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U.S.-Pakistan

Centers for Advanced Studies in Water



USPCAS-W MUET

save water save life

Introduction:

The U.S.-Pakistan Center for Advanced Studies in Water (USPCAS-W) has recently been established at the Mehran University of Engineering and Technology (MUET) Jamshoro, with financial support of United States Agency for International Development (USAID) Pakistan under the Cooperative Agreement signed with USAID on Dec.12, 2014 for five years. The University of Utah (UU), USA is providing technical assistance to MUET for advancing the development and growth of USPCAS-W. The tangible deliverables of the Center include postgraduate degree programs, applied policy research, facilitation of public-private partnerships, and provision of policy advice in a range of water related disciplines. Main purpose of the applied research component is to deliver relevant and innovative research to meet the needs of industry, civil society and government.

Vision:

To establish a world class education and research center dedicated to solving water related problems of Pakistan and to develop strong and productive liaison with local and international organizations aiming to support Pakistan's economic development.

Mission:

To train present and future faculty, young scientists, engineers, managers and other stakeholders with state of the art techniques and cutting edge knowledge in the water sector. Through collaboration with academia, government and industry we will pursue applied research solutions to water sector problems and bring about policy reforms aiming to strengthen economy of Pakistan.

Main Components of USPCAS-W:

- ◆ Reforming curriculum for higher degree programs
- ◆ Implementing applied research agenda in water
- ◆ Strengthening capacities of faculty, students, and water practitioners
- ◆ Improving Center's governance
- ◆ Securing Center's sustainability



MEHRAN UNIVERSITY
of Engineering & Technology
Jamshoro, Sindh, Pakistan

THE UNIVERSITY OF UTAH



Objectives:

- ❑ Establish governance structures for sustainability and improved capacity of the USPCAS-W
- ❑ Improve curricula quality and strengthen use of effective teaching methods
- ❑ Apply relevant research to meet client (industry, civil society, government) needs
- ❑ Increase access for talented and economically disadvantaged students, especially women.

Masters / PhD Program at USPCAS-W:

- ❑ Hydraulics, Irrigation and Drainage (HID)
- ❑ Integrated Water Resources Management (IWRM)
- ❑ Environmental Engineering (ENVENG)
- ❑ Water, Sanitation and Health Sciences (WaSH)

State of the art facilities

- ❑ Laboratories:
 - GIS & Remote Sensing Lab
 - Soil & Water Analysis Lab
 - Hydraulics Lab
 - Advanced Water & Wastewater Quality Control Lab
 - Pilot Scale Water and Wastewater Treatment Lab
 - Computer & Software Lab
- ❑ Research and Reference Library
- ❑ Researchers' work stations
- ❑ Class rooms equipped with smart boards
- ❑ Auditorium
- ❑ Hostel facility for girl students
- ❑ Cafeteria
- ❑ Equal opportunities for boys and girls



Disclaimer:

This Newsletter is made possible by the support of the American people through the United States Agency for International Development (USAID). The contents are the sole responsibility of USPCAS-W, MUET Jamshoro and do not necessarily reflect the views of USAID or the United States Government.

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