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Old Shujabad Road, Agriculture Complex,
Multan-Pakistan



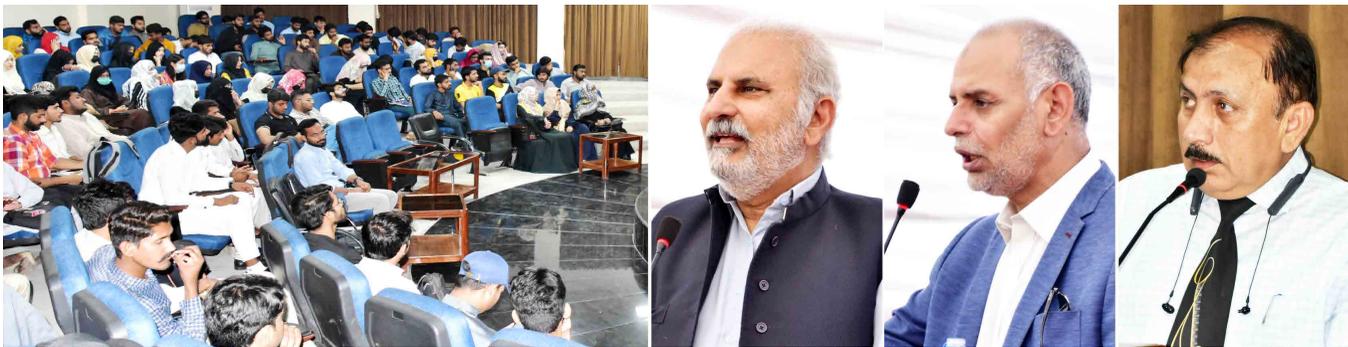
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Inauguration of Wheat Sowing and Agri. Student Engagement in Wheat Campaign

Punjab Agriculture Minister Syed Hussain Jahanian Gardezi inaugurated the sowing of wheat campaign along with Vice Chancellor Professor Dr. Asif Ali (T.I) and Director General Agriculture Extension, Punjab Dr. Anjum Ali Butter on November 1, 2022. Agri. Experts, farmers, academic staff and large number of students attended the event. Speaking on this occasion, Syed Hussain Jahanian Gardzi said that government is taking all possible measures to make agriculture profitable, ensure food security and increase per acre production that will help alleviate poverty at the grassroots level and open new avenues for economic growth. He said the increase in wheat production is the need of the hour which can be increased through hard work, attention, and modern production technology. He appreciated the efforts of the University in wheat cultivation campaign. The Final Year Students of the MNS University of Agriculture, Multan participated in the Wheat Campaign to guide the farming community about modern trends and experts' recom-



mendations of Punjab Government to increase the per acre yield of the wheat crop. The students were sent on a three week visit to different villages for this purpose. Punjab Agriculture Extension Department officials and staff coordinated with the university for logistic arrangements during the campaign. A training workshop was also organized in which students were updated about the modern wheat production technology of Govt. of Punjab. Addressing the students, Vice Chancellor, Prof. Dr. Asif Ali (T.I.), said that the campaign to grow more wheat should be carried out with hard work and courage as it is a service to the country and the nation. The students were motivated to undertake Wheat Campaign and embrace the challenge of food security to contribute to national cause positively.



Meeting of the Academic Council

The 9th meeting of the Academic Council of MNSUAM was held on November 2, 2022, The meeting was chaired by Vice Chancellor, Prof. Dr. Asif Ali (T.I) and was attended by Honorable members, Prof. Dr. Aamir Ijaz, Ex-Vice Chancellor, MNSUET, Multan; Dr. Ahmad Bilal, Deputy Secretary Planning (Nominee of Secretary Agriculture, Govt. of Punjab); Prof. Dr. Allah Bakhsh, Director IGEO, PMAS Arid Agriculture University, Rawalpindi; Prof. Dr. Masood Rabbani, Dean, Faculty of VS, UVAS, Lahore; Prof. Dr. Nazim Hussain, Chairman, Department of Agronomy, BZU Multan; Prof. Dr. Muhammad Naeem, PMAS Arid Agriculture University, Rawalpindi; Ms. Sonia Nasir Khan, Lecturer, Department of Arts & Design, The Women University, Multan; Prof. Dr. Irfan Ahmad Baig, Dean, FSS&H, MNSUAM; Prof. Dr. Shafqat Saeed, Dean, FA&ES; Prof. Dr. Muhammad Asif Raza, Coordinator, FV&AS, MNSUAM; Prof. Dr. Muhammad Hammad Nadeem Tahir, Director IPBB, MNSUAM; Mr. Zulfiqar Ali Tabassum, Controller of Examinations, MNSUAM, Mr. Imran Mahmood, Registrar/ Secretary and other elected members, wherein various agenda items regarding initiation of eight new postgraduate degree programs, two new undergraduate degree programs and two new diplomas along with their schemes of studies were discussed. Furthermore, the house considered the revisions in schemes of studies of three postgraduate degree



programs and updated admission criteria, the establishment of two new research centers, amendments of postgraduate rules, ORIC's Annual Report and other miscellaneous agenda items were discussed and recommended to place before the upcoming syndicate. The meeting ended with a vote of thanks by the Chair.



Long-Term Weather Forecast and Management Interventions for Wheat Crop

A webinar “Long-Term Weather Forecast and Management Interventions for Wheat Crop” was organized by the Department of Agronomy, MNSUAM with the collaboration of the Pakistan Meteorological Department Islamabad on November 8, 2022. MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (T.I) said that long-term weather forecasts and agro-advisory are crucial for better crop management, particularly wheat. Last year, wheat production was reduced by 1.1 Million Tons, possibly due to heatwaves in March and April 2022, and the country is still importing wheat to fulfill the requirements. Lower wheat production is a serious threat to food security and changing climate but particularly the increasing frequency of climate extremes are real threats and challenges to the sustainable production of the agriculture sector. Early planning and management according to weather forecasts is crucial to get a better yield and production. Director, Forecasting Division, Dr. Zaheer Ahmad Babar presented the long-term weather forecast from November, 2022 to January 2023 and mentioned that the multi-climate model ensemble predicts normal to below normal rainfall while the temperature is also expected to remain near normal during this winter till the end of January 2023. Dr. M. Habib-ur-Rahman emphasized the application and use of climate





data from a multi-climate model ensemble approach to develop an accurate and reliable weather forecast for long-term periods. Dr. Abdul Ghaffar, Chairman, Department of Agronomy, MNSUAM, presented the result of modern technologies developed and tested the previous year for better sowing, irrigation and fertilizer management under climate extremes. Dr. M. Arslan, Assistant Professor, Institut of Plant Protection presented the modern approaches to control diseases in wheat crop due to changes in climatic conditions. Prof. Dr. Shafqat Saeed, Dean, FAES urged the need for climatic information for climate-smart insect pest management. Prof. Dr. Muhammad Ashfaq also highlighted the findings of a previous project related to climate change and showed that 51 % of farmers are using weather information services and information provided by PMD. It was concluded that if climatic conditions remained near normal, then the country would meet the target of wheat production, and it would ensure food security and helpful for farmers' livelihood.



Wheat Productivity Enhancement Campaign and Wheat Seed Distribution Drive

MNSUAM organized wheat productivity enhancement campaign and wheat seed distribution drive among flood affected farmers of Basti Mamuri, Dera Ghazi Khan on November 9, 2022. Prof. Dr. Asif Ali (T.I) VC, MNSUAM and Prof. Dr. Kamran VC, Ghazi University graced the event with their presence. Prof. Dr. Asif Ali (T.I) said that farmers are playing key role in food security of

Pakistan. Current floods have devastated the agriculture of Pakistan, particularly in south region. To facilitate the flood-affected farmers, MNSUAM has made a comprehensive plan and free of cost, quality seed of wheat is being distributed among 200 flood-affected farmers. In addition, agricultural inputs for 145 acres of contract farming in flood-affected regions are also being provided by the MNSUAM through Farms in Arms Project (Industry-academia Project). The experts of MNSUAM are providing consultancy to the farmers voluntarily. He further added that we are blessed that we are working for the welfare and rehabilitation of flood affected farmers and we are committed that we will help to increase the per acre yield of the farmers. During the event, vegetable nursery for kitchen gardening was also distributed among the farmers. Prof. Dr. Kamran, VC, Ghazi University, acknowledged the effort and services of MNSUAM and said that Ghazi University would support MNSUAM in this noble cause. Prof. Dr. Shafqat Saeed, Dean, FAES briefed about the Wheat Campaign and said that students of MNSUAM are working as internee in different districts of South Punjab for the national drive of wheat campaign. The staff of Department of Agriculture extension, DG Khan was also present at the event to provide expert advice to the farmers. The event was attended by Mr. Mehr Abid Ali, Director, Agriculture Extension DG Khan, Mr. Qasim Qureshi, Dr. Tanveer Ahmed, Dr. Mohkum Hammad, Dr. Khuram Mubeen, Dr. Umar Ejaz, Dr. Usman Jamshaid and large number of scouts and volunteer students.



Wheat Productivity Enhancement Campaign and Wheat Seed Distribution Drive



Wheat Productivity Enhancement Campaign and Wheat Seed Distribution Drive



World Diabetes Day

The Public Health Society, MNSUAM organized a seminar and food competition on World Diabetes Day, November 14, 2022. The purpose of the seminar was to create awareness about diabetes and diabetes management among the participants. Through this public awareness event, MNSUAM aims to contribute towards the global objective of highlighting the importance of regular exercise, weight loss and healthy eating habits, not only for controlling diabetes but also its prevention. This event was primarily targeted at those individuals, including children and young adults, who are at high risk of developing this disorder later in life. The Vice Chancellor Prof. Dr. Asif Ali (T.I), highly appreciated the efforts made by the public health society, especially by the convener of society, Dr. Umair Waqas for improving the health and lifestyle of the people. He also told the participants that the key to good health is a good diet and an active lifestyle. The chief guests of the seminar Prof. Dr. Ijaz Ahmad Masood and Dr. Asim, also shared their valuable insight

regarding diabetes. The guest speakers highlighted the importance of early detection, lifestyle and behavioral modification for the management of diabetes.



Farmers Training Workshop to Maximize Wheat Productivity

A Farmers Training Workshop was organized at Jalalpur Pirwala Farm of MNSUAM on November 14, 2022. The purpose of holding this event was to educate the farmers about modern wheat production technology and to encourage them to grow more wheat. The workshop showcased the significance of climate smart stewardship for wheat production and assessed the associated challenges and their pragmatic solutions. The event was presided over by the MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (T.I) and covered informative presentations/lectures by subject experts followed by interactive discussion, Q&A session, and field demonstrations focusing on production scenarios, improved wheat germplasm, wheat pathology, physiology, and quality. Speakers urged that there is an urgent need to increase the production of wheat by three maunds per acre to meet the national demand. To achieve this goal, MNSUAM and Punjab Government are running the wheat campaign in full swing. MNSUAM, in collaboration with different govern-



ment and private organizations, is organizing events to promote the agriculture sector in the south Punjab. The experts observed that timely sowing, mechanization, good land preparation, use of quality seeds and other inputs, integrated nutrient management and weed control are important to enhance per acre production of wheat. Prof. Dr. Asif Ali while addressing the event said that we have to work together to make crop production successful by adopting modern techniques and embracing innovations. Wheat production needs to be increased to cope with climate change. The government is subsidizing fertilizers and seeds to promote wheat cultivation. Farmers should take advantage of this and cultivate more wheat. He lauded the Agriculture Department and the students of MNSUAM for actively participating in the wheat campaign.



Recruitment Drive for JK Sugar Mills for Agronomists

Recruitment drive was conducted on November 14, 2022 by JK Mills in the second phase of Agricultural Graduate Training Program organized by Career Development Center at MNSUAM. Mr. Kashif Badar (HR Manager) and Mr. Mohammad Imran from JK Sugar Mills spoke about the Agri Graduate Training Program and its importance to the audience. Assistant Professor, Dr Muhammad Ishtiaq (Focal Person Career Development and Placement Center) said that Tareen Farm is like an academy for introducing modern agriculture in Pakistan and training of students through internships. He told the students that he knew many agricultural graduates who had received training from Tareen Farm and are able to find very good jobs and earning. He thanked the guests for visiting our university and providing opportunity to our graduates.

New Approaches in Fruit Breeding

An international webinar entitled "New Approaches in Fruit Breeding" was organized by Department of Horticulture, MNSUAM on November 16, 2022. The webinar focused on breeding of grapes and guava. Prof. Dr. Asif Ali (T.I), VC MNSUAM welcomed the invited speakers and highlighted the importance of fruit breeding in Pakistan. He added that significant work is needed in Pakistan regarding improving fruits through breeding; MNSUAM is striving to fulfill this deficiency. He further told the audience that grapes production started in South Punjab years ago but is now on the verge of declining because of the lack of research in this sector. Dr. Arif Atak from Türkiye explained the latest trends in grapevine breeding and discussed the breeding of grapevine breeding in Türkiye especially under the changing climatic scenario. He explained that with the changing climate and increased population, the demand for grapes is increasing worldwide. Dr. Muhammad Usman from University of Agriculture, Faisalabad informed the house regarding the breeding of guava in Pakistan. He said that guava is a highly nutritious fruit but climate change is adversely affecting its production potential. Dr. Muhammad Abu Bakar from MNSUAM discussed the latest fruit breeding techniques that can result in speed breeding shortening the time span required for



the development of new variety. At the end of the webinar, Dr. Tanveer Ahmad, Chairman, Department of Horticulture thanked all the speakers and participants for actively participating in the webinar. He hoped that this activity will result in joint research projects with clear objectives in the near future. The experts from Türkiye, China, India and Afghanistan attended this webinar.



NAEAC, HEC Visited MNSUAM

A National Agriculture Education Accreditation Council (NAEAC) from the Higher Education Commission (HEC) visited the MNSUAM on November 17-18, 2022 for the accreditation of five different programmes that includes Plant Pathology, Biotechnology, Human Nutrition and Dietetics (HND), Fisheries and Aquaculture, and Poultry Sciences. The team interacted with faculty and students to see if they were experiencing any challenge in the department or University. The



session of accreditation visit was concluded on the second day in the meeting room of VC Chamber under the Chair of Vice Chancellor Prof. Dr. Asif Ali (T.I). The Chairman NAEAC Prof. Dr. Ishtiaq Ahmed Rajwana and other NAEAC team members attended the meeting along with Prof. Dr. Shafqat Saeed, Dean Faculty of Agriculture and Environmental Sciences, Departmental Chairpersons and Prof. Dr. M. Hammad Nadeem Tahir, Director QEC. The nominated members of the committee expressed their views after visiting the respective departments and presented their findings and suggestions. They highly praised the departments' performance and suggested some recommendations in few areas of improvement, particularly about the kitchen in the Girls Hostel and practical training of Poultry Sciences students. They also expressed their satisfaction and appreciated the Postgraduate and Undergraduate Technology based Lab Systems. They also appreciated high satisfaction, motivation and ownership among the faculty and students. Vice Chancellor also appreciated and thanked all team members of NAEAC for visiting the University, evaluating academics, faculty, students, research, classrooms, laboratories, fields, and infrastructure and providing positive suggestions for the improvement of programs and the University.





NAEAC, HEC Visited MNSUAM



Seminar on Solar Energy

A seminar on the Utilization of Solar Energy in Agriculture and Hands-on training on the Operation and Maintenance of Solar dryers were organized by the Green Youth Movement Society (GYM) and the Department of Agricultural Engineering on November 18, 2022. Dr. Tanveer Ahmad, Dr. Muqarab Ali, Dr. Shakeel Ahmad, Dr. Shazia Hanif, Engr. Dr. Sarfraz Hashim, Engr. Dr. Mohsin Khan and a large number of students participated in the event. The event created awareness among students regarding the use of solar thermal energy in agriculture and the hands-on practice of using solar desiccant dryers. Engr. Farrukh Ehsan briefed the participants about the applications of solar energy in agriculture worldwide. He elaborated the methods for effective utilization of solar energy. Engr. Shazia Hanif gave an overview of the newly developed Indigenous Solar Desiccant Drying System. She briefed students on the necessity and role of solar drying in the modern world. She emphasized the need for food security and how the modern world in which food scarcity is increasing can be compensated by using modern drying technologies like solar dryers as they are a cheap and practical resource. Mr. Mukhtar Hussain Mujahid, Ms. Yashfeen, and Ms. Areesha delivered hands-on training on the operations and maintenance of the



Solar Dryer. Ms. Areesha and Ms. Yashfeen instructed the students on preparing fruit for drying. Meanwhile, Mr. Mukhtar explained the functions and maintenance factors of the Solar Dryer and how the data analysis can be done. Engr. Sarfraz Hashim concluded the event with his kind remarks. He appreciated the effort and determination of the team behind the event. He encouraged the students to be change-makers by providing high-value contributions through their work in the community.



Syndicate Meeting

The 35th Meeting of the Syndicate was held on November 19, 2022. The meeting was chaired by the MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (TI) and was attended by Honorable Justice Lahore High Court Sardar Muhammad Sarfraz Dogar; Prof. Dr. Khalid Mahmood; Prof. Dr. Uzam Qureshi; Prof. Dr. Mansoor Akbar Kundi as HEC Nominee; Dr. Muhammad Bilal, Nominee of the Secretary Agriculture, Govt. of the Punjab; Mian Tariq Abdullah, Member of Provincial Assembly; Mr. Shah Sawar, Divisional Director, Local Fund Audit, Multan, Nominee of the Secretary Finance, Govt. of the Punjab; Prof. Dr. Irfan Ahmad Baig, Dean, Faculty of Social Sciences & Humanities;





Prof. Dr. Shafqat Saeed, Coordinator, Faculty of Agriculture & Environmental Sciences; Prof. Dr. Muhammad Asif Raza, Coordinator, Faculty of Veterinary and Animal Sciences, Mr. Muhammad Rafiq Farooqi, Treasurer; Mr. Imran Mahmood, Registrar MNSUAM and other elected members. The Chair briefed the house about academic and development activities at the University and highlighted key achievements which are also reflected in the Annual Report 2021-22. The house approved the draft of the Annual Report 2021-22. The Syndicate granted approval regarding various administrative affairs of the varsity. The House approved the signing of the Memorandum of Cooperation (MOC)/ Agreement of Cooperation (AOC) with national and international organizations. The House also approved the recommendations of the Academic Council for the initiation of new degree programs, and appointments against various posts on the recommendations of the Selection Board.



Sports Gala kicked Off at MNSUAM

A five-day sports gala has kicked off at MNSUAM on November 30, 2022. The sports gala was inaugurated by Bahauddin Zakariya University Vice Chancellor, Prof. Dr. Mansoor Akbar Kundi and MNSUAM Vice Chancellor, Prof. Dr. Asif Ali (T.I). After cutting the gala cake, the guests visited the teams for an introduction. On the first day of the sports gala, a slow cycling race among girls, a three-legged race, and a kabaddi match among boys were organized. The Green team of MNSUAM won the Kabaddi match. Ms. Subia Bibi and Ms. Farah won the three-legged race. Ms. Zahra Batul won the slow cycling race. Prof. Dr. Mansoor Akbar Kundi praised the sport's efforts of the students. He stressed that they should always be ready to face the challenges of the 21st century. Further, he congratulated Prof. Dr. Asif Ali for providing a platform for the students of Multan and surrounding areas by organizing sports galas regularly. On this occasion, Vice Chancellor Professor Dr. Asif Ali said that sportsman spirit instills the spirit of defeat, victory and team-



work in players. Along with this, sports also improve the physical and mental agility. He further said that sports are also important to build any nation's character and protect youth from harmful activities. They are effective in promoting a healthy society. Along with the education of students, such activities are very important for the youth of this country. The Additional Secretary Agriculture Task Force, South Punjab, Mr. Imtiaz Ahmed Waraich said that today I am very happy to see young people, especially girls playing sports at MNSUAM. It is extremely gratifying to see the representation of girls in the sports gala because girls need to advance in the field of sports as well as education. Girls are ahead of boys in the field of education, and now they need to excel in sports as well. At this occasion, Dean, FAES, Prof. Dr. Shafqat Saeed, Director, BIC, Prof. Dr. Mubasher Mehdi, Director, QEC, Prof. Dr. Hamad Nadeem Tahir, Registrar, Mr. Imran Mehmood, Treasurer, Muhammad Rafiq Farooqi, Director Sports, Mr. Arqam Iqbal, Senior Tutor, Dr. Usman Jamshaid, Director Student Affairs, Dr. Mirza Abid, Dr. Fawad Zafar Ahmad Khan, and other faculty and staff members were also present.



Sports Gala kicked Off at MNSUAM



Extending Collaboration with Rafhan Maize

A delegation of MNSUAM visited Rafhan Maize Products Company Ltd. Faisalabad along with Vice Chancellor Professor Dr. Asif Ali (T.I) on November 27, 2022. The main purpose of the delegation's visit was to develop mutual relations between the MNS University of Agriculture, Multan and Rafhan Maize. While talking about Rafhan Maize, Mr. Khalid Aziz informed that three plants of Rafhan Maize are working in Pakistan. Rafhan Maize is the largest Corn refiner in the country and has positioned itself as the supplier of first choice for many consuming industries in Pakistan. He also informed about the problems faced in the cultivation of Maize. Mr. Shafiq talked about the problems of aflatoxins. He provided information about the Aflapak product that Rafhan Maize is working on. Mr. Safdar addressed the delegation about the products manufactured by Rafhan Maize. Prof. Dr. Asif Ali said that research activities are being promoted in the university as per the need of the agro-based industry. He added that MNSUAM will collaborate with Rafhan Maize on various aspects like maize cultivation, SmarTrap, to control Fall Armyworm, dryers for drying maize kernels and use of starch in food technology. On this occasion, Dr. Abid Hussain, Dr. Shazia Hanif, Dr. Shabir Ahmed, Dr. Fawad Zafar Khan, Mr. Babar Farid and other people from Rafhan Maize were also present.



Extending Collaboration with Rafhan Maize



Visit of Mr. Arshad Jamil from USA

Engr. Arshad Jamil, a professional engineer from New Jersey, USA, visited MNSUAM for a nine-day visit on October 24, 2022. Mr. Arshad Jamil has a good history of working toward the benefit of the farming community in Pakistan. He has developed innovative and cheap products for on-farm operations. Further, he is working on triple-story honey hives, low-cost solar dehydrators, and water filters. He has also developed Agriculture Volunteers at MNS University of Agriculture Multan. This student society helps the farmers in the on-farm operations. Also, the members of society are actively engaged in the development of innovative products.

During his visit, he recruited a new batch of Agriculture Volunteers. Speaking to the volunteers, he emphasized the need for community service in Pakistan. He said that the volunteers have a huge responsibility to change the lives of small farmers. He also hosted a seminar for the farmers and encouraged them to develop a cooperative. He also encouraged farmers to adopt the triple-story hive in their farms. He also met with the young entrepreneurs of MNS University of Agriculture Multan. He also judged the virtual business plans under the business plan competition.

Visit of Mr. Arshad Jamil from USA



Visit of Mr. Arshad Jamil from USA



Visit of Mr. Arshad Jamil from USA



Scientific Writing Certificate – Batch 1

The Directorate of Graduate Studies has kicked off the hands-on training on scientific writing for postgraduate students. The training will be offered every month. This course is about learning effective ways for thesis write-up and publishing scientific research. The course is being offered to improve scientific writing skills and promote academic integrity and research ethics among postgraduate students of the varsity. Over seven days, participants will be informed about the common mistakes a student/researcher unintentionally makes during thesis and manuscript writing and effective ways to overcome/avoid these.

The course is being offered on a Module basis to improve the scientific writing skills of the post-graduate students. The first batch started on October 17, 2022 and ended on October 25, 2022. A total of 22 students attended the first training batch. The Vice Chancellor, Prof. Dr. Asif Ali (T.I) gave an inaugural lecture on dissertation writing. Addressing the students, the Vice Chancellor emphasized the need for time management during research and scientific writing. After the address, Dr. Amar Matloob and Dr. Zulqarnain Khan trained students regarding the principles of scientific writing. On the second day, Prof. Dr. Muhammad Hammad Nadeem Tahir and Dr. Aziz Ul Rahman gave hands-on training on the Ethics of Scientific Writing. On the third day, Dr. Shoab ur Rehman, Dr. Abu Bakar, and Dr. Sami Ullah trained students in data analyses & presentations. On the fourth day, Dr. Fahim Nawaz and Dr. Ahmad Mahmood gave training on discussion, introduction, abstract & title making. On the fifth day, students were trained to write review articles,



and Dr. Farrukh Baig and Dr. Abid Hussain led the session. On the sixth day, Dr. Fawad Zafar A. Khan and Dr. Shazia Hanif trained the participants in writing effective materials and methods. On the final day, Prof. Dr. Nasir Nadeem, Prof. Dr. Asif Raza, and Prof. Dr. Junaid A. Khan trained the students to prepare effective research projects. Dr. Christoph Raab from TRANSECT & Eberswalde University of Sustainable Development, Germany, and Mr. Arshad Jamil from the USA also joined the final session and trained the students. After the training, the feedback and evaluation of students were done. The Vice Chancellor congratulated students on attending the intensive seven-day training.



Scientific Writing Certificate – Batch 1



Webinar on Digitalization in Industry and Society

An international webinar on "Digitalization in Industry and Society: An Applied Research Perspective" was organized by the Department of Computer Sciences on November 7, 2022. Dr. Arianit Kurti, who works as an Associate Professor in Department of Computer Science and Media Technology addressed the participants. He is also the Head of the Department of Informatics at Linnaeus University, Sweden. MNSUAM Vice Chancellor, Prof Dr. Asif Ali (T.I) expressed his views and emphasized on the industrial linkages and urged that MNSUAM and Linnaeus University to initiate joint research projects. Dean, Faculty of Social Science and Humanities highlighted the importance of connecting with industry. He introduced the ongoing research projects at the MNSUAM and proposed collaborations with Linnaeus University. Chairman Department of Computer Science offered the vote of thanks. Distinguished faculty members and research students participated in the seminar and gained awareness.



One year of Basketball (December 2021-November 2022)

MNS University of Agriculture, Multan, has completed one year of basketball at the campus. The newly built basketball court was inaugurated on December 22, 2021, by Vice chancellor, Prof. Dr Asif Ali (T.I.). The basketball court has provided the students of MNSUAM and the citizens of Multan a site to play basketball and forgot their worries of life. Weekly Basketball Fungama was started since May 2022 where every Thursday is celebrated with a match of local teams from Multan. Every match is graced by an honorable faculty member or a renowned member of the community. The teams who played their matches include Hostel Warriors, MNSUAM Art and



Dramatic Society, Rover Scouts, Multan Basketball Alliance, Mumtazabad Church team, Beacon-house School officers' colony, Federal Garrison School Cantt, Baloch Regiment, Regiment 37 and many teams of adjacent colonies. Coaches who contributed for the uplift of this game in MNSUAM included Dr. Adnan Alvi, Mr. Hafiz Asim WAPDA, Mr. Nadeem Bhutta, Mr. Moeen, Mr. Shumail, Mr. Irfan (FG School), and Mr. Qaiser Javaid (MNSUAM).



The personalities who graced with their valuable presence as Chief Guests included Prof. Dr. Asif Ali (T.I.) Vice Chancellor, Mr. Imtiaz Hussain Warraich (Additional Secretary Task, South Punjab), Prof. Dr. Irfan Ahmad Baig (Dean, FSS&H), Prof. Dr. Shafqat Saeed (Dean, FA&ES), Mr. Rafiq Farooqi (Treasurer), Mr. Zulfiqar Ali (Controller of Examinations), Prof. Dr. Nasir Nadeem (DGS), Prof. Dr. Asif Raza (Coordinator, FV&AS), CEO Master Foods, Dr. Usman Jamshaid (Senior Tutor) and Mr. Arshad Jamil (USA), Dr. Irfan Akram and Dr. Waseem from Islamia University Bahawalpur, and Dr. Ahmad Kamran from Ghazi University, DGK. Hostel Administration is committed to bringing the spark of basketball to the next level to win a title in the intervarsity events. Furthermore, the courts would soon host an intervarsity event in February 2023. Additionally, a separate inter-club basketball event is planned for the first quarter of the year 2023.

One year of Basketball (December 2021-November 2022)



One year of Basketball (December 2021-November 2022)



Agreement of Cooperation Signing Ceremony between MNSUAM and FertiScience

Agreement of Cooperation (AoC) was signed between MNSUAM and FertiScience (Pvt.) Ltd., Pakistan on November 25, 2022. MNSUAM is very keen to establish liaisons with public and private organizations with potential capacity building and a strong research and development background. Likewise, FertiScience is a non-governmental agriculture company with core competencies in the fields of plant protection, plant nutrition and farm services. Their products and services are designed to add value in agriculture for maximum economic returns. As per the agree-

ment, both parties agreed to join hands in the mutual interest of both organizations. Fertiscience will provide necessary measures and technical support regularly for the plant nutrition. Furthermore, both parties agreed that joint research and development projects, outreach activities in the form of seminars, workshops, exchange of information, teaching materials, and other services would be planned and executed to strengthen bilateral collaboration. Dr. Muhammad Nadir Naqqash from MNSUAM and Mr. Naveed-uz-Zaman from FertiScience, Pakistan were nominated as focal persons for the said AoC.



Agreement of Cooperation between MNSUAM and Potato Research Institute, Sahiwal

MNSUAM is serving as a hub by providing strong linkages among academia, researchers, industry, extension services, and farming community to address tremendous potential of precision farming for economic and environmental benefits. The Horticulture Department aims to produce trained professionals to ensure food security and safety. The faculty members are practically involved in improving crop production, supply, and value chains with different stakeholders of horticulture industry. Additionally, the Department is working with sister organizations in public and private sectors to polish and train students for practical solutions in horticulture, including potato crop. Similarly, Potato Research Institute (PRI), Sahiwal is a prime potato R&D institute in Punjab for evaluating local and exotic germplasm for the selection of desirable varieties under the umbrella of Ayub Agriculture Research Institute, Faisalabad. The PRI is working on strengthening research activities for increasing Potato productivity, developing pre- and basic seed of potato, development of high yielding and short duration varieties tolerant/more resistant to frost, fungal, bacterial and viral diseases. An AoC signing ceremony was held on November 18, 2022. Both parties MNSUAM and PRI agreed to work collaboratively on newly developed potato germplasm. This



AoC is based on the wishes of both parties to share the strength of each institution with the other for the good cause of promoting scientific knowledge to the community. Dr. Hafiz Nazar Faried, Assistant Professor, Department of Horticulture, MNSUAM and Rana Aftab Iqbal, Senior Scientist, Potato Research Institute, Sahiwal will be the focal persons for the implementation of above-mentioned scientific activities.

Activities of Student Clubs and Societies Literary Festival Multan Art Council

The Multan Literary Festival was a celebration of literature and art that took place on November 19-20, 2022 at the Multan Art Council. The MNS University of Agriculture participated as an organizer with the Character-Building Society taking up stage management duties.

Anti-Corruption Essay Writing Competition

The NAB Anti-Corruption week was observed at MNSUAM from November 21-25, 2022. Character Building Society and MNSUAM Literary Club jointly organized an Essay Writing Competition in the Urdu Category. Mr. Ali Hassain got 1st position, while Ms. Hafza Ramzan stood 2nd and Mr. Muhammad Hassan bagged 3rd position.



Anti-Corruption Essay Writing Competition



Anti-Corruption Essay Writing Competition



Anti-Corruption Painting Competition

Character Building Society and MNSUAM Arts and Dramatics Club, jointly organized a painting competition on November 23, 2022. The theme for this competition was anti-corruption, and Ms. Saira Fatma won the title "Fight Against Corruption". Ms. Kulsoom stood second, while Mr. Ammer Qandeel came third.



Anti-Corruption Debate Competition

Character Building Society and MNSUAM Debating Club jointly organized a Debate Competition on November 24, 2022. Mr. Ahmed Rehman won the first position in the English Declamation, while Menahil Nadeem Gil came second, and Saira Fatima stood third. In Urdu Speech Sana Ramzan won while Bhaktawar Esha took second place and Ubaid ul Rehman stood third.





Anti-Corruption Award Ceremony

The Anti-Corruption Award Ceremony was held on November 24, 2022 in the seminar Hall, Academic Block, MNSUAM. Essays on the subject were evaluated by Dr. Unsar Naeem Ullah, Paintings by Ms. Shafa Nayab, while English Debate Competitions were judged by Dr. Rana Naeem Toor and Urdu Debate by Dr. Umar Ikram Rao. The event was hosted by CBS General Secretary Ms. Saira Fatima, who managed an impressive show. Senior Tutor Dr. Usman Jamshad distributed awards flanked by Dr. Nazar Faried and all respected judges.





Faculty Achievements

Heartiest
Congratulations
to our Proud Research Scholar/ Lecturer

Mr. Babar Fareed
for Publishing his research work
**"A multi-omics integrative
network map of maize"**
in **nature Genetics**
Impact Factor 41.37



Situation Vacant

Research associate position in PARB Funded Project

Applications are invited for one position of research associate for the execution of the project entitled "Production of high-yielding and the heat-tolerant hybrid seed of chili" at the Institute of Plant Breeding and Biotechnology (IPBB), MNS University of Agriculture, Multan on a contract basis for one year likely to be extendable. Details are given below:

Name of post	No. of posts	Qualifications	Experience	Pay Package	Period
Research Associate	(01)	BSc (Hons)/MSc (Hons)/M. Phil	Relevant experience is required	Rs. 40,000/- per month plus 7% annual increment	One year (extendable)

The eligibility criteria and TORs are given below.

Eligibility Criteria	TORs
i. Have degree of either BSc (Hons)/MSc (Hons)/M.Phil PBG.	1. Responsible for lab and field and greenhouse experiments.
ii. Aware of field management and crop breeding techniques.	2. Ensure lab SOPs.
iii. Students will be hired per university policy.	3. Maintenance of logbook and record of the experiments.
	4. Preparing reports of the results.
	5. Should not hold any other scholarship/studentship in project.

Interested candidates are requested to submit their applications on plain paper addressed to **Dr. Muhammad Abu Bakar Saddique** (PM), Assistant Professor, Institute of Plant Breeding and Biotechnology (IPBB), MNS University of Agriculture Multan along with CV, passport size photographs, and educational documents in person or through registered post.

The university has the right to cancel the appointment without any reason. The MNSUAM is an equal-opportunity employer for all that is committed to diversity.

Applications should reach the office of the undersigned within seven (07) days after the advertisement.

Dr. M. Abu Bakar Saddique
PM/Assistant Professor



Situation Vacant

Applications are invited for the following posts under HEC-TTSF funded project entitled “Smart Traps for Detection and Monitoring of Insect Pests (aka SmarTrapS)” at the Department of Computer Science, MNS-University of Agriculture, Multan on a contract basis initially for six months likely to be extendable. The details and eligibility criteria are given below:

Name of Post	No. of Post	Qualifications	Experience	Pay Package	Period
Research Assistant	(02)	BS (Hons.)/ MS/ MPhil in Computer Science, IT, Data Science	Relevant experience is required	Rs. 50,000/ Month (each)	Initially for (06) months and extendable subject to satisfactory performance

The eligibility criteria and TORs are given below:

Eligibility Criteria	TORs
<p>1. Post of Research Assistant (AI & IoT Application Developer)</p> <p>i. Expert in machine learning, computer vision & image processing ii. Experience in dataset collection and annotation suitable for training AI models iii. Sound understanding of data analysis and Visualization Techniques iv. Experience working with IoT-based sensors</p>	<p>i. Responsible for dataset collection & annotation ii. Development of suitable machine learning model for insect identification iii. Data analysis & Visualization using computer vision techniques. iv. IoT sensors configuration v. Maintenance of logbook and record of experiments. vi. Prepare and maintain reports of projects. vii. Administer students and labour as and when required</p>
<p>2. Post of Research Assistant (System & Database Administrator)</p> <p>i. Expert in server & network configuration ii. Experience in mobile application development iii. Experience in developing and managing real-time databases iv. Sound understanding of socket server and IoT sensors</p>	<p>i. Responsible for setting & maintaining server for traps ii. Managing real-time databases iii. Development of AI-based mobile application iv. Maintenance of logbook and record of experiments. v. Prepare and maintain reports of projects. vi. Administer students and labour as and when required</p>

Interested candidates are required to submit their applications on plain paper, to the undersigned, along with copies of CVs, educational documents, two recent photographs, CNIC, and other relevant documents in person or through registered post.

The university reserves the right to cancel the appointment, change the number of posts, or period of contract without any reason. MNSUAM is committed to diversity and is an equal-opportunity employer.

NO TA/DA will be admissible for interview of the short-listed candidates.

Applications should reach the office of undersigned within seven (07) days after the advertisement.

Dr. Ayesha Hakim

PI/Assistant Professor

Dept. of Computer Science

Office 272, Academic Bock

MNS-University of Agriculture, Old Shujabad Road, Multan



Situation Vacant (Internal)

Applications are invited from students of Department of Computer Science & Department of Entomology, MNS-University of Agriculture, Multan for the following posts under HEC-TTSF funded project entitled "Smart Traps for Detection and Monitoring of Flying Insect Pests (aka SmarTrapS)". The details and eligibility criteria are given below:

Sr. No.	Name of Post	No. of Posts	Qualification	Pay Package	Period
1.	Postgraduate fellow	(02)	Enrolled in MS(CS)	Rs. 40,000/- (per month)	Extendable subject to satisfactory performance
2.	Postgraduate fellow	(01)	Enrolled in MSc Entomology	Rs. 40,000/- (per month)	Extendable subject to satisfactory performance
3.	Undergraduate fellow	(01)	Enrolled in BS (CS/IT/DS)	Rs. 20,000/- (per month)	Extendable subject to satisfactory performance

The eligibility criteria and TORs are given below:

Eligibility Criteria		TORs
1.	Enrolled in MS(CS) i. 1 st semester students (only) ii. Understanding of image processing & machine learning techniques iii. Experience in web development iv. Familiarity with IoT sensors v. Experience in mobile application development vi. Should not hold any other job	i. Insect data collection from labs and field ii. Development of object detection models iii. Perform data analysis and visualization iv. Web design for GUI v. Mobile application development
2.	Enrolled in MSc Entomology i. Understanding of insect physiology, behavior & rearing techniques ii. Experience working in lab & field iii. Good communication skills iv. Should not hold any other job	i. Demonstrate insect identification parameters ii. Responsible for insect rearing in lab iii. Examination of insect behavior iv. Maintain a record of all observations v. Assist in data collection
3.	Enrolled in BS(CS/IT/DS) i. 5 th and 7 th semester students (only) ii. Graphic designing skills (mandatory) iii. Digital photography skills (desired) iv. Good communication skills (desired) v. Should not hold any other job	i. Installation of traps at various locations. ii. Ensure safety and security of equipment. iii. High quality logo, panaflex, banners design iv. Assist in outreach activities (organizing workshops, seminars, conference)
All students are responsible to:		
i. assist project teams in lab and field work. ii. agree to travel and stay outstation for field work. iii. ensure lab and field SOPs. iv. maintain attendance, logbook, and record of experiments. v. prepare and maintain reports and relevant documentation. vi. assist and administer labour as and when required vii. ensure their availability as and when required		

Interested candidates are required to submit their applications on plain paper, to the undersigned, along with copies of CVs, educational documents, two recent photographs, CNIC, and other relevant documents in person or through registered post.

The university reserves the right to cancel the appointment, change the number of posts, or period of contract without any reason.

MNSUAM is an equal-opportunity employer for all that is committed to diversity.

NO TA/DA will be admissible for interview of the short-listed candidates.