives here.

Training Facility: Industry workforces can upskill and retrain through hands-on learning, where seeing is believing and doing leads to mastery.

On-Campus Community Space:

It's where learning and community converge, supporting diverse activities such as rural health, social inclusion, resilience building, networking, and mental health support.

Here, communities of interest become communities of action. Fully-Operating Garden: Coexisting with a farm-wide l andscape space, our digital garden blends innovation with real-world farming, creating a sustainable and dynamic future for spectacular view.

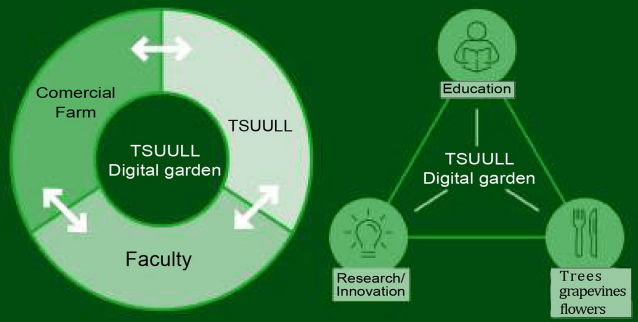
The TSUULL Digital Garden is where research, education, innovation, and community engagement flourish, shaping the future of farming for generations to come.

TSUULL has initiated a comprehensive landscaping project, embracing artisanal techniques to enhance both its external perimeters and internal spaces. The existing mature trees receive specialized watering systems, while the creation of new green areas aligns seamlessly with the principles of the "Green Home" national program.

In response, the university has strategically undertaken landscaping efforts within its 2.1-hectare TSUULL Digital Garden, situated at 103 Yusuf Khos Hoja Street in the Yakka-Saroy district. Within this innovative digital landscape, we nurture an impressive collection of 825 diverse fruit and ornamental trees, alongside 20 grapevines extending 30 meters each, positioned strategically to serve various facets of our digital GARDEN.

Each tree symbolizes a connection to faculties, departments, and professors, reflecting our shared dedication to environmental stewardship and sustainable farming. Furthermore, our campus design prioritizes expansive spaces, offering both parents and teachers an inviting environment. Commencing on October 25th, we have scheduled the planting of an additional 400 trees, contributing to the ongoing transformation and sustainability of the TSUULL Digital Garden.

TSUULL Digital Garden warmly extends an invitation for meaningful collaboration. We wholeheartedly welcome engagement with government, industry, and educational stakeholders, offering a platform where your expertise in GREEN EDUCATION research and innovation can flourish on a grand scale and within real-world conditions.
As the TSUULL Digital Garden, our commitment to advancing sustainability and innovation is resolute. Although we are a humanitarian university at heart, our dedication to supporting sustainable goals knows no bounds.
We invite you to join hands with us as your preferred partner in the realm of pioneering agricultural innovation and sustainability. Together, we can shape a greener and more prosperous future for agriculture and beyond.



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