



Sustainability Report

2024-25

Prepared by:

Office of Research innovation and Commercialization (ORIC)

MNS University of Agriculture Multan

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Executive Summary

In the Academic year 2024-25, we proudly report a campus environment characterized by a remarkable dedication to sustainability and inclusivity. With over 97% open space, more than 40% forest coverage, and exceeding 50% planted vegetation, more than 42% of the total campus area for water absorption, university commitment to preserving natural landscapes is evident, also the ratio of total open space area to the campus population is greater than 120 m² per person. Financially, we allocated over 43% of university budget to sustainability initiatives. Operational excellence is exemplified through 100% commitment to building operation and maintenance. University campus facilities prioritize inclusivity, with support for special needs and maternity care. Robust security infrastructure ensures a response time of less than 05 minutes, while comprehensive health facilities are accessible to all. We also embrace comprehensive conservation programs, spanning flora, fauna, and genetic resources.

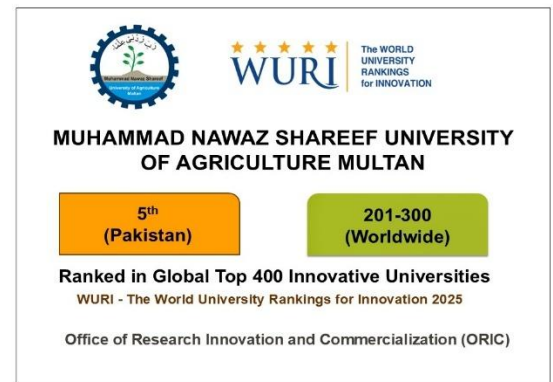
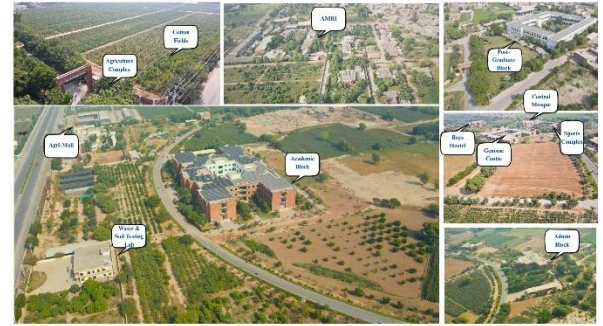
University dedication to energy efficiency is evident, with over 93% of appliances now classified as energy efficient, and the successful implementation of smart building technology. Furthermore, university have made substantial investments in renewable energy sources, boasting four sources on campus. University efficient energy management is exemplified by a low total electricity usage per capita, standing at less than 50 kWh/person, and total energy production from renewable sources is 1,212,625 kWh in the year 2024-25. University have integrated sustainability into construction and renovation policies with the above three elements of green building practices. In addition, university comprehensive greenhouse gas emission reduction program addresses all three scopes of emissions (Scope 1, 2, and 3). Remarkably, university carbon footprint per person remains under 0.05 metric tons, reflecting dedication to carbon reduction. We are also proud to support innovation in energy and climate change with more than three innovative programs, and university impactful university programs extend beyond university campus, providing training and educational materials at local, national, regional, and international levels. We have successfully implemented a robust 3R (Reduce, Reuse and Recycle) program for waste management, with over 100% compliance, effectively minimizing ecological footprint. Furthermore, university dedication to reducing paper and plastic consumption is evident through the execution of more than three programs on campus. Over 90% of organic, inorganic, and toxic waste are treated responsibly, while toxic waste generation has been drastically reduced, affirming university conscientious waste management practices. University sewage disposal undergoes tertiary treatment, ensuring its environmental compatibility. Additionally, we have made significant efforts in water conservation, over 60% of water conservation programs successfully implemented, university commitment extends to installing over 85% of water-efficient appliances campus-wide, Lastly, university comprehensive water pollution control policy and programs are not only fully implemented but are also subject to regular monitoring, exemplifying unwavering dedication to safeguarding the environment within university campus and beyond.

MNS University of Agriculture, Multan (MNSUAM) having the advantage of public transportation readily accessible right at its entrance gate. University dedication extends to

providing a sustainable transportation solution through a shuttle service that utilizes regular and zero-emission vehicles, prioritizing both convenience and environmental responsibility. Notably, campus proudly offers Zero Emission Vehicles (ZEVs) for free, reflecting significant investment in eco-conscious transportation options. Additionally, we have efficiently allocated campus space, with parking areas accounting for less than 1% of the total campus area, showing commitment to green spaces. MNSUAM promotes the usage of zero-emission vehicles, such as bicycles, as a preferred mode of transportation. Additionally, university faculty members also encourage to use bicycles as an eco-friendly means of commuting, we do not charge any parking fees for zero-emission vehicles, but parking fees are imposed on private vehicles. Furthermore, our campus pedestrian paths, designed with safety and convenience and disabled-friendly features creating a sustainable and accessible campus for all. We are pleased to present the remarkable strides university has made in advancing sustainability across its academic, research, and extracurricular endeavors. With a robust ratio of sustainability courses to total subjects surpassing 88%, we are deeply committed to integrating sustainability into curriculum. Furthermore, our dedication to pioneering sustainability research is exemplified by a funding ratio exceeding 45% and a substantial 341 scholarly publications (Average Per annum) on sustainability. University vibrant campus culture actively fosters sustainability through over 60 sustainability-related events and more than 50 student-led sustainability activities each year. MNSUAM upholds its commitment to transparency and accessibility with an up-to-date sustainability website, ensuring easy access to information. University campus comes alive with an array of cultural activities, and we organize more than ten cultural events in the academic year 2024-25. With more than ten international collaborations in sustainability programs and we proudly engage on a global scale. Additionally, we have done more than 12 community service projects and incubated more than 25 sustainability-related startups in this academic year. These achievements underscore unwavering commitment to sustainability, firmly establishing MNSUAM as a leader in sustainable education and innovation. Alhamdulillah...!!!

Introduction

Muhammad Nawaz Shareef University of Agriculture, Multan is an HEC recognized university of Pakistan chartered in 2013. The vision of the university is to become a world class university in agriculture and allied sciences by providing effective systems and leadership for professional learning, research, entrepreneurship, and community service. The university follows the core values of diversity, integration, engagement, resourcing, due diligence, transparency, and impact assessment. Since 2016, MNSUAM has been rapidly advancing and has quickly gained a reputation as one of the fastest-growing academic institutions in the country. The university's advancement has been verified by the reports and evaluations from HEC, Accreditation Council, the Agriculture Department, the government representatives, and local and foreign experts. The university has also emerged in international rankings, including Time Higher Education Rankings, WURI (World Universities with Real Impact), and UI GreenMetric Ranking, as an environmentally sustainable university. The MNSUAM main campus is located at Old Shujabad Road in Multan. The campus includes undergraduate academic block, graduate research block, central lab system, research farm, administration block, student hostels, library, central mosque, and employees housing facility. The campus expansion work has started building National Centre for Genomics and Speed Breeding, another Academic Block, a Girl's Hostel, and a Sports Complex. Moreover, a solar energy plant has been installed for energy conservation and sustainable eco-friendly environment at the campus. The main campus has a geographical advantage of lying in the center of different wings of Punjab Agriculture Department including Central Cotton Research Institute, Cotton Research Station, Agricultural Mechanization Research Institute, Soil and Water Testing Laboratory, Directorate of Water Management, Agricultural Extension Wing, Pest Warning and Quality Control of Pesticides, Fisheries Department, Federal Seed Certification and Registration Department. All these research and extension offices along with the University's main campus are known as Agriculture Complex, aiming to facilitate the farming community of the region. The University also has a research and outreach station spanning 500 acres at Jalalpur Pirwala.



The university offers 60 undergraduate and postgraduate programs, and the current enrollment is about 7000. The university has 150 faculty members, most of them are PhD from various technologically advanced countries. The University thrives in quality teaching, learning, and research on campus. It has established a center of Genomics and Speed Breeding, Center for Agricultural Sustainability in South Punjab, Fruit and Tree Breeding Centre and the Department of Outreach and Continuing Education to strengthen its research and outreach initiatives. The Office of Research, Innovation, and Commercialization has been recognized by HEC Pakistan and is working to improve the research capabilities of faculty. The Quality Enhancement Cell ensures high-quality education through careful assessments and real-time evaluations.

The Directorate of Student Affairs supports students with admission, course selection, registration, financial assistance, and the Career Development Center helps students find employment after graduation. About 70% of undergraduate students are engaged by the industry and progressive farmers on paid internships in their final semester. The Career Development Centre frequently organizes Job Fairs where university graduates are hired by the private and public sector organizations. Also, a fair number of university graduates has initiated their own entrepreneurial startups. The Business Incubation Center encourages organizes business plan competitions incubates with the help of HEC and local industry. The BIC has incubated more than 15 promising starts ups for their further development into the accelerating companies.

Research and outreach activities include research projects, publications, workshops, seminars, and conferences. Faculty members are doing basic and applied research projects funded by national and international funding bodies including HEC, PARB, PSF, WFP, ICARDA, SUPARCO, Pak-Italy, PHEC, ICIMOD, FAO, ACIAR, DIFID, DAAD. The faculty and postgraduate students are engaged with the industry for applied research. The annual impact factor research publications exceed 300, on an average three publications per faculty member per year and 10 patents have been filed for registratsion to date.



The MNSUAM frequently organizes national and international conferences, ideas and business plan competitions and national and international webinars. Moreover, capacity building and mentoring activities for faculty members, training sessions for students/researchers under the Central Lab System, and outreach and recreational activities are organized at regular intervals. The outreach activities include Mango Festivals, DICE Business Plan Competition, farmers training on Ultra High-Density Planting and honey beekeeping, farmer advisory, industry consultancy, and working with communities through social action plans on various socio-economic opportunities.

MNSUAM rigorously engages with and serves the community. The University strongly commits to public service and regularly involves the community in its academic and non-academic activities. The community initiatives of kitchen gardening, organic vegetables through hydroponic and on-farm production, and urban forestry have been among the top projects.

The students and faculty members went beyond the hill torrent areas to conduct flood relief and rehabilitation activities, including ration drives, health and veterinary camps, and agricultural inputs for land. The Government of Pakistan acknowledged the community services, and one of the Rover Scouts of the University was awarded Prime Minister's Flood Relief Hero Award in 2022.

The university has strengthened its academic and research collaborations and signed MoCs/agreements with national and international organizations, including universities like University of California Davis, University of Georgia, University of Sydney, Charels Sturt University, Chinese Academy of Agricultural Sciences, Tang Chinese Education & Technology Ltd, FAO. Selcuk University, etc. Academia-Industry linkages are a major focus of the university. The major industry partners include Syngenta, Corteva, BASF, Engro, FFC, Fatima Fertilizers, Volka Foods, Mehmood Textile, Coloney Textile, Farm Dynamics etc. The university faculty is engaged with the farming community for productivity enhancement and value addition through cluster farming. Along with local and global engagement, the MNSUAM aims to become a center of excellence in innovation and entrepreneurship, providing resources and support for startups and incubators to develop social enterprises. The train its graduates for better citizenry the university emphasizes on experiential learning, active citizenship education, and social and religious tolerance.



Vision:

To develop a world class university in agricultural and allied sciences by providing effective systems and leadership for professional learning, research, entrepreneurship and community service.

Mission:

To provide food security and build knowledge-based economy through intellectual and social transformation.

Concept of Sustainability

MNS University of Agriculture, Multan (MNSUAM) is dedicated to sustainability across various aspects of its operations and campus life. The university boasts a highly eco-friendly campus with over 97% open space and significant green coverage, contributing to a low carbon footprint. Its commitment to energy efficiency is evident through the use of renewable energy sources, such as a 500-kW solar system, which allows the university to generate more energy than it consumes. Water conservation efforts include rainwater harvesting and greywater recycling, ensuring responsible use of resources. MNSUAM also prioritizes waste management with a robust 3R (Reduce, Reuse, Recycle) program, drastically reducing waste production. Moreover, the university promotes sustainable transportation through the use of zero-emission vehicles, shuttle services, and bicycle tracks. By integrating sustainability into its curriculum and supporting innovative research and startups, MNSUAM is shaping a future of environmental stewardship and regional agricultural advancement.



ORIC Team	SDG Team		
			
Prof. Dr. Mubashir Mehdi (Director ORIC)	Prof. Dr. Nasir Nadeem (SDG-1: No Poverty)	Dr. M. Shahbaz (SDG-2: Zero Hunger)	Dr. M. Unsar Naeem Ullah (SDG-3: Good Health and Well Being)
			
Dr. Muqarrab Ali (Focal Person UI GreenMetric Rankings & SDG-15: Life on Land)	Dr. Mohsin Nawaz (SDG-6: Clean Water and Sanitation)	Dr. Shazia Hanif (SDG-7: Affordable and Clean Energy)	Dr. Umar Ijaz Ahmad (SDG-10: Reduced Inequalities)
			
Mr. Zeeshan (Research Officer Rankings)	Dr. M. Usman Jamshaid (SDG-11: Sustainable Cities and Communities)	Dr. Shakeel Ahmad (SDG 12: Responsible Consumption and Production)	Dr. Ahmad Mahmood (SDG-13: Climate Action)
			
Mr. Ahmad Hasham (Focal Person Sustainability Website)	Dr. Abid Hussain (SDG-9: Industry Innovation and Infrastructure & SDG-17: Partnership to Achieve the Goals)	Dr. Wazir Ahmad (Sustainable Transportation & Estate Management)	Dr. Mohsin Khan (Sustainable Campus Infrastructure)





Sustainable Campus Infrastructure



Strengthening of Physical Infrastructure:

Physical infrastructure plays a vital role to develop any educational institution of the world. There are many factors which affect quality of education and research, but a conducive environment is the most important factor for consideration. A lot of efforts have been made to develop the infrastructure in a way to achieve the objective for provision of congenial environment to the students, faculty and administration of this university.

Total Campus Building Area (meter²)

<p>Building in Block A (Academic Block) Area 5017 m²</p> 	<p>Building in Block A (Girls Hostel) Area 5825 m²</p> 
<p>Building in Block A (Vice Chancellor Residence) Area 395 m²</p>	<p>Building in Block A (Faculty Residence) Area 1928 m²</p>
	

Building in Block B (Academic Block)
Area 18335 m²



Building in Block B (Administration Block)
Area 3749 m²



Building in Block B (Boys Hostel)
Area 5825 m²



Building in Block B (Guest House)
Area 611 m²



Building in Block B Central Library
Area 970 m²



National crop genomics and Speed Breeding Centre



Area 6,196 m²

Fatima-Tu-Zahra Masjid



Area 3005 m²

Water absorption besides forest & Planted Vegetation (meter²)



**Concrete blocks and Lawns
(Post Graduate Block)**



**Lawns inside the Building
(Post Graduate Block)**



Green Belts (Covered Road Sides)



Lawns (Academic Block)



Lawns (Admin Block)



Green Belts (Admin Block)

Description:

Total water absorption area = **255,807 m²**

Total area: 728,434m²

Total water absorption area in Percent: **35%**

Operation and maintenance activities



Lawn Maintenance (Admin Block)



Concrete Blocks paved at Postgraduate Block (Before and After)



Repainting of Parking Signs



Door Maintenance

Campus facilities for disable, special needs and or maternity care



1-Wheelchair ramps



2- Accessible toilet



3-Elevator installed



4-Electric Wheelchair distribution



5-Special Parking for disables

Security and safety facilities



Security Staff



CCTV Camera's



Fire Hind rant



Walk through Security gates



Heightened security check posts



Video Surveillance Room



Installed: Fire Extinguishers and Fire Buckets



Water Boozers:



Emergency Contact Information:



Road Safety Seminar Organized in Collaboration with Highway and Motorways Police



Training on: How to respond in emergency situations

Health infrastructure facilities for students, academics and administrative staffs' wellbeing



University Wellness Centre



University Gymnasium

Conservation Facilities



Fishpond Aqua-Culture



Miyawaki Urban Forests



Animal Shed



Hydroponics Unit

ICT Facilities



Conference rooms

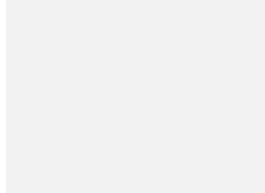
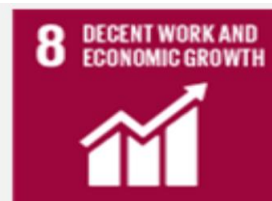


Smart Class rooms



ICT Infrastructure

Energy and Climate Change



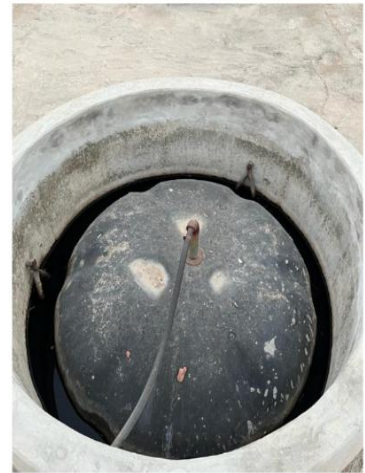
Energy Efficient Appliances Usage

MNS University of Agriculture Multan, as an institution dedicated to fostering green energy technology, knowledge, innovation, and progress. We have implemented energy-efficient lighting, fans, and air conditioning systems across our campus. By adopting these technologies, we not only reduce energy consumption but also showcase our commitment to creating a sustainable environment for our students, faculty, and staff. For lighting 12 watts led bulbs are being used, for air conditioning most of the appliances are DC Inverter and all the ceiling fans are 100 watts. The campus roads, corridors and lawns are illuminated with LED lights.



Renewable Energy Sources in Campus

MNSUAM commitment is exemplified by impressive 500 kW solar system, Solar operated gadgets, Irrigation system, wind power and Hydro power, biogas as farm and university energy source.

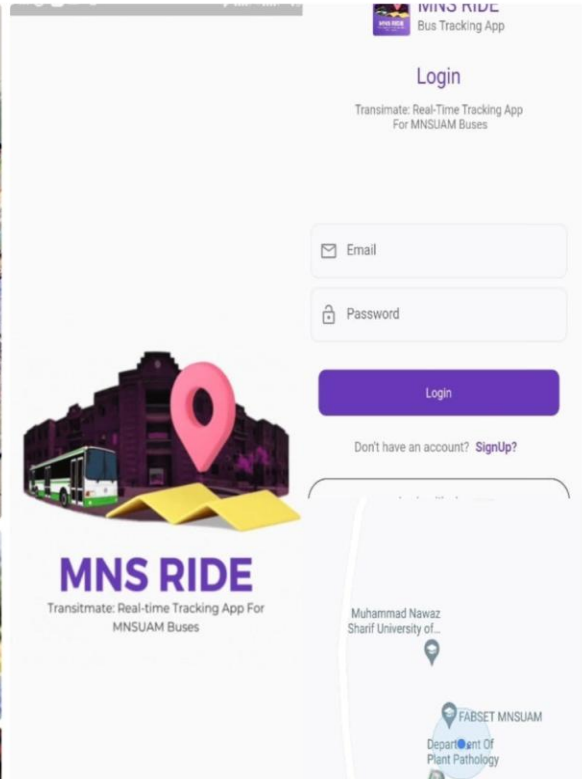


Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies

All the newly constructed buildings in MNS University of Agriculture, Multan have proper vents and green building implementation elements. All the smart buildings have approved structures from Multan Development Authority. Around all the smart buildings, green lawn and green belts have been established while approved plantation particularly of shady trees have been ensured around all the smart building and even along the boundary wall to address climate change. Our expanded blocks are under constructed & certified by PEC Green Buildings. The university has introduced the concept of Smart buildings equipped with efficient ventilation systems and surrounded by green belts and plantation for healthy environment around the buildings. All the corridors are properly ventilated and roof tops have vents for maximum utilization of daylight.



Greenhouse Gas Emission Reduction Program



MUHAMMAD NAWAZ
SHAREEF UNIVERSITY OF
AGRICULTURE, MULTAN



Veh No: _____

Date: _____

Parking Fee Rs 100/-

INSTRUCTIONS:

- 1-Use of a helmet is necessary.
- 2- Parking in disabled parking spots is strictly forbidden
- 3- The timing for parking vehicles is from 8:00 AM to 8:00 PM.

Install Eddy Flux Tower in Collaboration with FAO



Muhammad Nawaz Shareef (MNS) University of Agriculture, Multan, has recently installed an Eddy Co-variance (EC) flux tower on its campus with support of Food and Agriculture Organization FAO UN under the GCF project" Transforming the Indus Basin with Climate Resilient Agriculture and Water Management . This advanced equipment measures exchanges of gases, energy, and heat between the earth's surface and the atmosphere, providing critical data on carbon dioxide, water vapor, and energy fluxes. The eddy flux tower continuously monitors environmental variables, helping researchers better understand local climate dynamics, carbon cycling, water accounting and the impact of agricultural practices for better water management. This installation supports MNSUAM's commitment to climate research and sustainable agriculture, allowing for more data-driven approaches to environmental management, water accounting and sustainability efforts on campus and beyond.

Impactful University Programs and actions on Climate Change

Muhammad Nawaz Shareef
University of Agriculture, Multan



**ADMISSIONS
OPEN
2024**

**BSc(Hons)
Agriculture
(Soil Science)**

BS Environmental Sciences

MSc Climate Change

MSc Soil Science

PhD Soil Science

Career Opportunities

- ★ Ministry of Climate Change
- ★ Higher Education Department
- ★ Environmental Protection Agency
- ★ Banking Sector Environmental Health
- ★ Tourism Department GIS & RS Specialists
- ★ Pesticide Companies
- ★ OHS Officers WWF/NGO's/PPSC
- ★ Pesticides and Fertilizers Lab Chemists
- ★ Waste Management Company Managers
- ★ Environment Consultant
- ★ Climate Officers
- ★ Farm Managers



**DEPARTMENT OF SOIL
AND ENVIRONMENTAL SCIENCES**

www.mnsuam.edu.pk 0333-6940829



Celebration of World Soil Day

INTERNATIONAL DAY OF BIOLOGICAL DIVERSITY 2024

The Department of Outreach and Continuing Education in collaboration with UNESCO chair of low carbon and sustainable agriculture at Biosphere reserves celebrated the International Day of Biological Diversity through plantation drive, video and poster competitions on May 22, 2024. The day was celebrated with great enthusiasm and commitment, highlighting the importance of biodiversity in maintaining ecological balance and supporting sustainable development. The event featured a series of engaging activities designed to raise awareness and promote active participation in biodiversity conservation. The day started with Plantation Drive near Mulberry Courts (boys' hostel) at 9:00 am. This drive aimed to encourage participants to plant trees, creating a sense of responsibility towards the environment.



The initiative highlighted the critical role of urban forests in conserving and maintaining biodiversity, mitigating climate change, and supporting livelihoods in cities. Participants, including students, faculty members, and community leaders, enthusiastically planted various native tree species, reinforcing the importance of preserving green spaces for future generations. Following the plantation drive, the Inauguration Ceremony began at 10:00 am. The ceremony was graced by esteemed guests and speakers who emphasized the significance of biodiversity in sustaining life on Earth. Prof. Dr. Shafqat Saeed, Dean FAES inaugurated the ceremony and visited the posters and video stalls. During his conversation with the participants, he highlighted how biodiversity contributes to food security, health, clean water, and resilience to climate change.

Waste Management



Strategies for sustainable waste management at MNS-UAM

This action plan is presented in response to decision made in the meeting of committee (constituted for Clean and Green Pakistan Campaign) regarding a letter from Punjab Higher Education Commission (PHEC) vide no. PHEC (HT&FD)/C&GP/18-1/2019, dated: July 9, 2019. The Students of Muhammad Nawaz Shareef University of Agriculture Multan recycle the tetra packs wastage and convert into tough tiles for constructing the trough paths. Additionally, this program allows all types recyclables (plastic, paper, glass, aluminum) to be placed in the separate containers, making it easier for the user.

Point to be address	Action Performed	Future plan	Targeted SDGs
University strategies for effective waste management and treatment.	<ol style="list-style-type: none"> 1. Different colored (red, blue and green) drums have been installed at cafeteria of MNSUAM for source segregation of organic and inorganic wastes and their efficient recycling. 2. Boards were displayed to convince the students and staff for putting the different types of wastes into their respective bins. 3. Seminars and lectures have been organized to create awareness about the need and benefits of waste recycling. 4. Students were engaged in activity based learning by their active participation in waste collection using different colored bags. 5. The administration notified that documents should be printed on both sides and only the necessary documents should be printed. 6. Different committees are working to keep the campus and society clean and green. 7. The student organization called the Clean Environment Volunteer Force is actively monitoring cleanliness on campus at all times. 8. The university has established a waste management site for recycling, which includes composting organic waste and recycling inorganic materials. 9. Sanitary workers of the university were trained for efficient waste collection and management. 10. The university signed a memorandum of understanding (MoU) with recycling companies to enhance waste management practices. 	<ul style="list-style-type: none"> ➤ More dedicated bins will be placed at various locations throughout the university for the source segregation of different types of waste. ➤ Teachers will motivate and educate students about cleanliness and its impact on both mental and physical health throughout their lives. 	3,8,12,14,15 & 17

3R (Reduce, Reuse and Recycle) Program for University Waste



MNS-UNIVERSITY OF AGRICULTURE, MULTAN
Old Shujabad Road, Multan

GENERAL SECTION: REGISTRAR OFFICE
Tel: 061-9201541, Email: zulfiqar.tabassum@mnsuam.edu.pk

No: MNS-UAM/RO-4-N/175
Date: 24.02.2021

Notification

The Vice Chancellor has been pleased to accord approval to constitute the following committees with immediate effect for the development of effective solid waste management system at the Campus of MNS-University of Agriculture,

a. Core Committee:

1. Prof. Dr. Tanveer-ul-Haq
Chairman, Deptt. of S&ES Convener
2. Dr. Alamgir Akhtar Khan
Subject Expert Member
3. Dr. M. Asif Raza
Director Estate Management Member
4. Treasurer Nominee Member
5. Dr. Shakeel Ahmad
Assistant Professor Secretary

b. Sub Committees:

Details of the sub Committees are as follows:

Task	Committees	Responsibility
Solid waste collaboration delivery to waste management site	<ul style="list-style-type: none">• Dr. M. Asif Raza Convener• Dr. Mudassar Ali Member• Farm Manager Member• Dr. Wazir Ahmed Secretary	The collection and delivery of solid waste material from color coded bins (Green, Yellow and Red) from buildings and grass clipping and crop residues from farms/lawns on waste management site.
Waste Segregation at site	<ul style="list-style-type: none">• Dr. Shakeel Ahmad Convener• Estate Care Nominee Member• Dr. M. Usman Jamshaid Secretary	<ul style="list-style-type: none">• The solid waste will be segregated into organic waste, recyclable and non-recyclable waste according to provided SOP's• Estate Care will provide labor for the sorting of waste

01 of 02

Composting process of organic waste at site	<ul style="list-style-type: none"> • Prof. Dr. Tanveer-ul-Haq • Dr. Alamgir A. Khan • Dr. M. Usman Jamshaid • Dr. Mohsin Nawaz • Estate Care Nominee • Dr. Shakeel Ahmad 	<ul style="list-style-type: none"> Convener Member Member Member Member Secretary 	<ul style="list-style-type: none"> • Team will be responsible for composting of organic waste at site. • Estate Care will provide labor needed for composting operations.
Auction of recyclable material	<ul style="list-style-type: none"> • Dr. Shakeel Ahmad • Dr. M. Usman Jamshaid • Treasurer Nominee • Dr. Wazir Ahmed 	<ul style="list-style-type: none"> Convener Member Member Secretary 	<ul style="list-style-type: none"> • Arrangements for auction of recyclable material and making the system sustainable
Disposal of non-recyclable	<ul style="list-style-type: none"> • Estate Care Nominee 		<ul style="list-style-type: none"> • Safe disposal of non-recyclable material



Zulfiqar Ali Tabassum
Deputy Registrar (G)
For Registrar

CC:-

1. All Deans (Acting)/Directors/HOD's/Chairmen of the Teaching Departments/Institutes
2. Convener, Members and Secretaries of the committee
3. Treasurer
4. Secretary to the Vice Chancellor
5. Notification File

Waste Collection System



Awareness Posters displays for the usage of Separate containers



Different colored bins for effective waste segregation

Waste Management System

- A site for sustainable management of University waste has been established in MNSUAM.
- Organic waste is converted into 2 products to improve soil health.
 1. Compost
 2. Biochar



Composting



Layering of organic wastes and turning during composting

Finished compost



Sieving



Application to ornamentals



Packing

Biochar preparation



Preparation of biochar



Preparation of biochar-based slow-release P-fertilizer



FAO and MNSUAM Collaborate on Ramadan Food Waste Campaign



Poster making Competition to Promote Food Waste Reduction Campaign in Ramadan



WORLD ENVIRONMENT DAY CELEBRATIONS



Model Competition at World Environment Day 2023 to promote recycling



MNS UNIVERSITY OF AGRICULTURE, MULTAN
DIRECTORATE OF GRADUATE STUDIES

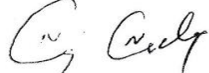
No. GS/ 2022/552

Dated: 07/09/2022

Notification

Subject: Printing and submission of final hard binding of thesis

The agenda regarding submission of number of copies of final hard binding of thesis and printing on single or double side of page was discussed in 16th meeting of BASR held on 13-06-2022. The BASR principally agreed but suggested that it should be discussed in Executive Committee for further deliberation and selecting the best method of thesis submission. Accordingly, it was discussed in 31st meeting of Executive Committee held on 01-08-2022 and after detailed deliberation, it was agreed that only three printed hard copies of thesis will be submitted by the student to the office of Controller Examinations. The Controller Examination will send one copy to main library and one copy to departmental library after necessary official scrutiny while the 3rd copy will be kept by the Controller Examination. Moreover, a soft copy of the thesis (both in word and pdf format) including scanned signed pages with number and date shall also be submitted to Controller of Examination. The Controller Office shall send one soft approved copy to each DGS, main library, departmental library, and concerned supervisor. The house further decided that thesis may be printed on both sides of the pages to reduce the use of papers. However, the house did not agree to reduce the minimum limit of 75 pages for thesis.


Director Graduate Studies

CC

- All Deans/Director
- All HoDs
- All Faculty
- Controller of the Examinations
- Notice Board

Printing and Submission of Reports and thesis using both side of the papers

Waste Management Policy



Dr. Shakeel Ahmad



MNS-University of Agriculture, Multan-Pakistan



MNS-UNIVERSITY OF AGRICULTURE, MULTAN

Old Shujabad Road, Multan

GENERAL SECTION: REGISTRAR OFFICE

Tel: 061-9201541, Email: arg@mnsuam.edu.pk

No: MNSUAM/RO-04/469

Date: 03-06-2024

NOTIFICATION

The Vice Chancellor has accorded administrative approval to celebrate "World Environment Day-2024" on 5th June, 2024 with theme "Our Land. Our Future. We are# Generation Restoration" being organized by the Department of Soil & Environmental Sciences, and Climate Change in collaboration with Green Youth Movement, Plant for Life Society and Local Stakeholders. An evaluation committee will judge the entries based on pre-defined criteria, with prizes awarded to the winners. The detail of the program is attached herewith.

The following committees will look after all necessary arrangements to organize the said activity.

Organizing Committee:

- | | |
|---|-----------|
| 1. Prof. Dr. Tanveer ul Haq
Chairman, Deptt. of S&ES | Convener |
| 2. Dr. Shakeel Ahmad
Assistant Professor, S&ES | Member |
| 3. Dr. Ahmad Mahmood
Assistant Professor, Climate Change | Secretary |

Invitation Committee:

- | | |
|--|-----------|
| 1. Dr. Muhammad Baqir Hussain
Associate Professor, S&ES | Convener |
| 2. Dr. Wazir Ahmed
Associate Professor, S&ES | Member |
| 3. Dr. Muhammad Arif
Lecturer, S&ES | Member |
| 4. Dr. Muhammad Imran
Assistant Professor, S&ES | Secretary |

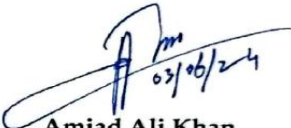
Report Writing Committee:

- | | |
|---|-----------|
| 1. Dr. Shakeel Ahmad
Assistant Professor, S&ES | Convener |
| 2. Dr. Wazir Ahmed
Associate Professor, S&ES | Member |
| 3. Dr. M. Usman Jamshaid
Lecturer/Senior Tutor | Member |
| 4. Dr. Waseem Hassan
Assistant Professor, S&ES | Secretary |

Page: 01 of 02

Poster/Model Committee:

- | | |
|--------------------------------------|-----------|
| 1. Dr. Muhammad Baqir Hussain | Convener |
| Associate Professor, S&ES | |
| 2. Dr. Amar Matloob | Member |
| Associate Professor, Climate Change | |
| 3. Dr. Muqarrab Ali | Member |
| Associate Professor, Climate Change | |
| 4. Dr. M. Usman Jamshaid | Member |
| Lecturer/Senior Tutor | |
| 5. Dr. Umair Riaz | Secretary |
| Assistant Professor, S&ES | |


Amjad Ali Khan
Assistant Registrar (G)

Copy to: -

1. Deans of the Faculties/Coordinator of the Faculty
2. Convener, Members and Secretary of the committees
3. Secretary to the Vice Chancellor
4. P.A to Registrar
5. Concerned File

Page: 02 of 02

 CamScanner

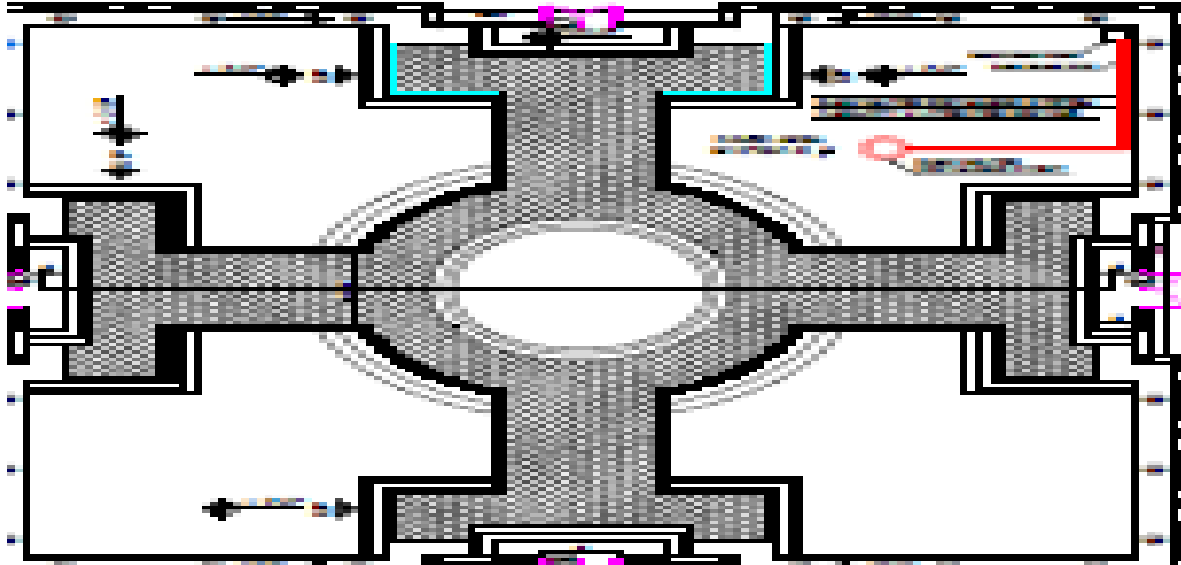
Event Notification: World Environment Day 2024

Water



Water Conservation Program Implementation

MNS University of Agriculture has demonstrated its commitment to sustainable water management by installing a rainwater recharge system in Academic Block B. This system is designed to capture rainwater from rooftops, driveways, and other surfaces, allowing it to infiltrate the ground and replenish the groundwater table. By reducing surface runoff and mitigating the risk of flooding, the system helps address water scarcity, making it a valuable asset for the university.



Rainwater Harvesting for Groundwater Recharge



Rain Water Collection – Storage Ponds

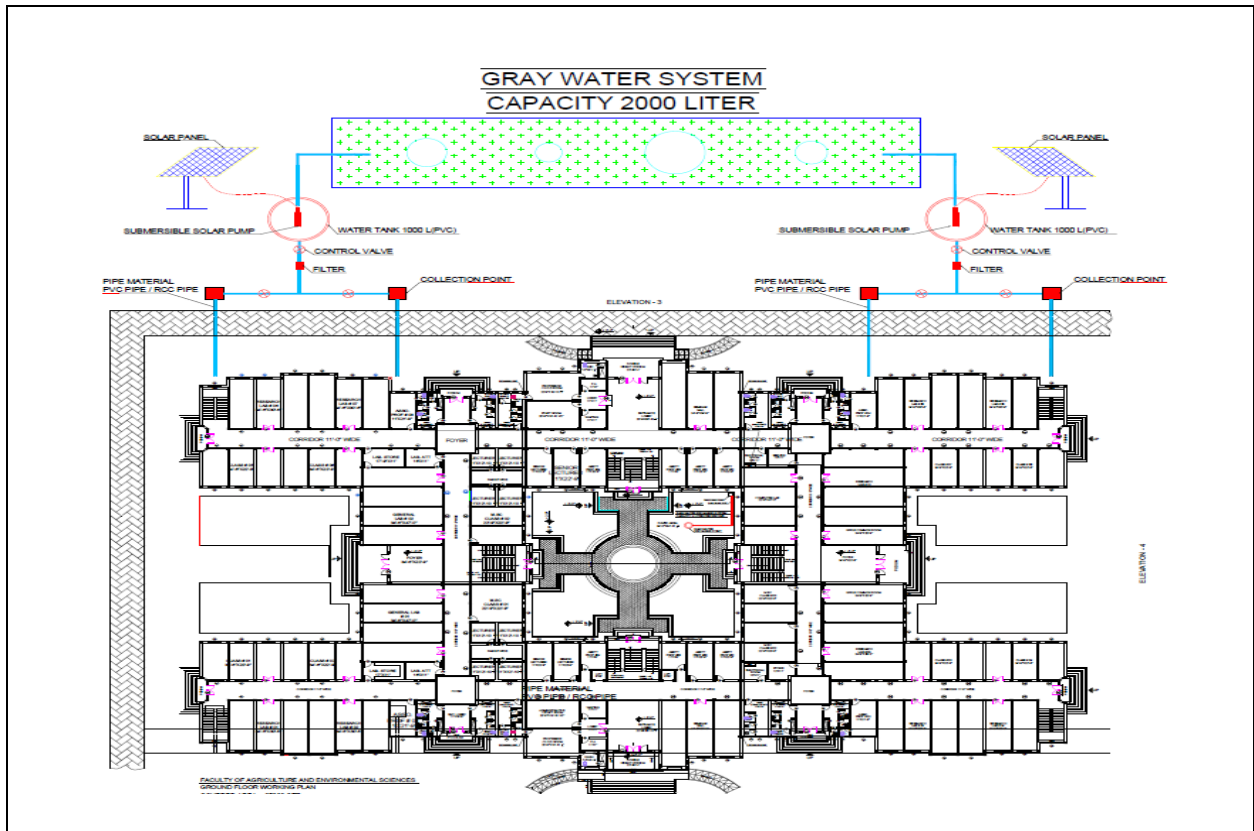


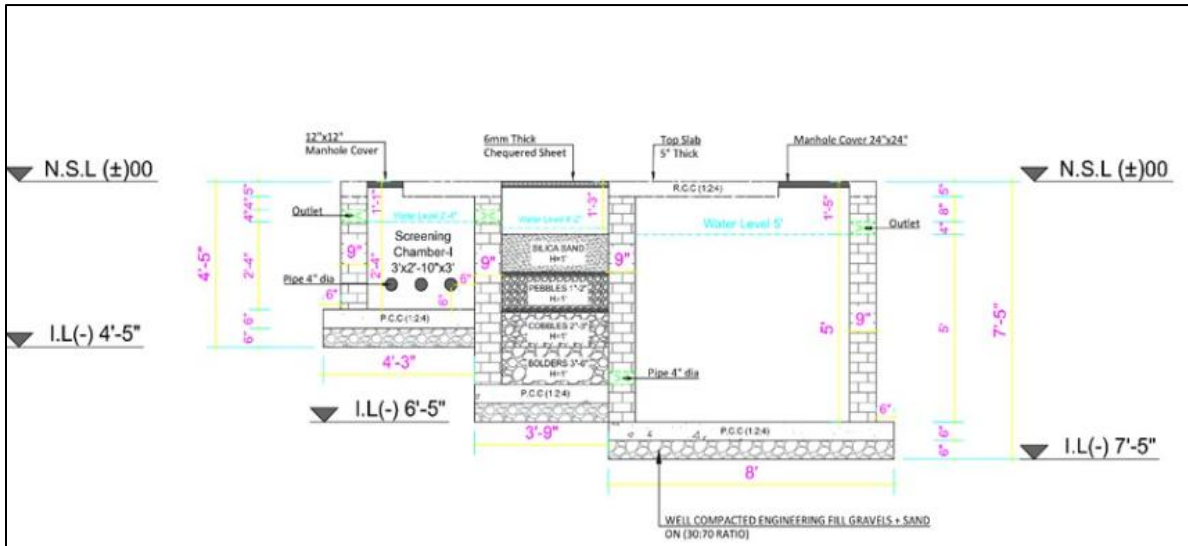
Fermenter Technology at University Research farm Jalalpur Pirwala

<https://www.youtube.com/watch?v=54GLDbtaS8c>



Rain Harvesting System





Grey Water System

A greywater collection system is designed to reuse and recycle less contaminated wastewater generated from sources like sinks, showers, and laundry. The purpose is to reduce water wastage by treating and repurposing this relatively clean water for purposes such as irrigation, flushing toilets, or even in some cases, filtering for non-potable uses. This helps conserve freshwater resources and can contribute to more sustainable water management.

The management at MNS University of Agriculture is much concerned about the grey water collection and use of this water for plantation and agriculture purposes. Recently the management has installed a grey water system in the academic block for achieving the said goals of grey water system. During tertiary treatment of water, we used chlorine during chlorination process to disinfect bacteria and viruses, and eliminate parasites such as Giardia and Cryptosporidium, which caused very serious illnesses.

To remove the chlorine, a compound called sodium bisulfite is added to the water. Chlorine ions in the water react with this chemical and are removed. Once the chlorine concentration has been reduced to a safe level, the treated water is now considered clean enough to be safely released into the environment

Muhammad Nawaz Shareef University of Agriculture, Multan has installed ablution water recycling system with the aid of WWF. The Mosque is under construction and the system connected to the ablution facility. The water recycled for agricultural purposes.

Water Efficient Appliances

The Use of Water Efficient Appliances (Water tap, toilet flush, etc.) installed at Muhammad Nawaz Shareef University of Agriculture, Multan.

Appliance	Total Number	Total number water Efficient appliances	Percentage
Toilet	90	78	86%
Wastafel	84	74	90%
		Average Percentage	88%



Water Efficient Appliances Usage

Consumption of Treated Water

In MNSUAM, we employ rainwater for washing purposes, such as car, bus cleaning and utilizing greywater for the irrigation of our agricultural fields and lawns. This innovative approach allows us to reduce our reliance on conventional water sources and harness the natural abundance of rainwater, promoting both environmental sustainability and cost efficiency in our operations.



Utilizing of Rain Water for Consumption

TREATED GREY WATER



Utilization of Treated Grey Water for Consumption

Life under water: SDG-14

On April 1, 2024, the Department of Zoology, Wildlife & Fisheries at the Faculty of Veterinary & Animal Sciences organized an SDG-14 awareness day. The event focused on water conservation and marine life protection. Notable guests included Dr. Asif Raza, Dr. Shafqat Saeed, Dr. Irfan Ahmad Baig, and Dr. Umar Farooq. The program began with a Quran recitation, followed by a seminar featuring Dr. Naheed Bano, who addressed water pollution and endangered species, and Dr. Aziz ul Rehman, who discussed waterborne diseases. Students presented fish-based dishes and models to promote seafood production. The event concluded with an awareness walk.



Two days Hands on Training of Groundwater Modelling and information product

The two-day training on groundwater hydrology and modeling provided a comprehensive blend of theoretical concepts and hands-on practice to address climate change impacts on agricultural water management. Day 1 focused on the fundamentals of groundwater hydrology and modeling techniques, including a detailed session on data requirements for constructing effective models. Key outputs, such as the Groundwater Modelling outcomes for the Khanewal area, were shared with stakeholders.

On Day 2, participants engaged in a practical session using Groundwater Vista software, where they developed a steady-state groundwater model. This included defining model boundaries, integrating a Digital Elevation Model (DEM) from USGS Earth Explorer, and analyzing bore log data to determine stratigraphy and hydraulic properties. The session covered inputting hydraulic data and boundary conditions, followed by the development and execution of individual models. The training effectively transitioned from theory to application, enhancing participants' proficiency in groundwater modeling.



Additional evidence link:

Annual Report 2024-25

<https://techprojects.mnsuam.edu.pk/sustainability/wp-content/uploads/2025/10/Annual-Report-2024-25.pdf>

<u>Startup</u> Electronic smart Nakay for water management	Details are available on Page # 64 Source Annual Report 2024-25
<u>Publication:</u> Assessing groundwater monitoring in the Southern Bari Doab and guidance for strengthening groundwater monitoring across Punjab	Details are available on Page # 73 Source Annual Report 2024-25
Effect of plant growth regulators on water relations, proximate composition, and ascorbate/glutathione cycle of late-sown wheat under saline conditions.	Details are available on Page # 78 Source Annual Report 2024-25
Exploring the synergistic effect of animal manure and biochar to improve maize growth and productivity under water deficit condition	Details are available on Page # 81 Source Annual Report 2024-25
Modelling climate change impacts and adaptation strategies for managing groundwater resources in Southern Punjab	Details are available on Page # 87 Source Annual Report 2024-25
Supplemental sodium nitroprusside and spermidine regulate water balance and chlorophyll pigments to improve sunflower yield under terminal drought	Details are available on Page # 93 Source Annual Report 2024-25
Synergistic interactions and reaction mechanisms of biochar surface functionalities in antibiotics removal from industrial wastewater.	Details are available on Page # 94 Source Annual Report 2024-25
Synthesis and characterization of a fluorescent magnetic molecularly imprinted polymer for enhanced adsorption and selective extraction of pesticides from agricultural waters	Details are available on Page # 94 Source Annual Report 2024-25
Unveiling antibiotic contamination in surface water: A study of the Huaihe River Basin's Huaibei Plain, a significant Chinese herbal medicine planting region.	Details are available on Page # 96 Source Annual Report 2024-25
Using non-parametric approach to explore groundwater use efficiency of spring maize in Bari Doab, Punjab Pakistan	Details are available on Page # 97 Source Annual Report 2024-25
Valorization of textile waste for removal of Cadmium from contaminated water	Details are available on Page # 97 Source Annual Report 2024-25
Water deprivation and sowing times alter plant–pollination interactions and seed yield in sunflower	Details are available on Page # 97 Source Annual Report 2024-25
Drought resilience of wheat genotypes through microbial bio stimulants under water deficit regimes	Details are available on Page # 105 Source Annual Report 2024-25

Evaluation of different irrigation settings to maximize water productivity	Details are available on Page # 107 Source Annual Report 2024-25
Hydrothermal integrated chemical treatment of microplastics for efficient degradation: Mechanistic insight and degradation behavior	Details are available on Page # 110 Source Annual Report 2024-25
Interactive effects of reduced irrigation and coated fertilizer on nutrient and water use efficiency of maize	Details are available on Page # 111 Source Annual Report 2024-25
Tillage practices affect the soil health, water use efficiency and yield of lentil in hill torrent area of District Dera Ghazi Khan, Pakistan.	Details are available on Page # 117 Source Annual Report 2024-25
Enhancing water use efficiency, maize productivity and portability with drip and <input type="checkbox"/> oppy sprinkler irrigation systems in arid climate	Details are available on Page # 119 Source Annual Report 2024-25
<u>Book Chapters:</u> Water Governance Nurturing Resilience for Sustainable Development	Details are available on Page # 124 Source Annual Report 2024-25
Predictive Modelling of Water Levels Using Univariate and Multivariate Time Series Approaches	Details are available on Page # 128 Source Annual Report 2024-25
Hydrogen Rich Water and Molecular Hydrogen for Fresh Fruits and Vegetables	Details are available on Page # 131 Source Annual Report 2024-25
Molecular Hydrogen and Hydrogen-rich Water for Fresh Fruit and Vegetable Preservation	Details are available on Page # 133 Source Annual Report 2024-25
Molecular Hydrogen and Hydrogen-rich Water for Fresh Fruit and Vegetable Preservation. In Sustainable Postharvest Technologies for Fruits and Vegetables	Details are available on Page # 134 Source Annual Report 2024-25
<u>Trainings and Workshop Organized:</u> Remote Sensing for Agricultural Water Management	Details are available on Page # 159 Source Annual Report 2024-25
<u>Universities Building Economies:</u> South Punjab Agricultural Forum <u>Colloborative Departments:</u> 1-Soil and Water Testing Laboratory 2-Directorate of Water Management	Details are available on Page # 171 Source Annual Report 2024-25
<u>Industrial Project:</u> Risk-Based Assessments of Aquifer Vulnerability for Khanewal Study Area	Details are available on Page # 171 Source Annual Report 2024-25
Establishment of a Mobile Laboratory System for Real-Time Assessment of Soil and Water Quality	Details are available on Page # 173 Source Annual Report 2024-25
<u>FAO Funded Project</u> Eddy Covariance Flex Tower Inaugurated at JPP Research Farm of MNSUAM	Details are available on Page # 178 Source Annual Report 2024-25
Strengthening Bilateral Collaboration: Indonesian Embassy Official Visits MNSUAM	Details are available on Page # 181 Source Annual Report 2024-25
<u>Strengthening of Muhammad Nawaz Shareef University of Agriculture, Multan</u> Overhead Water Tank: Structure completed and Finishing work is in progress.	Details are available on Page # 190 Source Annual Report 2024-25
Provision of Fresh Irrigation Water and Other Basic Infrastructure Facilities at Jalalpur Pirwala (JPPW) Farm of MNSUAM	Details are available on Page # 193 Source Annual Report 2024-25

Agricultural Farm, Main Campus, Multan

Additional facilities established at the farm include a functional **fishpond**, poultry shed, **water treatment ponds**, a small-tree mango orchard system, a citrus block, and kitchen gardening units for hands-on student training and demonstration.

Details are available on Page # 196
Source Annual Report 2024-25

<https://techprojects.mnsuam.edu.pk/sustainability/wp-content/uploads/2025/10/Annual-Report-2024-25.pdf>

Transportation



11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION



15 LIFE ON LAND



17 PARTNERSHIPS FOR THE GOALS



1st Shift	07:50 am	08:00 am	08:10 am	08:15 am	08:20 am	08:25 am	08:30 am	08:35 am	08:40 am	08:50 am
2nd Shift	10:50 am	11:00 am	11:10 am	11:15 am	11:20 am	11:25 am	11:30 am	11:35 am	11:40 am	11:50 am
Route1	Golbag	Awan Chowk	Raza Abad	Airport Chowk	MDA Chowk	Nishter Chowk	High Court	Bumanji Chowk	Railway Station	University
Route2	-	BZU	Chungi no 6	Chungi no 7	Kalma Chowk	Dara Ada	Aziz Hotel	Bilal Chowk	University	-
Route3	-	Madni Chowk	Peoples Colony	BCG Chowk	Gala Mandi	Walayat Abad	Aziz Hotel	Farooq Pura	University	-
Route4	-	Raheem Chowk	Doulat Gate	Mumtaz Abad	Madina Town	Bahawalpur Bypass	Nag Shah	Kayan Pur	University	-
Route5	-	Muzaffar Abad	Nadir Abad	Tehsil Mor	Tounsa Street	Qasim Bela	Ghora Chowk	Grid Station	University	-
Route6	Piran Gaib	Qazafi Stadium	Bilal Motors	Kalma Chowk	Sp Chowk	Double Phatak	Chowngi no 21	University	-	-

Shuttle Service Routes details and timings

Zero Emission Vehicles (ZEV) Policy on Campus

The MNS University of Agriculture campus prioritizes the safety and convenience of cyclists and pedestrians. It features vehicle-free pathways, with a strict 30 km/h speed limit imposed on all internal roads and cycle paths. Additionally, every block provides free cycle parking facilities. The university actively promotes cycling and walking within the campus, regularly organizing cycle races and physical activities.





Zero Emission Vehicle Policy Implementation



The Society of Engineers and Technologists (SET) and Green Youth Movement (GYM) club collaborated with the students of Lahore University of Management Sciences (LUMS) to host an

awareness session on electric four wheeler functions and sustainability on May 3, 2024, at MNS University of Agriculture, Multan. The session explored the functionalities and environmental advantages of recently developed electric four wheelers by LUMS University. The session provided a clear understanding of electric vehicles (EVs) particularly the latest advancements in four-wheeler technology. Economic benefits were another important topic discussed during the session.

Ratio of Parking Area to Total Campus Area



Description:

Total main campus area: 728434 m²

Total parking area = 6187 m²

$$\text{Ratio} = 6187 / 728434 * 100 = 0.84$$



MNS UNIVERSITY OF AGRICULTURE, MULTAN

Old Shujabad Road, Multan

Directorate of Estate Management

Email: dem@mnsuam.edu.pk

Phone: +92-61-92001709

No. MNSUAM/DEM-No.155

Date: 03-09-2024

Notification

In compliance with the orders of the Directorate of Estate Management, all **minor parking areas**, particularly those near the **Academic Blocks, Administration Block, and other non-parking spaces**, are hereby dismantled with effect from **September 03, 2024**.

All faculty, staff, students, and visitors are strictly directed to park their vehicles only in the **designated major parking areas** as per university policy. Any violation, including parking in dismantled or non-parking zones, shall result in the imposition of challans and may also invite necessary disciplinary or administrative action.

The following **parking fee structure** shall apply in the designated parking areas:

- **Motorbike:** Rs. 20
- **Car/Jeep:** Rs. 50
- **Bicycles & Electric Vehicles (Bike, Scooties, Car):** Free of charge

This notification is issued with the approval of the Competent Authority.

Dr. Wazir Ahmed

Deputy Director Estate Management

Copy for information to:

1. Director Estate Management
2. Chief Security Officer
3. PO, Student Affairs (For circulation among students)
4. Senior Tutor
5. Deans/ Directors/Coordinators (Academic activities)
6. Treasurer
7. Registrar
8. Secretary to Vice Chancellor
9. Office copy

Important Notification for all Parking Areas

Program to limit or decrease the parking area on campus for the last 3 years (from 2021 to 2023)

MNSUAM, being a young university with nearly a decade of age, having limited parking space. However, the university benefits from the advantage of readily accessible public transport at its entrance, helps reduce the need for expanded parking facilities. MNS University of Agriculture, Multan, has also launched initiatives to further minimize private vehicle usage, including restricted parking zones for students, free bicycles on campus, parking fees, and a shuttle tracking application. These measures not only promote sustainability but also reduce the demand for parking space, easing traffic congestion on campus.



Limiting parking zone (MNSUAM)



Free Bicycle (MNSUAM)

	MUHAMMAD NAWAZ SHAREEF UNIVERSITY OF AGRICULTURE, MULTAN	
Veh No: _____		
Date: _____		
Parking Fee Rs 100/-		
INSTRUCTIONS:		
1- Use of a helmet is necessary.		
2- Separate Parking for disable persons.		
3- Vehicles may be parked for a specified duration only.		

Charge for Parking



Shuttle Tracking Application (MNSUAM)

Number of Transportation Initiatives to Decrease Private Vehicles on Campus

MNSUAM, being a young university with nearly a decade of age, having limited parking space. However, the university benefits from the advantage of readily accessible public transport at its entrance, helps reduce the need for expanded parking facilities. MNS University of Agriculture, Multan, has also launched initiatives to further minimize private vehicle usage, including restricted parking zones for students, free bicycles on campus, parking fees, and a shuttle tracking application. These measures not only promote sustainability but also reduce the demand for parking space, easing traffic congestion on campus.



Affordable Public Transport available at Door step of MNSUAM



Campus Shuttle Service



**MUHAMMAD NAWAZ
SHAREEF UNIVERSITY OF
AGRICULTURE, MULTAN**



Veh No: _____
Date: _____

Parking Fee Rs 100/-

INSTRUCTIONS:

- 1- Use of a helmet is necessary.
- 2- Separate Parking for disable persons.
- 3- Vehicles may be parked for a specified duration only.

Chargeable parking



Limited and Paid Parking Zone



Free Bicycle



Shuttle Tracking Application

Pedestrian Path Policy on Campus

- ✓ Separator between road for vehicle and pedestrian path.
- ✓ The facility of lift is also provided in admin and academic block to facilitate students particularly with special needs.
- ✓ Ramps and guiding blocks which have suitable design for pedestrian having physical disabilities.
- ✓ Disable friendly ramps are constructed to facilitate disable persons.



Pedestrian path with Green Belt



Pedestrian path with concrete Blocks



Disable friendly Ramps (MNSUAM)

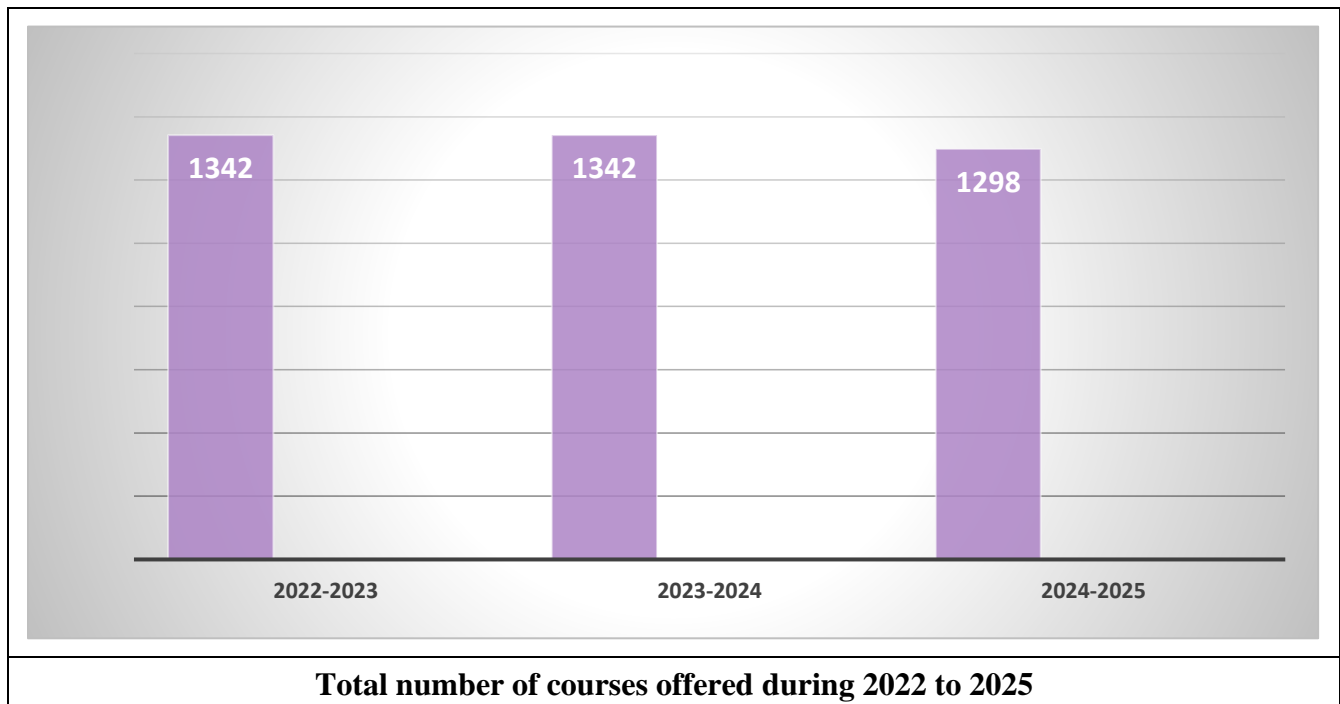
Education and Research



Total Number of Courses/Subjects Offered

Total number of courses offered = 1298 courses (not modules)

2022-2023	1342
2023-2024	1342
2024-2025	1298



Total Research Funds Dedicated to Sustainability Research (in US Dollars)

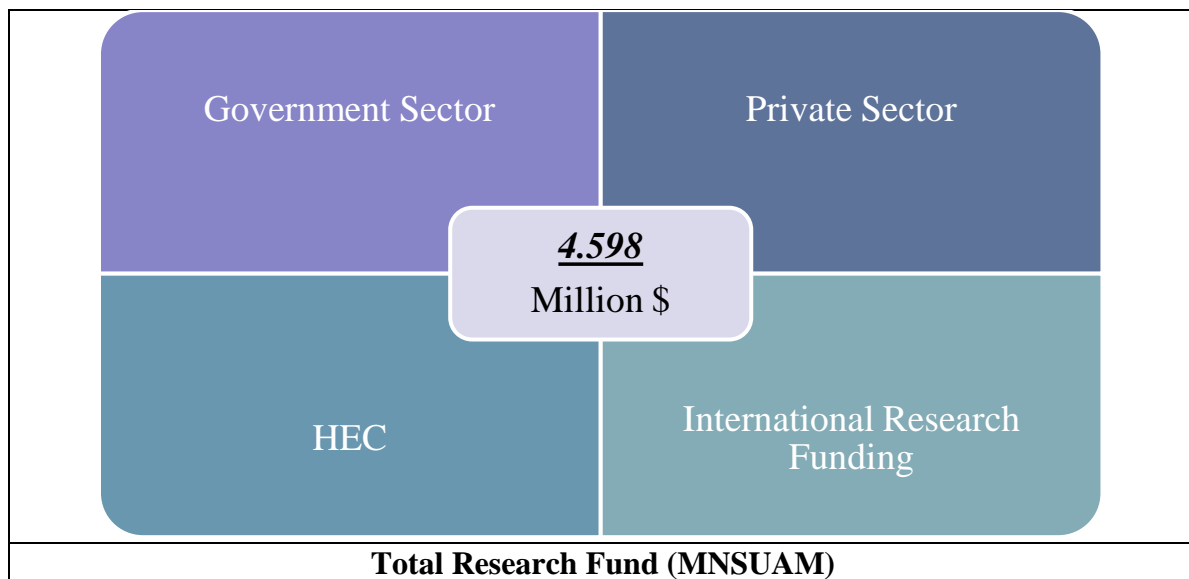
MNS University of Agriculture Multan allocates a significant portion of its budget towards sustainability initiatives, primarily derived from research projects and funding from both government and private sources. The university prioritizes the allocation of these resources to support various sustainable endeavors and projects, reflecting its commitment to environmental and societal well-being.

Research funds of the following years:

Year	Amount in (USD)
Total research fund dedicated to sustainability research in 2023-2024	2,371,718.41
Total research fund dedicated to sustainability research in 2022-2023	3,637,356.52
Total research fund dedicated to sustainability research in 2021-2022	1,384,275
Average	2,464,449.976

Total Research Funds (in US Dollars)

Year	Amount in (USD)
Total research fund dedicated to sustainability research in 2024-2025	1,408,964.56
Total research fund dedicated to sustainability research in 2023-2024	2,371,718.41
Total research fund dedicated to sustainability research in 2022-2023	3,637,356.52
Average	2,472,679.83



Sustainability Related Publications

MNS-University of Agriculture Multan has following scholarly **publications on sustainability** in the following academic years:

Years of Publications	Total Publications
2022-2023 (Research Articles and Book Chapters) 207+ 79	286
2023-24 (Research Articles and Book Chapters) 264+89	353
2024-25 (publications and Book Chapters) 261+80	341

A total average per annum over the last 3 years of **980 Publications**.

Number of Events Related to Sustainability

MNS University of Agriculture Multan actively hosts a variety of sustainability-related events. These gatherings serve as valuable platforms for disseminating knowledge, fostering discussions, and engaging with the community on matters pertaining to sustainability. Through these events, the university promotes awareness and understanding of sustainability issues, contributing to the broader mission of creating a more environmentally conscious and socially responsible society.

Total number of events related to environment and sustainability hosted or organized by the University in the following academic years.

2024-25: 68

2023-24: 78

2022-23: 66

A total average per annum over the last 3 years of 65 sustainability events organized by university (e.g. conferences, workshops, awareness raising, practical training, etc.)



MNSUAM & TDCP Lahore Mango Festival 2025



Training Workshop on Fundamentals of Food Product Development



Inauguration of Botanical Garden



Seminar on Innovation, Commercialization, and IP Protection



Inaugurated a Mobile Soil and Water Testing Laboratory



Seminar on Mental Health: "Breaking the Silence – Ending the Stigma Around Mental Health"



5th International Conference on Bee Pollination and Conservation



Interactive Session for Young Food Technologists



Awareness Seminar on Pm's Initiatives for Youth



Solidarity Seminar with Oppressed Muslims of Gaza and Palestine



Training Workshop on Food Safety Systems & Risk Management



A delegation from the Turkish Cooperation and Coordination Agency (TIKA) visited Muhammad Nawaz Shareef University of Agriculture, Multan, on April 23, 2025, to explore collaboration in research, innovation, and development.



MNSUAM Launches New E-Bus Service to Muzaffargarh



Awareness Seminar on Nationwide Promotion of Zinc-Bio Fortified Wheat



Punjabi Cultural Day Celebrations: A Tribute to Traditions



U.S. Consul General's Visit of MNSUAM
Collaboration in agricultural development, student exchange, research partnerships, and capacity building initiatives between MNSUAM and American institutions.



Carbon Off-Setting Tree Plantation Campaign



World Forest Day Celebrated at MNSUAM with Awareness Activities and Plantation Drive



Seminar on Revolutionary Use of Robotics and Automation In Agro-Based Industries



Training Workshop on pesticide Stewardship for Safe and Responsible Use



Seminar on the Blessings and Spiritual Demands of Ramadan



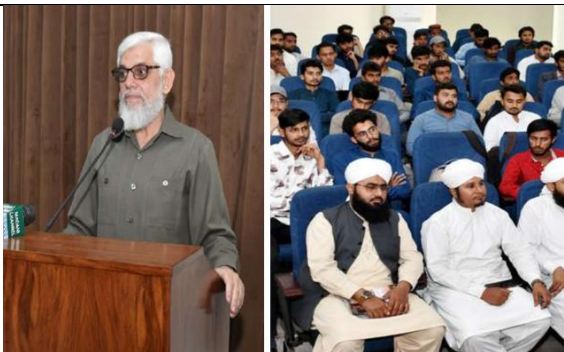
Seminar on Impact of Alien Plant and Insect Species on Pakistan's Agriculture and Trade



**AOC Between MNSUAM and Mahmood Group of Agriculture & Food Pvt Ltd
Multan**



**Farmer Field Day on Effective Use of Saline Water
in Vegetable Cultivation**



**One-Day Seminar on Spiritual Preparation
for Ramadan: Worship, Character, and
Community**



**NAHE's National Outreach Program for Higher
Education Faculty - Phase II**



**Seminar on Youth Resilience and Counter
Extremism**



Ambassador of Argentina visited Mnsuam



Webinar On "Research Smartly With AI Tools: Search To Citation"



Blood Donation Camp-2024



Eddy Covariance Flux Tower inaugurated at Mnsuam Jalalpur Pirwala Campus



ICAC'S Delegation Visited MNSUAM Collaborations in cotton research, innovation, and sustainable agricultural practices.



Mnsuam's Collaboration with Australian Institutions To Enhance Agricultural Water Productivity



Australian Centre For International Agricultural Research Delegation's Visit Of Mnsuam



Fauji Fertilizer Company Delegation's visited MNSUAM



Sports Gala-2024



4th Annual Chrysanthemum Exhibition And Floral Arrangement-2024



Food Value Addition Competition-Venture Spark-2024



TDAP Seminar: Export And Marketing Opportunities For Lucerne And Rhodes Grass



International Day of Persons with Disabilities



Farmer Convention-Enhancing Wheat Productivity-2024



Strengthening Friendship: Indonesian Embassy Official Visits Mnsuam



International Smart Plant Protection Conference-2024



Seminar on Combating Violence Against Women Through Community Police



Scientific Writing Certificate Training-2024 (15th Batch)



Hands-On Training For Production Of Certified Mango Nursery



World Food Day-2024



Holding Center Stage For Strengthening Public Health: Awareness Seminar On Breast Cancer



Study Tour To Mithawan Hill Torrent Command Areas DG Khan Punjab Pakistan by Students of Department of Agronomy, MNSUAM on "Spate Irrigated Agriculture"



Seminar on "The Role of Ornamental Plants in Mitigating Soil Heavy Metal Pollution-2024"



Round Table Conference on “Rhodes Grass Fine Cut Cultivation” at Mns University ff Agriculture Multan



Mehfil Zikr-E-Pyambar-e-Aman-2024



Pepsico Annual Agro-Internship Program Recruitment Drive For Graduates At Mnsuam



Mnsuam And SNGPL Signed Agreement of Cooperation



Awareness Seminar on closing The Gap Breastfeeding Support For All



Aoc Between Mnsuam And Yumnah Overseas Employment Promoters



Independence Day-2024



Mango Dish Making Show-2024



Mango Festival-2024, MNSUAM



Pakistan-Senegal Agricultural Collaboration Strengthens at Emia University Senegal

Details are available on page no. 206 to 209 of the Annual Report (Link Attached)

<https://techprojects.mnsuam.edu.pk/sustainability/wp-content/uploads/2025/10/Annual-Report-2024-25.pdf>

University sustainability program(s) with international collaborations

List of International Academia Collaborators:

- Plant Protection Research Institute Guangdong Academy of Agricultural Sciences, Guangzhou, China
- Institute of Plant Protection and Soil Science Hubei Academy of Agricultural Sciences, Wuhan, China
- Hebei Institute of International Business and Economics, China
- Mevlana Exchange Program Protocol
- Tashkent State Agrarian University, Republic of Uzbekistan
- University of Gambia, Republic of the Gambia
- Cotton Molecular Breeding Laboratory Biotechnology Research Institute, Chinese Academy of Agricultural Sciences, Beijing China
- School of Environmental Science and Engineering, Shandong University, China
- Group of Cotton Genetics Improvement (GCGI), Huazhong Agricultural University (HZAU), Wuhan, China
- Hochschule Geisenheim University, Geisenheim
- University of California Davis, CA, USA
- National Agricultural Technology Institute Cordoba, Argentina
- University of Sri Jayewardenepura, Sri Lanka
- Alanya Alaadin Keykubat University, Turkey, Mevlana Exchange Program
- Shihezi University, Xinjiang, China
- Tonglu County Peoples's Government, China
- School of Vehicle and Mobility, Tsinghua University, Beijing, P.R. China
- Plant Protection Research Institute, Guangdong Academy Agricultural Science, Guangzhou, Guangdong, China
- College of Agriculture and Biotechnology, Zhejiang University, Hangzhou, China
- The National Institute of Agricultural Technology, Argentine Republic
- University of Canberra, Australia
- Okinawa Institute of Science and Technology School Corporation, Japan
- EBERWALDE University for Sustainable Development, Germany
- Collaboration Agreement between Razbio Ltd, UK, & Swansea University, UK & MNS-UAM
- University of Bonn, Germany
- Millat Education Foundation, Inc., USA
- Distinguished Innovation Collaboration and Entrepreneurship (DICE)
- Letter of Intent with FAO
- TSAU Taskent State Agrarian University, Uzbekistan
- Jiangsu University, China
- Tianjin Modern Vocational Technology College, China
- Selcuk University, Konya, Turkiye

- Gebze Teknik Unversity, Kacaeli Turkiye
- Centre for Pesticide Suicide Prevention, Queen's Medical Research Institute, Edinburgh
- Joining the Silk Road Asia Europe Universities (Vocational Education) Alliance
- Agricultural Research Center (ARC) of the Ministry of Agriculture and Land
- Reclamation of the Arab Republic of the Egyp
- Istanbul Gelisim University, Istanbul, Turkiye
- Konya Food and Agriculture University, Konya, Turkiye

List of International Industries Collaborators:

- Wuhan Guoging Seed Co. Ltd., China
- Better Cotton Initiative (BCI), Geneva, Switzerland
- Oaks CAF Private Limited (Oak's), South Korea
- Razbio Limited (Pvt), UK
- Niha Corp, A California Corp-USA
- International Water Saver Environmental Services
- South Asian Conservation Agriculture Network (SACAN)

AOCs/MOCs/MOUs 80 (International)

The image displays a collection of 80 logos for international academic collaborations. The logos are arranged in a grid-like fashion, featuring various symbols, text, and colors. Some logos are circular, while others are rectangular or have unique shapes. The text within the logos includes names of institutions such as 'University of The Gambia', 'Hochschule Gelsenheim University', 'Eberswalde University for Sustainable Development', 'UNIKASSEL VERSITÄT', 'UC DAVIS UNIVERSITY OF CALIFORNIA', 'DICE Foundation', 'MFERD', 'BGI 华大', 'GEBZE TEKNİK UNIVERSİTESİ', 'EMIA', 'UNIVERSITÄT BÖRN', 'ZHANGIR KHAN UNIVERSITY', 'UNIVERSITY OF CANBERRA', 'XMO', 'TECHNISCHE HOCHSCHULE LÜBECK', 'SAKARYA UNIVERSITY OF APPLIED SCIENCES', 'unesco', 'ESG ENERGY & SECURITY GROUP', 'syngenta', 'Biotechnology Research Institute Chinese Academy of Agricultural Sciences', 'HUMBOLDT-UNIVERSITÄT ZU BERLIN', 'HUMBOLDT-UNIVERSITÄT ZU BERLIN', and 'Wheat Genetics and Genomics Center'.

Total International Academia Collaborations

AOCs/MOCs/MOUs 119 (National)



Total National Industry Collaborations

For more about International Collaboration:

<p>University Annual Report 2024- 25</p>	<p>Available on Page no. 58- 59</p>	<p>https://techprojects.mnsuam.edu.pk/sustainability/wp-content/uploads/2025/10/Annual-Report-2024-25.pdf</p>
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Sustainable Startups

Sr. No.	Name of Startup	Idea	Sector/Field
1	Trigon International	Consultancy Services	Consultancy Services
2	GreenMach AgriTech	Agri Tech Solutions	Agri Tech Solutions
3	Biologicals+	Agricultural Solutions	Agricultural Solutions
4	Natural Edible Oil Products	Food Business	Food Business
5	Frontier Growth Consultants	Consultancy Business	Consultancy Business
6	Organic Mosquito Rpellent	Plant Based Pest Control Solutions	Plant Based Pest Control Solutions
7	SustainX Hub	Sustainable Agricultural Solutions Provider	Sustainable Agricultural Solutions Provider
8	MycoGold	Sustainable Agriculture Solutions Provider	Sustainable Agriculture Solutions Provider
9	Dehydrated fruits and veggies, herbs spices, essential oils and seeds, honey	Marketing of Value Added Food Products	Marketing of Value Added Food Products
10	Agro Mech Solutions	Agri-Tech Business Solutions	Agri-Tech Business Solutions
11	AK Traders	Scientific and Industrial Supply Business	Scientific and Industrial Supply Business
12	Carry.Online (carry and save)	Tech Enabled Logistics Platform	Tech Enabled Logistics Platform
13	Smart feed: Automated fish feeding system	Fish Farming Automation	Fish Farming Automation
14	Waste to Wonder	Sustainable Eggshell Value Chain	Sustainable Eggshell Value Chain
15	Green Honey	Food Business	Food Business
16	Trash-2-Treasure	Sustainable Waste Management Business	Sustainable Waste Management Business
17	Khan Super Foods	Food Business	Food Business
18	Agro Bytes	Health and Wellness Consumer Products	Health and Wellness Consumer Products
19	MAGGOT Farming	Agri Business	Agri Business
20	Eco-friendly Pencils	Sustainable Product-Based Business	Sustainable Product-Based Business
21	Seaweed packaging material	Sustainable Packaging Solutions Provide	Sustainable Packaging Solutions Provide
22	AI Based Food Factory	AI-Powered Kitchen Automation Solutions Provider	AI-Powered Kitchen Automation Solutions Provider
23	Electronic smart Nakay for water management	Smart Water Management System	Smart Water Management System
24	Women Barani Besan	Food Business	Food Business
25	NutriPulse Mankera	Food Business	Food Business
26	A.N Agro Services Pvt. Ltd.	Local and International Fruit value added products marketing	Local and International Fruit value added products marketing
27	Fruits and Vegetables Dehydration and export facility	Fruits and Vegetables Dehydration and export facility	Fruits and Vegetables Dehydration and export facility
28	BerryBite Organics	Health & Nutrition Business	Health & Nutrition Business
29	Rhizogreen	Sustainable Bio-Fertilizer Solutions	Sustainable Bio-Fertilizer Solutions

Fore more about startups:

Annual Report 2024-25	Available on Page no. 63 to 64	https://techprojects.mnsuam.edu.pk/sustainability/wp-content/uploads/2025/10/Annual-Report-2024-25.pdf
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Additional Links

University Annual Report 2024-25	https://techprojects.mnsuam.edu.pk/sustainability/wp-content/uploads/2025/10/Annual-Report-2024-25.pdf
University YouTube Channel	https://www.youtube.com/@prpmnsuam