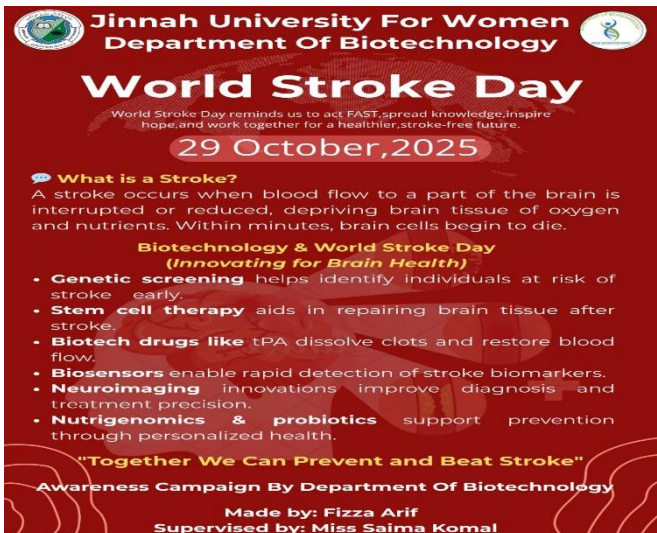


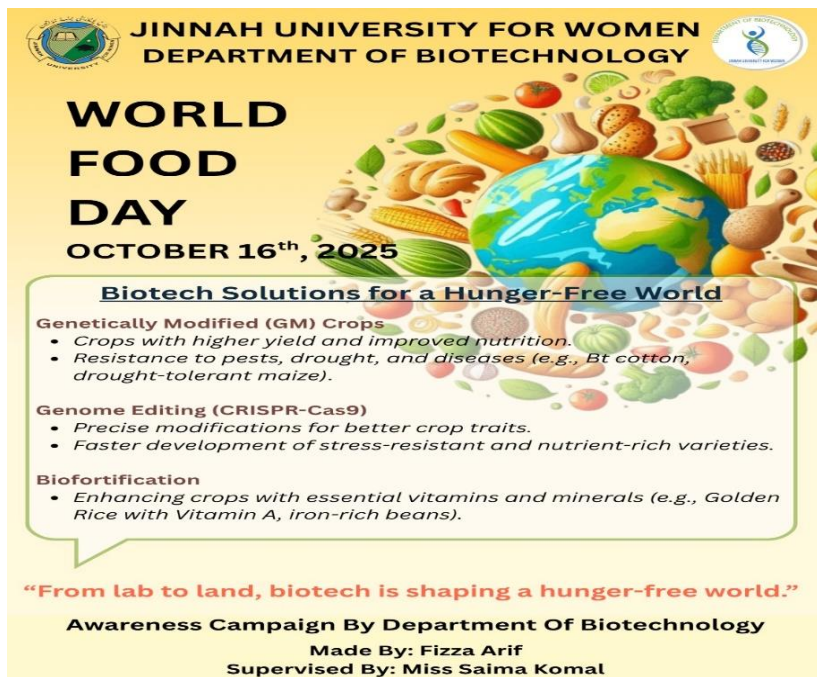
COMMUNITY SERVICE DATA (2022-2025)

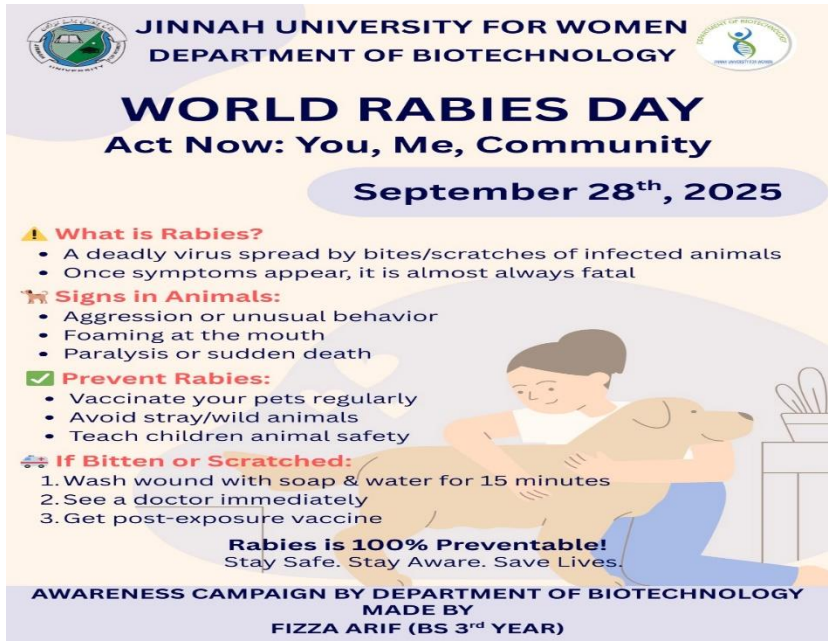
Department of Biotechnology

JINNAH UNIVERSITY FOR WOMEN

World Stroke Day Awareness Campaign (Brochure)	
Date	October 29th, 2025
Brief description of activity	The Department of Biotechnology at Jinnah University for Women organized an awareness campaign in the form of brochure dissemination on World Stroke Day to educate people about stroke prevention, causes, and treatment. The campaign emphasized the importance of early detection and the significant role of biotechnology in advancing brain health.
Number of students	2
Class/Batch of students	BS Biotechnology, 3rd Year
Place where activity was conducted	On social media platforms
Duration of activity (days, week, regular)	--
Impact of activity	The campaign enhanced understanding of stroke and its biotechnological interventions among students. It increased awareness of the role of modern diagnostic and therapeutic technologies in preventing and managing stroke, motivating students to advocate for early intervention and lifestyle awareness.
Attach Pictures	

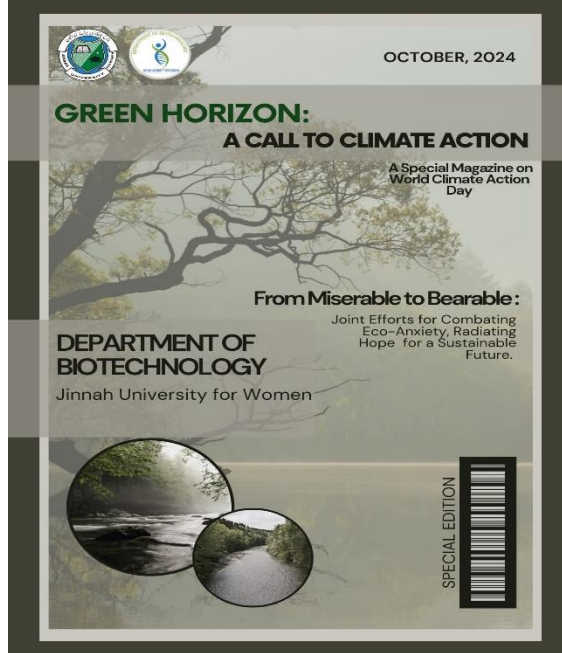
World Osteoporosis Day Awareness Campaign (Brochure)	
Date	October 20th, 2025
Brief description of activity	The Department of Biotechnology at Jinnah University for Women organized an awareness campaign in the form of brochure dissemination on World Osteoporosis Day to educate students about bone health and the role of biotechnology in the prevention and treatment of osteoporosis. The campaign discussed how molecular diagnostic tools, tissue engineering, and gene therapy contribute to early detection, bone regeneration, and the development of innovative treatments. It aimed to spread awareness about maintaining strong bones and preventing osteoporosis through lifestyle and scientific advancements
Number of students	2
Class/Batch of students	BS Biotechnology, 3rd Year
Place where activity was conducted	On social media platforms
Duration of activity (days, week, regular)	
Impact of activity	The campaign increased awareness among students regarding osteoporosis, its causes, and the importance of early diagnosis.
Attach Pictures	Jinnah University For Women Department Of Biotechnology WORLD OSTEOPOROSIS DAY OCTOBER 20TH, 2025 What Is Osteoporosis? Osteoporosis is a metabolic bone disorder characterized by decreased bone density and increased fracture risk. Biotechnology and Osteoporosis: • Early Diagnosis: Molecular diagnostic tools like genetic screening and biomarker analysis help identify individuals at risk before symptoms appear. • Tissue Engineering: Stem cell research and biocompatible scaffolds are paving the way for bone regeneration and repair. • Future Vision: Gene therapy and bioengineered probiotics may soon revolutionize bone health by enhancing calcium metabolism and bone density naturally. “Strong Bones, Strong You.” Awareness Campaign By Department Of Biotechnology Presented by: Fizza Arif Supervised by: Miss Salma Komal

World Food Day Awareness Campaign (Brochure)	
Date	October 16th, 2025
Brief description of activity	The Department of Biotechnology at Jinnah University for Women organized an awareness campaign in the form of brochure dissemination on World Food Day to highlight the role of biotechnology in achieving global food security. The campaign focused on innovative biotech solutions such as genetically modified (GM) crops, genome editing (CRISPR-Cas9), and biofortification for producing nutrient-rich and high-yield crops.
Number of students	3
Class/Batch of students	BS Biotechnology, 3rd Year
Place where activity was conducted	On social media platforms
Duration of activity (days, week, regular)	--
Impact of activity	The campaign successfully raised awareness among students about the vital role of biotechnology in addressing food insecurity and improving crop productivity. It encouraged students to explore biotech-driven agricultural innovations for a sustainable and hunger-free future.
Attach Pictures	

Activity Title: World Rabies Day Awareness Campaign (Brochure)	
Date	September 28th, 2025
Brief description of activity	The Department of Biotechnology at Jinnah University for Women organized an awareness campaign in the form of brochure dissemination on World Rabies Day to educate students and faculty about rabies prevention and control. The campaign highlighted the causes, signs, and preventive measures of rabies, emphasizing that the disease is 100% preventable through timely vaccination and responsible pet care.
Number of students	2
Class/Batch of students	BS Biotechnology, 3rd Year
Place where activity was conducted	On social media platforms
Duration of activity (days, week, regular)	---
Impact of activity	The campaign enhanced awareness among students and staff about rabies prevention, safe handling of animals, and the importance of pet vaccination. It encouraged community responsibility and timely medical intervention in case of animal bites, promoting a safer and more informed environment.
Attach Pictures	

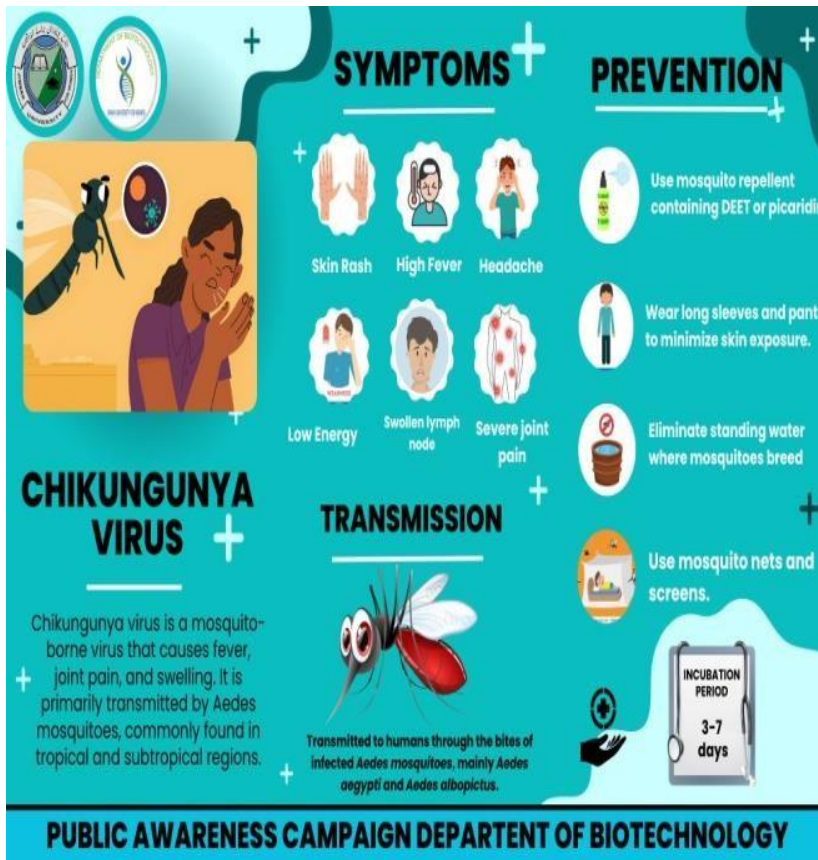
Activity Title: Green Horizon: A Call to Climate Action (Science Magazine)	
Date	October 2024
Brief description of activity	The <i>Climate Action Magazine</i>, published in October 2024 by the Department of Biotechnology, was developed as a community service initiative aimed at raising awareness about climate change and promoting sustainable environmental practices through the lens of biotechnology. The magazine highlighted innovative biotechnological approaches addressing global environmental challenges such as pollution control, waste management, renewable energy, bioplastics, and carbon footprint reduction. It featured student and faculty contributions, including research insights, informative articles, and creative content focused on eco-friendly biotechnological solutions for climate resilience. The initiative encouraged community engagement, environmental responsibility, and scientific literacy among readers, aligning with the United Nations Sustainable Development Goal 13 – Climate Action.
Number of students	11
Class/Batch of students	BS Final year Biotechnology
Place where activity was conducted	On Social media platforms and hard copies were distributed in the faculty of science's departments
Duration of activity (days, week, regular)	---
Impact of activity	The magazine created meaningful awareness among students and the community about the role of biotechnology in mitigating climate change. It fostered a sense of environmental responsibility, inspired sustainable practices, and promoted student engagement in climate-focused biotechnological research and innovation.

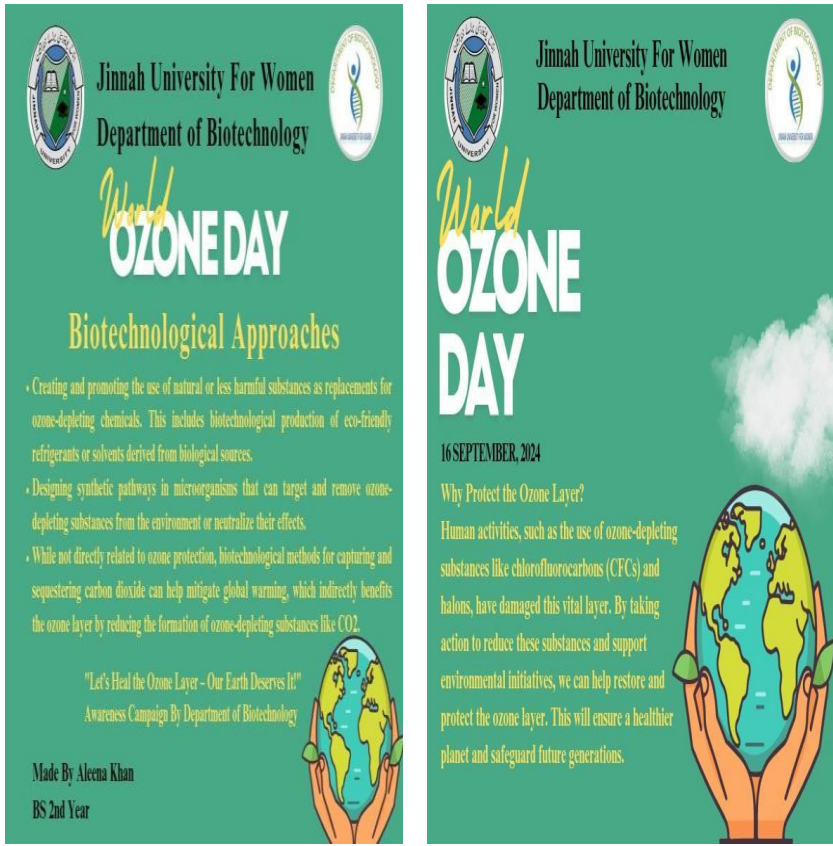
Attach Pictures



Activity Title: Breast Cancer -Awareness Campaign (Brochure)	
Date	October 20 th , 2024
Brief description of activity	The Department of Biotechnology at Jinnah University for Women conducted a Breast Cancer Awareness Campaign in the form of brochure dissemination to educate students and faculty about breast cancer, its risk factors, and the importance of early detection. Informative materials highlighted genetic and lifestyle risk factors, regular screening, and healthy lifestyle choices.
Number of students	50+
Class/Batch of students	BS Biotechnology
Place where activity was conducted	On Social media platforms
Duration of activity (days, week, regular)	---
Impact of activity	Increased awareness, reduced stigma, and promoted proactive health behaviors among
Attach Pictures	 JINNAH UNIVERSITY FOR WOMEN DEPARTMENT OF BIOTECHNOLOGY BREAST CANCER <i>Awareness Month</i> Breast Cancer is a disease in which malignant (cancer) cells form in the tissues of the breast. Breast cancer occurs when cells in the breast begin to grow uncontrollably. It can affect both men and women, though it is far more common in women. 20th OCTOBER RISK FACTORS - FAMILY HISTORY: HAVING A FAMILY HISTORY OF BREAST CANCER CAN INCREASE RISK. - GENETIC MUTATIONS: BRCA1 AND BRCA2 GENE MUTATIONS SIGNIFICANTLY RAISE THE RISK. - LIFESTYLE FACTORS: ALCOHOL CONSUMPTION, OBESITY, AND LACK OF PHYSICAL ACTIVITY CAN CONTRIBUTE. PRECAUTIONS - ENGAGE IN REGULAR PHYSICAL ACTIVITY - TAKE HEALTHY DIET - REDUCE ALCOHOL INTAKE - AVOID TOBACCO PRODUCTS - LIMIT EXPOSURE TO RADIATION - CONSIDER GENETIC TESTING IF YOU HAVE A FAMILY HISTORY OF BREAST CANCER - QUIT SMOKING - MAINTAIN A HEALTHY WEIGHT AWARENESS CAMPAIGN BY DEPARTMENT OF BIOTECHNOLOGY MADE BY ALEENA KHAN BS 2ND YEAR

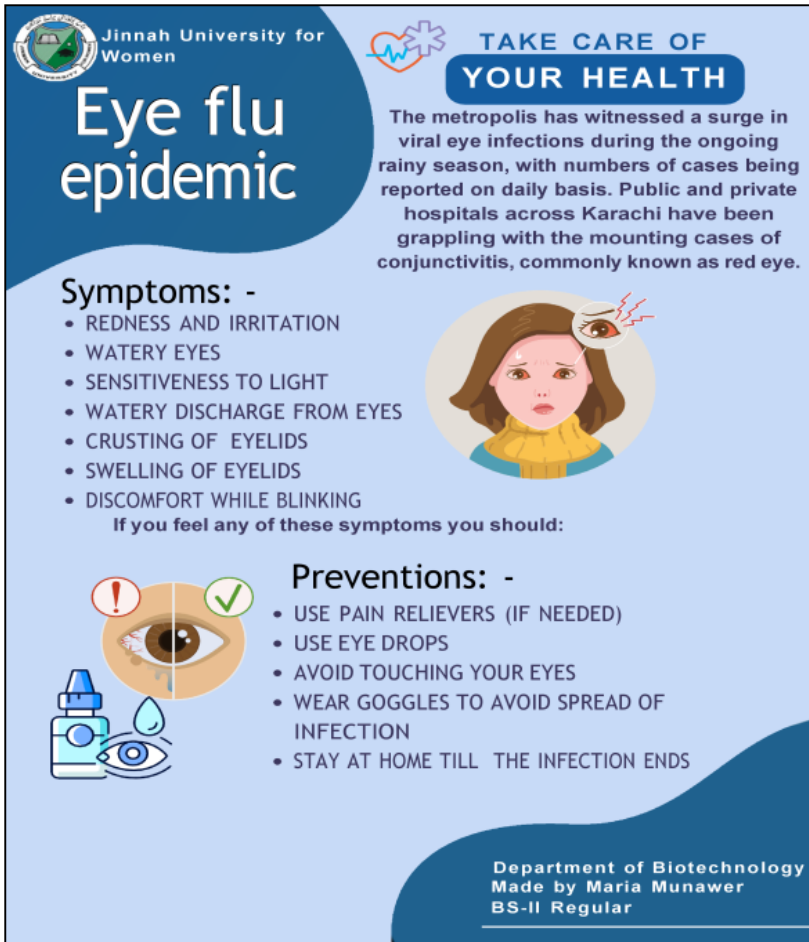
Activity Title: Awareness Session on “Beyond the Diagnosis; Biotechnologist’s Experience with Cancer”	
Date	October 18th, 2024
Brief description of activity	An awareness session titled “ <i>Beyond the Diagnosis: Biotechnologist’s Experience with Cancer</i> ” was organized to provide insights into advancements in biotechnology related to cancer and personal experiences of professionals working in this field.
Number of students	40
Class/Batch of students	BS Biotechnology
Place where activity was conducted	Department of Biotechnology, Jinnah University For Women
Duration of activity (days, week, regular)	1 Day
Impact of activity	Enhanced students’ understanding of biotechnological applications in cancer research and inspired participation in health-related initiatives.
Attach Pictures	

Activity Title: Chikungunya Awareness Campaign (Brochure)	
Date	October 10th, 2024
Brief description of activity	A Public Awareness Campaign on the Chikungunya virus was conducted in the form of brochure dissemination to educate the public about causes, symptoms, and prevention methods. The campaign highlighted the role of Aedes mosquitoes and preventive measures such as repellents and removal of stagnant water.
Number of students	45
Class/Batch of students	BS Biotechnology
Place where activity was conducted	On Social media platforms
Duration of activity (days, week, regular)	---
Impact of activity	Increased public awareness regarding vector-borne diseases and improved preventive practices
Attach Pictures	

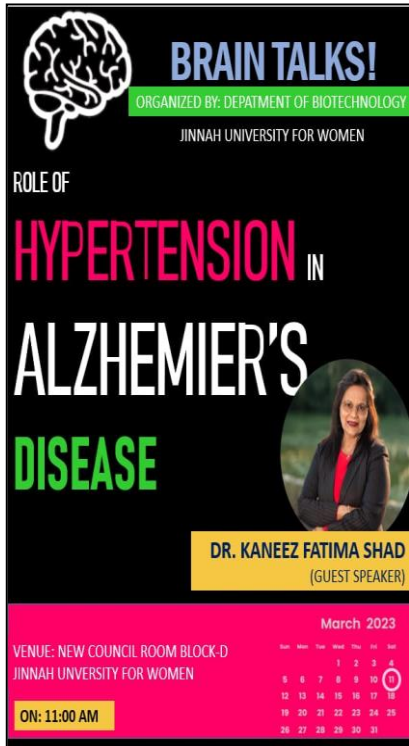
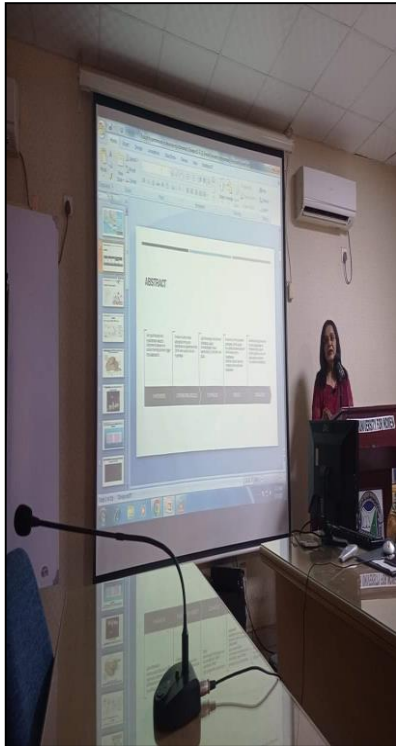
Activity Title: World Ozone Day (Brochure)	
Date	September 16th, 2024
Brief description of activity	The Department of Biotechnology observed World Ozone Day to raise awareness about protecting the ozone layer. Students discussed the harmful effects of CFCs and halons and explored biotechnological methods for ozone restoration, including eco-friendly industrial processes and bio-based refrigerants. (in the form of brochure dissemination)
Number of students	--
Class/Batch of students	BS Biotechnology
Place where activity was conducted	On Social media platforms
Duration of activity (days, week, regular)	---
Impact of activity	Fostered environmental responsibility and understanding of biotechnology's role in environmental protection.
Attach Pictures	

Activity Title: Heat Stroke Awareness Campaign (Brochure)	
Date	May 23rd, 2024
Brief description of activity	An awareness campaign was held to educate students about heat stroke, its symptoms, and prevention strategies, emphasizing the importance of hydration and heat safety during summer (in the form of brochure dissemination)
Number of students	2
Class/Batch of students	BS Biotechnology
Place where activity was conducted	Social media platforms
Duration of activity (days, week, regular)	----
Impact of activity	Improved understanding of heat-related illnesses and adoption of preventive measures
Attach Pictures	The image shows a colorful brochure titled "Beat The Heat" from Jinnah University for Women. The brochure is designed to educate about heat stroke. It features a red header with the university's name and logo. Below the title, it states "Heat Related Deaths Are Preventable". The main body is yellow and contains several sections: "HEAT STROKE?" which defines the condition; "Know The Sign" which lists symptoms like headache, dizziness, nausea, vomiting, confusion, extreme thirst, dry/swollen tongue, rapid pulse, and a sudden rise in body temperature; "Prevention" which includes icons and text for "Stay Home", "Stay Hydrated", and "Apply Sunscreen"; and "Who is more at Risk" which shows icons for "Old People", "Children", "New Borns", and "Outside Worker".

Activity Title: 6. Dengue Fever Awareness Campaign (Brochure)	
Date	May 21st, 2024
Brief description of activity	The Department of Biotechnology conducted a dengue fever awareness campaign, distributing informative flyers and utilizing social media to highlight prevention and control methods (in the form of brochure dissemination)
Number of students	
Class/Batch of students	BS Biotechnology
Place where activity was conducted	Social media platforms
Duration of activity (days, week, regular)	--
Impact of activity	Enhanced awareness of dengue prevention and vector control
Attach Pictures	

Activity Title: Eye Flu Awareness Campaign (Brochure)	
Date	September 12th, 2023
Brief description of activity	Eye Flu Awareness Campaign, conducted by the Department of Biotechnology Informative flyers have been created and posted on our social media platforms to raise awareness about eye flu and its prevention (in the form of brochure dissemination)
Number of students	
Class/Batch of students	BS Biotechnology
Place where activity was conducted	Different departments in Jinnah University for Women and social media platforms
Duration of activity (days, week, regular)	--
Impact of activity	Increased knowledge about eye infections and hygiene practices
Attach Pictures	

Activity Title: World Health Day Awareness Campaign (Science Magazine)	
Date	April 19th, 2023
Brief description of activity	On April 19 th , 2023, World Health Day Awareness Campaign, conducted by the Department of Biotechnology. This initiative aims to promote health awareness and will include various activities and resources shared across our platforms (in the form of magazine dissemination)
Number of students	4
Class/Batch of students	BS Biotechnology
Place where activity was conducted	Social media platforms and hard copies were distributed to various departments of faculty of science
Duration of activity (days, week, regular)	1 Day
Impact of activity	Promoted awareness of global health issues and preventive healthcare
Attach Pictures	

Activity Title: A Seminar on Alzheimer's Disease	
Date	March 11th, 2023
Brief description of activity	A Seminar on Alzheimer's Disease was organized by the Department of Biotechnology. This initiative will include informative resources and activities aimed at educating the community about Alzheimer's disease and its impact. An insightful lecture was delivered by Prof. Dr. Kaneez Fatima Shad from Australia.
Number of students	30
Class/Batch of students	BS students and faculty members of department of Biotechnology
Place where activity was conducted	New Council Room at Jinnah University for Women
Duration of activity (days, week, regular)	1 Day
Impact of activity	Enhanced community understanding of neurodegenerative diseases and empathy toward affected individuals.
Attach Pictures	 

Activity Title: Dengue Fever Awareness Campaign (Brochure)	
Date	September 22nd, 2022
Brief description of activity	Dengue Fever Awareness Campaign, by the Department of Biotechnology. This comprehensive initiative is designed to deepen community understanding of dengue fever, focusing on its prevention, recognition of symptoms, and effective control measures ((in the form of brochure dissemination)
Number of students	40
Class/Batch of students	BS Biotechnology
Place where activity was conducted	Department of Biotechnology
Duration of activity (days, week, regular)	1 Day
Impact of activity	Strengthened knowledge on disease prevention and public health safety.
Attach Pictures	