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.

The big event at Aligharh 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.

**Ohio State Colleges/Units Involved**
College of Arts and Sciences
College of Engineering
College of Education and Human Ecology
Department of Radiology
Department of Neuoscience
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

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