

# Obama-Singh 21st Century Knowledge Initiative Award Project: STEM Education & Research Faculty Training in India



## Purpose

The objective is to enhance educational excellence and collaborative research to address global challenges in STEM (Science, Technology, Engineering, Mathematics) areas by training Indian Ph.D. students for world-class faculty by OSU faculty members. For the project, the OSU partnership with Aligarh Muslim University (AMU) in India received one of the four high-profile Obama-Singh knowledge initiative awards in 2013 and support for the first batch of students has been secured.

The project is under globalization objective of OSU and is expected to facilitate the plan in work to expand and form the coalition between the big ten universities along with University of Chicago in the US and Indian Universities under OSU leadership.

## Impact

OSU-AMU Center of Excellence for STEM ER (Education and Research) at AMU was inaugurated by William Brustein, Pat Osmer, David Williams in November 2013, and the Memorandum of Agreement between OSU and AMU was signed.

A new two-year academic curriculum for the degree of MEd-STEM for Indian postgraduate students has been approved by the Council of Academic Affairs at OSU and is ready to be launched in June 2014.

Anil K. Pradhan and Sultana N. Nahar have been in meetings with about 20 Indian universities regarding proposals to submit to Indian government agencies for continuation of support for more postgraduate students to the program.



Obama-Singh treaty for the Knowledge Initiative Awards.



Meeting of the four people, from left to right, Anil Pradhan, Sultana Nahar, Karen Irving, Adrian Rodgers, who formulated the curriculum of the new MEd-STEM degree at OSU.



The big event at Aligarh Muslim University for the initiation of the STEM ER (Science, Technology, Engineering, Mathematics Education and Research) project under the Obama-Singh 21st Century Knowledge Initiative Award that OSU received with partnership of Aligarh Muslim University.



Council of Academic Affairs after presentation of the curriculum for its final approval.

## Ohio State Colleges/Units Involved

College of Arts and Sciences  
College of Engineering  
College of Education and Human Ecology  
Department of Radiology  
Department of Neuroscience  
Office of International Affairs

## Community Partners Involved

Indian Universities:  
Aligarh Muslim University  
Delhi University  
Kashmir University

\*with prospect of a number of other central and private universities and prospect of 3 Saudi Arabian universities

## Contact

Sultana Nahar  
Research Scientist  
College of Arts and Sciences  
Department of Astronomy  
[nahar.1@osu.edu](mailto:nahar.1@osu.edu)  
<http://go.osu.edu/obamasingh>



THE OHIO STATE  
UNIVERSITY