Co-operative planning for climate change disasters

The Women University of Azad Jammu & Kashmir, Bagh, recognizes the importance of collaborative planning and institutional coordination in addressing climate change-related disasters. Through awareness-raising activities, environmental initiatives, and engagement with relevant departments and community organizations, the university promotes preparedness, environmental responsibility, and resilience among students and the wider community. Such collaboration can contribute to improved awareness of climate-related risks, including floods, landslides, extreme weather events, and other hazards relevant to the region.

The university aims to strengthen cooperation with relevant government departments, disaster management authorities, environmental organizations, and community stakeholders to support climate risk awareness, emergency preparedness, and coordinated responses to climate-related emergencies.

MoU Signing Ceremony between the Department of Wildlife & Fisheries and Women University of Azad Jammu & Kashmir, Bagh

The proposed Memorandum of Understanding (MoU) between the Department of Wildlife & Fisheries and the Women University of Azad Jammu & Kashmir (WUAJ&K), Bagh, aims to strengthen institutional collaboration in environmental conservation, biodiversity protection, and climate change adaptation. This partnership can provide a framework for cooperative planning to address climate-related disasters and environmental challenges through joint awareness sessions, research activities, student training, wildlife habitat conservation, and knowledge sharing.

The collaboration is particularly relevant to disaster risk reduction, as climate change can threaten wildlife habitats, forest ecosystems, and aquatic biodiversity. Joint planning and coordinated action can help identify environmental risks, promote ecosystem-based approaches to climate resilience, and enhance preparedness for climate-related challenges in the region. (Annex I)

Environmental Awareness and Disaster Management Outreach Programme at READ Foundation College, Bagh

The Women University of Azad Jammu & Kashmir (WUAJ&K), Bagh, organized an environmental awareness outreach programme at READ Foundation College, Bagh, focusing on disaster management, environmental protection, and preparedness for climate-related

hazards. The programme aimed to educate students about disaster risks, preventive measures, emergency preparedness, and the importance of collective responsibility in reducing the impacts of environmental and climate-related disasters.

This initiative can be linked to cooperative planning for climate change disasters because it promotes collaboration between educational institutions and communities, encourages knowledge sharing, and strengthens awareness of disaster preparedness at the local level. By engaging students and educational stakeholders, the programme contributes to building a more informed and resilient community. (Annex II)

Integration of Climate Change into Curriculum

WUAJ&K has integrated climate change, sustainability, and environmental management ourses into various departments. This prepares students to tackle modern environmental hallenges while raising community awareness. (Annex III)

Community Cleanliness Drive by WUAJ&K Students (2025)

The Women University of Azad Jammu & Kashmir (WUAJ&K), Bagh, engaged students in a community cleanliness drive in the areas surrounding the university premises during 2025. The initiative aimed to promote environmental cleanliness, responsible waste disposal, and public awareness about maintaining a clean and healthy environment. Through student participation and community engagement, the activity encouraged civic responsibility and supported government efforts to improve sanitation, reduce environmental pollution, and promote sustainable waste management.

This initiative reflects the university's contribution to government-led environmental protection and public cleanliness objectives by mobilizing young people to participate in practical community service. It also promotes cooperation between educational institutions and local communities in creating cleaner, healthier, and more sustainable surroundings. (Annex IV)

Tree Plantation Drive at Women University of Azad Jammu & Kashmir, Bagh – Contribution to Government Environmental Initiatives

The Women University of Azad Jammu & Kashmir (WUAJ&K), Bagh, contributes to government efforts for environmental protection and climate change mitigation through tree plantation activities conducted on campus and in collaboration with different departments and external organizations. These initiatives support broader government priorities related to

afforestation, biodiversity conservation, climate resilience, and sustainable environmental management.

By engaging students, faculty members, and academic departments in plantation drives, the university promotes public awareness of environmental issues and encourages young people to participate in practical conservation activities. Such efforts complement government-led tree plantation and forest conservation programmes by increasing green cover, supporting carbon sequestration, and fostering environmental responsibility within the university and surrounding community. (Annex V)

Evidence

Annex I



Annex II


Environment awareness outreach program
Read Foundation College Bagh

Annex III

5	Islamic Studies * (Religious Edu / Ethics for non-Muslim students)	2 (2-0)	General Education
6	Applications of Information & Communication Technologies *	3 (2-1)	General Education
7	Understanding of Holy Quran – I *	1 (0-1)	General Education
	Total Credits Hours = 18		

SEMESTER II

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Fundamentals of Ecology	3 (3-0)	Major
2	Basic Chemistry	3 (3-0)	Interdisciplinary
3	Quantitative Reasoning – II *	3 (3-0)	General Education
4	Social Sciences ***	2 (2-0)	General Education
5	Functional English *	3 (3-0)	General Education
6	Pakistan Studies *	2 (2-0)	General Education
7	Arts & Humanities ****	2 (2-0)	General Education
	Total Credits Hours = 18		

SEMESTER III

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Environmental Chemistry	3 (2-1)	Major
2	Environmental Physics	3 (2-1)	Major
3	Mineral Resources	3 (3-0)	Major
4	Introduction to Earth Sciences	2 (2-0)	Interdisciplinary
5	Expository Writing *	3 (3-0)	General Education
6	Civics & Community Engagement *	2 (2-0)	General Education
7	Ideology & Constitution of Pakistan *	2 (2-0)	General Education
	Total Credit Hours = 18		

SEMESTER IV

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Environmental Toxicology	3 (2-1)	Major
2	Environmental Pollution	3 (3-0)	Major
3	Applied Ecology	3 (2-1)	Major
4	Environmental Microbiology	3 (3-0)	Major
5	Water & Wastewater Treatment	3 (3-0)	Major
6	Understanding of Holy Quran – II *	1 (0-1)	General Education
7	Entrepreneurship *	2 (2-0)	General Education
	Total Credit Hours = 18		

SEMESTER V

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Analytical Techniques in Environmental Science	3 (2-1)	Major
2	Research Methods in Environmental Science	3 (3-0)	Major
3	Geographical Information Systems & Remote Sensing	3 (2-1)	Major
4	Environmental Governance	2 (2-0)	Major
5	Climate Change	2 (2-0)	Major
6	Environmental Economics	2 (2-0)	Interdisciplinary
	Total Credit Hours = 15		

4 Environmental Governance 2 (2-0) Major
5 Climate Change 2 (2-0) Major
6 Environmental Economics 2 (2-0) Interdisciplinary
Total Credit Hours = 15

SEMESTER VI

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Disaster Risk Management	3 (3-0)	Major
2	Solid Waste Management	3 (3-0)	Major
3	Environmental Management Systems	3 (2-1)	Major
4	Elective – I *****	3	Major
5	Elective – II *****	3	Major
	Total Credit Hours = 15		

SEMESTER VII

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Biodiversity & Conservation	3 (3-0)	Major
2	AI & Emerging Technologies in Environmental Science	3 (2-1)	Major
3	Elective – III *****	3	Major
4	Elective – IV *****	3	Major
5	Sustainable Development	3	Interdisciplinary
	Total Credit Hours = 15		

SEMESTER VIII

S.N.	COURSE	CREDIT HOURS	CATEGORY
1	Elective – V ******	3	Major
2	Elective – VI ******	3	Major
3	Elective – VII ******	3	Major
4	Health, Safety & Environmental Management	3 (3-0)	Interdisciplinary
5	Capstone Project	3	Capstone
	Total Credit Hours = 15		

* HEC designed **model courses** for general education may be used by the university.

** The university / concerned department may offer any course in the broader category of **"Natural Sciences"** which should have relevance to the purpose of the degree program.

*** The university / concerned department may offer any course in the broader category of **"Social Sciences"** including but not limited to a course of Sociology, Social Work, Anthropology, Psychology, Education etc.

**** The university / concerned department may offer any course in the broader category of **"Arts & Humanities"** including but not limited to a course of regional or international language such as Chinese, Arabic, French, Spanish etc. or any other course such as Philosophy, History etc.

***** Read in conjunction with guidance given on "**Standard Nomenclature**" in this document, the university / concerned department may offer any 7 advanced courses from either the general pool or from within one of the specializations as **electives** keeping in view its available academic, human and infrastructural resources. **Credit combination** may be arranged in accordance with the nature of the course.

Degree Award Requirements

The following minimum requirements are prescribed for the award of BS Environmental Science:

a) All courses in the General Education category with titles and credit hours as prescribed in HEC Undergraduate Education Policy V 1.1. including the courses of "Pakistan Studies", "Understanding of Holy Quran – I" and "Understanding of Holy Quran – II" must be completed.

Annex IV



Annex V


Tree Plantation at WUAJ&K Bagh by Department of English and Botany