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U.S.-Pakistan  
**Centers for Advanced Studies in Water**



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# EXCHANGE REPORT

PREPARED BY



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[water.utah.edu/uspcasw](http://water.utah.edu/uspcasw)

## FALL 2018 USPCASW SCHOLARS

*We welcomed 13 scholars to the University of Utah this Fall. An additional 5 are studying at CSU.*

3

*Environmental  
Engineering*

7

*Hydraulics,  
Irrigation & Drainage*

1

*Integrated Water  
Resource Management*

7

*Water, Sanitation  
and Hygiene*

*The students started their Exchange with a visit to the Natural History Museum of Utah.*

*Students at the U had the opportunity to learn rock climbing in nearby Big Cottonwood Canyon. The experience offered an up-close look at a key tributary of Salt Lake's watershed. Students discussed Leave No Trace conservation principles and made connections between the challenges and triumphs they faced in climbing and their academic pursuits.*



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# PHOTOS

**Below is a selection of images from recent student activities. Please visit our Google Drive to view a full collection of photos:**

<https://drive.google.com/drive/folders/1hoccvIMORFChekWo4bh7hwa6ldUToFAK?usp=sharing>



**Top row:** Students participate in a goal-setting workshop. They are asked to set ambitious plans for growing their skillset during their time in Utah.

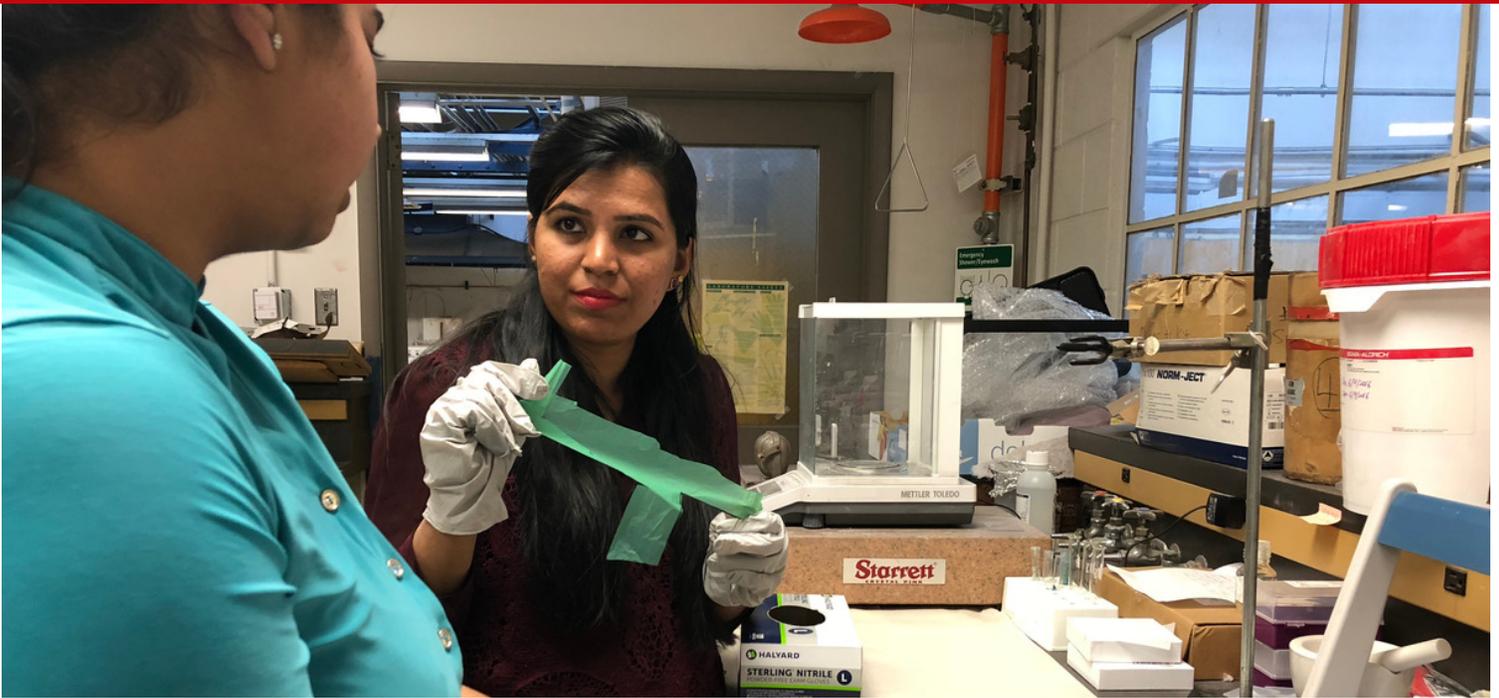
**Bottom row:** The group learned how to rock climb in Big Cottonwood Canyon--an important feature in the Salt Lake City watershed. The outing is an exercise in teamwork, resilience, courage and environmental stewardship.



A networking trip to San Francisco capped the summer semester for the six USPCASW students participating in Center's first Entrepreneurship Exchange.

Students toured the offices of Kiva, an international nonprofit that facilitates microloans. The group was also welcomed by Planet, a company that designs, builds, launches, and manages the world's largest constellation of Earth-imaging satellites called "Doves." Students also enjoyed meeting the Imagine H2O team, a nonprofit organization that equips entrepreneurs with the resources, insight and visibility to deploy and scale innovative solutions to global water challenges.

The trip further encouraged the students' ambitions to bring their water research to life as entrepreneurial solutions to Pakistan's water crisis.



# EMPOWERING WOMEN THROUGH WASH

Marvi Sharma wasn't always so self-assured about her research topic. When her project was recommended by her mentor in Pakistan "people laughed at me," she said. Even her mother initially discouraged her. These adverse reactions are evidence of how deeply the taboo of menstruation runs in Pakistan. But, growing up, Sharma had quietly observed the treatment of women in her country and when the opportunity came to unite her training as a Water, Sanitation and Hygiene (WaSH) engineer with women's empowerment, she fought through her hesitation and met the challenge head-on. "I asked myself 'What can I do to give women more status in my country?' This is it," said Sharma.

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