

Air University Islamabad

Student engaged with sustainability

The fundamental goal of Air University is to teach students not just academic programmes but also how to contribute to society's well-being. Air University is committed to changing the behavior of students, staff, and faculty by promoting national and international competitions that help to find solutions to social, environmental, and economic problems.

Students, faculty, and staff at Air University have been given the opportunity to participate in a sustainable development programme, research, and projects that will aid in the betterment of society and improve the university's institutional performance in order to meet national and international standards.

Because Air University offers more engineering programmes, the university's main focus is on reducing the quantity of emissions created in the laboratories and protecting the university's environment both inside and beyond its walls. The significant contributions of students and staff to this goal demonstrate that they are both aware of and committed to making their university a Green Campus.

The following is a list of initiatives, research, and events accomplished by students, staff, and faculty at Air University and its sub campuses.

Air University

Number of student organizations related to sustainability

1. Wall of Hope



- Wall of Hope is an organization and a platform that primarily works for youth development. It serves humanity by doing welfare work as well, alongside providing many opportunities to youth. It has more than 40 chapters and Air University is one of them.

2. Sha'oor Society



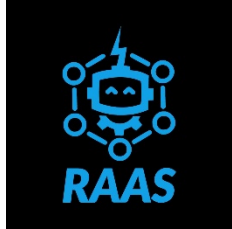
- AU Sha'oor Society was developed in Air University, for social welfare and character building of youth.
- AU Sha'oor is a team of youngsters who are dedicated to bring academic, social and moral awareness in the society. Explicitly, Sha'oor is non political, non biased student organization which came about as an idea in 2007 and was established as a student society at Air University, Islamabad in 2008. Sha'oor Society works on numerous civic engagement projects and community development programs through its platform for the wellbeing of the community.

3. Green Youth Club

- Green Youth Club is initiated with the mission to restore and make aware students and society of the depletion of resources and importance to conserve and reuse. It is used as a forum where we empower students to participate and take up meaningful environmental activities and projects. It is a forum through which students can reach out to influence, engage their parents and neighborhood communities to promote sound environmental behavior.
- The purpose of the club is to create awareness of environmental issues, such as protection, conservation, preservation, and restoration, with an emphasis on

educating and empowering students. Students who are interested in environmental advocacy and awareness are encouraged to join.

4. RAAS



- Air University's Robotics and Automation Society formed in 2009 to provide chance to the students of Air University to show their talents and make their engineering more interesting by participating in extracurricular activities. RAAS has its emphasis on providing sustainable solutions to environment and everyday life using technology. RAAS has contributed in areas such as energy efficiency and resource conservation by providing tech solutions.

5. AU Start up Club



- In 2020, HULT Prize Air University Committee and Air University Startup Club, joined hands to continually organize HULT Prize in Air University. Later social media campaign was launched for a week in Islamabad and Multan Campus, for which 213 members registered in HULT Prize and 23 teams from both campuses were formulated. The showcased projects included a number of conservation and sustainability plans and the top five teams ideas were:

1- Team Suscom: The utilization and conservation of the wild fruits of Pakistan

2-Food Reinforcers: Providing nutritious rich-food product in one serving that can be easily carried packages.

3-Jaun in a million: Nutritious lollipop/ A healthy food for a wealthy mood

4-Air Legends: IOT based Smart Home Poultry System

5- The servers: Providing a platform to connect Dairy Farms (and Small Milk Producers) with People to get Pure Milk.

Number of Events Related to Sustainability

Clean & Green Pakistan (Plantation Drive 2021) dated: 10 August 2021

The Shaor Society, in partnership with the Forest Department in Islamabad and PTC, donated 2000 plants to Air University students, employees, and teachers. Sukhchain, Kachinar, Cheer, Wyeeping Willow, and Amrood were among the saplings delivered by the volunteers. On August 10, 2021, students, staff, and teachers planted 2000 plants at various areas in Rawalpindi and Islamabad in order to fulfil the goal of a Clean and Green Pakistan (Plantation Drive 2021)



March 7th, 2020 Safai and Awareness Walk On March 7, 2020,

The Air University Shaor Society will hold a Safai and Awareness walk at Hiking Trail 3, Islamabad. The walk was started by Air University students who had the concept that our country should be beautiful and clean, and that we can empower our youth to do so. This Safai and awareness walk educated the youth on the need of environmental cleanliness. The Vice Chancellor supported the youth in their efforts to launch this event and raise awareness in our community so that more people can adjust to the changes. The Shaor Society educated the students on the importance of cleanliness walks.3- March 7th, 2020 Safai and Awareness Walk .As our beloved Prophet Hazrat Muhammad SAW said “SAFAI NISF EMAN HAI”

National Cohesion through Unity in Diversity dated: 21st Feb, 2019

“Unity is strength,” goes a well-known adage. In our multicultural and multilingual county, appreciating diversity is essential for engendering our national strength. A nation does not necessarily require having a single uniformed language or a culture to be called as a nation. Uniformity continues to cease its utility in today’s multilingual and multicultural world. Pakistan is blessed with diverse regional languages—Balochi, Brahui, Pashto, Punjabi and Sindhi to name a few of them—and concomitant customs and cultures that serve as constituents of our national cohesion.

As a nation, we thrive on diversity. Our myriad regional cultures and languages merge into to give birth to our national unity, which we, the Faculty of Social Sciences at the Air University, wholeheartedly embrace. On February 21 every year, we celebrate and take pride in the fact that Pakistan is a homeland to 72 different languages and numerous cultures. Our signature event “**Unity in Diversity**” showcases literary speeches on the importance of our diversity to national unity and the display of our cultural norms and traditions. Diversity is a boon, not a bane.

A special edition titled **National Cohesion through Unity in Diversity** as a subtheme of our yearly event was held in 2019. Since 2014, Faculty of Social Sciences has been celebrating Unity in Diversity. However our event coincides with United Nations’ International Mother Language Day. We seek to promote, preserve and protect our multilingual and cultural identities that are the unique beauties of our motherland. This diversity is the cornerstone of our national harmony, integration and patriotism, all three important goals of our event.

This time the Faculty of Social Science has planned to extend this special event beyond Air University. It is going to be a joint venture in collaboration with Saiban-e-Pakistan and Pegham-e-Pakistan along with six major Islamabad based universities. These are: International Islamic University, Quaid-i-Azam University, Allama Iqbal Open University, National University of Modern Languages, Karakoram International University Gilgit and University of Lahore.



Number of cultural activities on Air University Multan campus (e.g.Cultural Festival) including virtual activities (if any)

In continuance of this determination and pursuit, we are going to arrange the Student's Week "Air Prodigy 2020". This event is being organized by the student club of AUMC for 5 to 6 days with new concept of competition, fun and enjoyment. We're excited to organize this event.

The Objective

Day 1:

The Inauguration (Air University Laar Campus): The event is started off with the ribbon cutting ceremony by Director and Head of Departments.

Basant and cultural festival: For the first time in the history of Air University Multan Campus, basant and cultural festival will be organized by the student club.

Scavenger Hunt: It is a game in which teams together solve riddles and clue to reach to the final destination to win. One of the most anticipated game.

Stalls: Many students will setup their food stalls within the campus.

Day 2:

Outdoor Sports (Shafqat sports complex): Outdoor sports i.e. Cricket, badminton and football tournament along with tug of war, spoon race, relay race and more.

Stalls: Many students will setup their food stalls.



Number of activities on Air University Kamra campus

1) Tree Plantation Campaigns: Total of 03 tree plantation Campaigns/drives have been carried out.

01 Tree plantation campaign was conducted under PM Billion Tree Tsunami Campaign: Advisor to PM on Climate Change Mr. Malik Amin Aslam was chief Guest on the occasion.

01 Tree plantation drive was conducted for faculty, staff and students in Spring-2021

01 Tree plantation drive was conducted in August-2021 in which approx 4000 saplings have been planted

District Government Attock has been providing the plants for plantation campaign in phases.

2) Sports and Culture Week

A full week sports and cultural festivities have been carried out in Spring-2020. The idea was to promote physical and mental well-being of faculty, staff and students.





Number of scholarly publications on sustainability

Google Scholar

an intelligent hybrid energy management system

Articles

Any time
Since 2021
Since 2020
Since 2017
Custom range...

Sort by relevance
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Any type
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An intelligent hybrid energy management system for a smart house considering bidirectional power flow and various EV charging techniques [PDF] [mdpi.com](#)
Full View
[MK Rafique](#), [SU Khan](#), [M Saeed Uz Zaman](#)... - *Applied Sciences*, 2019 - [mdpi.com](#)
Compelled by environmental and economic reasons and facilitated by modern technological advancements, the share of hybrid energy systems (HES) is increasing at modern smart house (SH) level. This work proposes an intelligent hybrid energy management system (IHEMS) for an SH connected to a power network that allows a bidirectional power flow. The SH has electrical and thermal power loops, and its main components include renewable energy from wind and photovoltaics, electric vehicle (EV), battery energy storage system, a ...
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