

Obama-Singh Knowledge Initiative Project: STEM Faculty Training in India



Purpose

The objective of this program, developed and introduced under Obama-Singh 21st Century Knowledge Initiative award, is for OSU to offer the new dual degree MEd-STEM for Ph.D. students in Indian universities studying in STEM areas. The new program is novel as it provides faculty training of world class teaching excellence and leading state-of-the-art research in collaboration with OSU, both with equal emphasis.

Impact

The first batch of 4 Indian students (2 males and 2 females) enrolled to the program in Summer 2014 and will graduate in Spring 2016.

A new 2-year long dual degree program MEd-STEM for students in Indian universities

is now established at OSU. The program is also gaining interest internationally, such as, from Egypt, Republic of Georgia, Saudi Arabia.



Vice Provost William Brustein, who was at AMU as the Chief Guest of the international STEM Education and Research conference, is pointing the permanent presence of O-H-I-O at Aligarh Muslim University as the fellows graduate in May 2016.



Sultana Nahar and Anil Pradhan met in February 2016 USIEF officer Archita Jha in Delhi office regarding extension of the Indo-US Knowledge Initiative award until 2017 and selection of four more AMU Ph.D. students to join OSU in Fall 2016 for research.



Under Obama-Singh project, Sultana delivered a condensed course on atomic astrophysics and conducted computational workshops. Over 80 participants from Physics, Chemistry, Computer Science completed the course and received certificates.



The four fellows (Anwar Malik Azeen, Asim Rizvi, Hala, Nida Rahman) from Aligarh Muslim University (AMU) with their OSU advisors (Altaf Wani, Anil Pradhan, Karen Irving, Qien Wang, Sultana Nahar) after completion of their final STEM research and Education project presentations for the OSU degree MEd-STEM for Indian universities.



Obama-Singh STEM project of OSU held, jointly with AMU nanotechnology, the first international conference on STEM Education and Research held at AMU during March 12-15, 2016.



THE OHIO STATE UNIVERSITY

Ohio State/AMU Colleges Involved

All STEM (science, technology, engineering, mathematics) departments and colleges
Department of Teaching and Learning
College of Education and Human Ecology

Community Partners Involved

Aligarh Muslim University of India

How you can get involved:

- Funding support for students through internship
- Funding support for a collaborator for conference attendance
- Giving the unused text books of the last editions
- Bring a researcher for a short term

To get involved, contact:

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