

## KPU Training Seminar in Mumbai, India

Training Dates: July 22-27, 2018

Location: Mumbai, India

### Partnership Objective:

This intervention was part of the partnership between the University of Nebraska at Omaha (UNO), the University of Nebraska-Lincoln (UNL), and Kabul Polytechnic University (KPU) Partnership in Master's in Hydraulics and Hydrotechnical Construction (HHTC) Degree is to improve academic quality of KPU through curriculum and faculty development to ensure quality education and employment for a larger number of Afghan men and women in the HHTC field.

KPU faculty were exposed to and developed experience in doing research, writing syllabi, performing student evaluations, learning to write assignments, and reviewing current policy document. KPU faculty were able to consult with UNO faculty and staff to learn how to conduct research. They also had an opportunity to discuss among themselves, with input from UNO faculty, their own abilities to adapt and adopt the appropriate techniques for their own situations.

The purpose of this academic training was to provide KPU faculty an opportunity to also visit a lab at Indian Institute of Technology in Mumbai. This visit was more beneficial than any of the laboratory visits done in previous workshops because the KPU professors were able to see an operational state-of-the-art hydraulics research laboratory. This will help them envision some of the possible research that they can do in their own hydraulics laboratory. UNO faculty also demonstrated how to use Matlab, Specific Workplace, and Coraldraw, which are softwares used by engineers. UNO professor David Admiraal delivered eight Water Resources Engineering books to the KPU professors to use an additional resource.



**The agenda for this training included:**

- Develop syllabi for final courses in the M.S. program
- Development of lessons, assignments, and tests.
- Presentations followed by hands-on workshop that teaches faculty how to develop elements of teaching by way of example.
- Visit the laboratory of Sichuan University
- Lab Equipment Training – work through PowerPoint slides demonstrating how to use and utilize each piece of lab equipment that was purchased. We could easily prepare some short videos for PowerPoint that show clips of experiments and final results.
- Policy – Review progress on policy document and finalize various aspects of the document. Assign work to complete the document over the summer.



UNO team members offered power point presentations and lead discussions concerning the topics mentioned above.

As planned, 10 faculty members from Kabul attended this training program. Three UNO team members who traveled to Mumbai conducted the training.

This seminar was very successful. The faculty of Kabul Polytechnic University attended 6 days of seminars covering a wide array of material. Afghan and American faculty who attended the seminars were able to learn a lot from each other. It was a great learning and team building opportunity for the attendees. The feedback received was that this seminar was very helpful to the attendees and they appreciated the time spend together.

UNO and Kabul Polytechnic University will jointly design further activities to build on these achievements.

