



THE OHIO STATE UNIVERSITY

LeAP: Workshop Week at The Ohio State University

Presentation to the LeAP participants at Centre of Academic Leadership and Education Management (CALEM) Aligarh Muslim University Campus

Nikhil Tambe, PhD

Director, The Ohio State University - India Gateway

5th Sept 2019



Contents overview

- The Ohio State University
- India Connection
- Recent engagements in India
- Collaboration focus & mechanisms
- LeAP program: Preparing for Columbus



Overview

- Third largest public university in the United States
- Main campus is located in Columbus on 1,665 acres
- Regional campuses located in Lima, Mansfield, Marion, Newark and Ohio Agricultural Technical Institute in Wooster
- \$7.1 billion revenue in 2018
- \$900 million research expenditure
- 46,242 employees





Overview

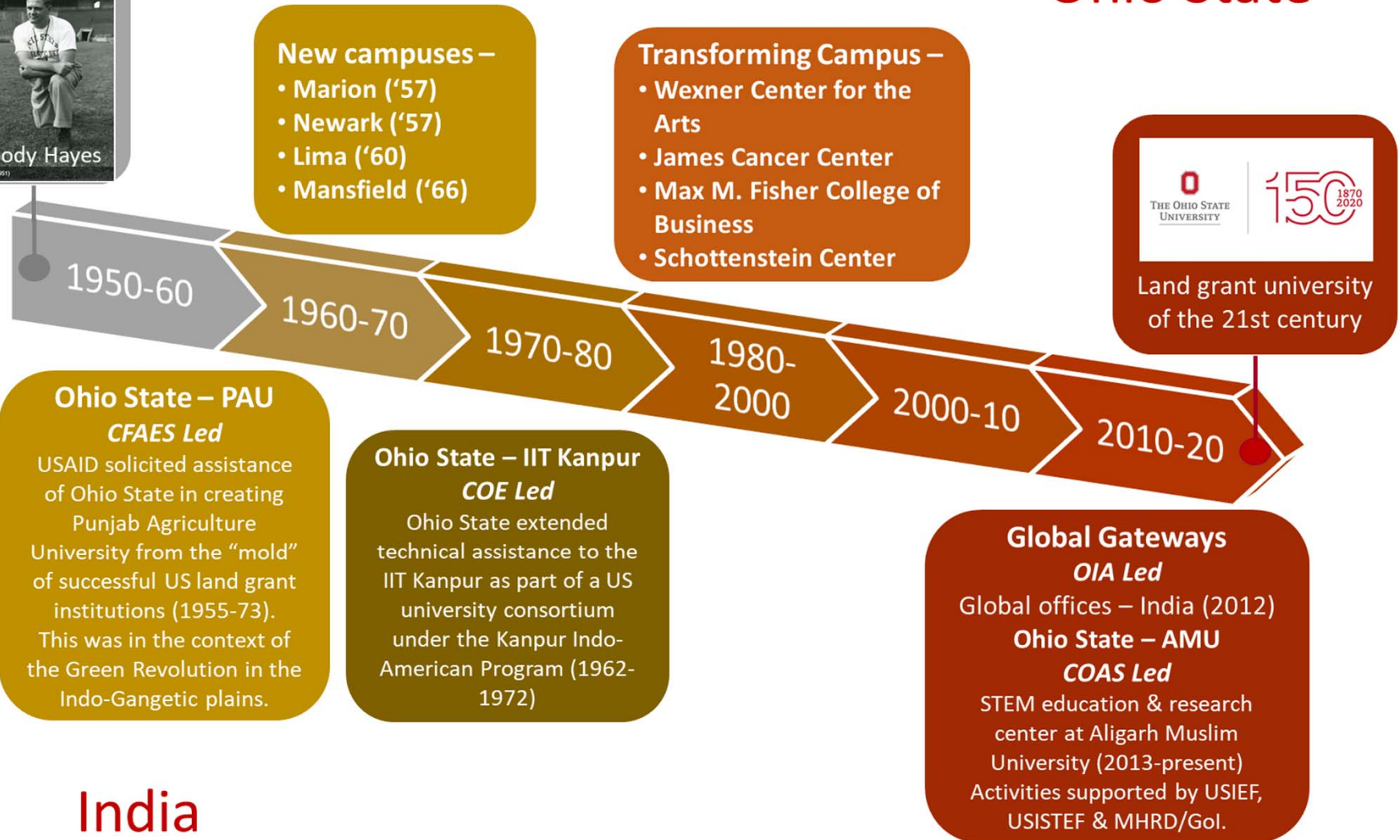
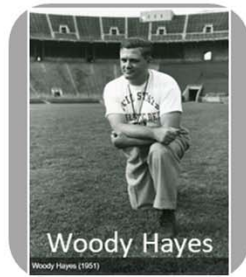
- 15 colleges, 200 majors, 500 specializations
- 41 residence halls
- Ranked third for research and fourth for industry sponsorships
- Over 6,500 international students admitted annually
- 10% of international students are from India



Michael V. Drake, President



Ohio State

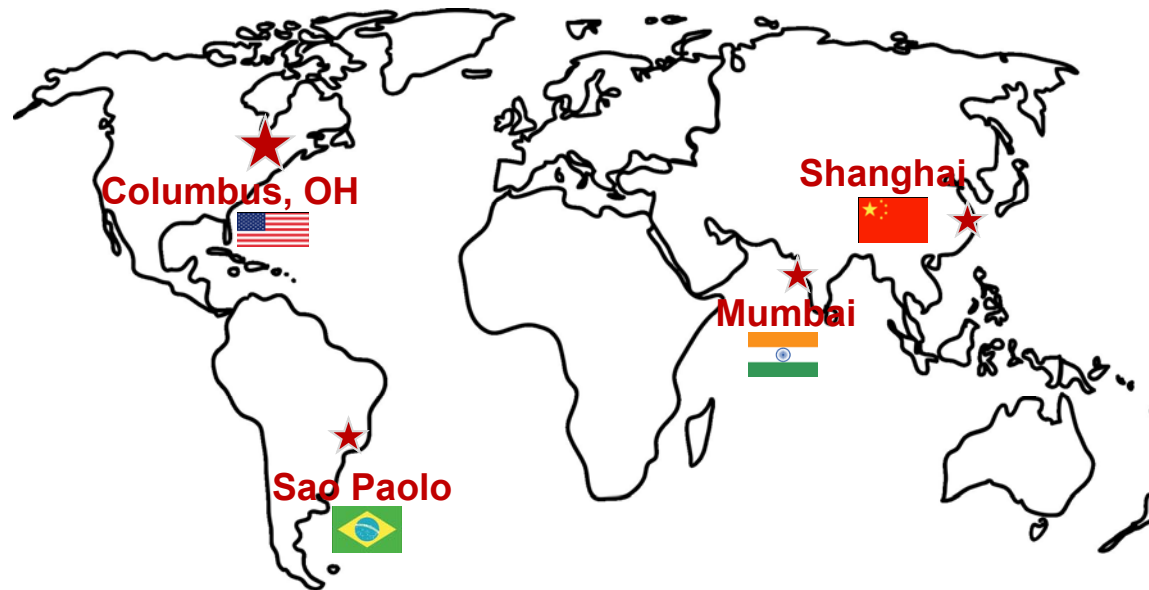


India



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Global Gateways Charter



One of several identified initiatives by the President's and Provost's Council on Strategic Internationalization

Students | Faculty | Partners | Alumni

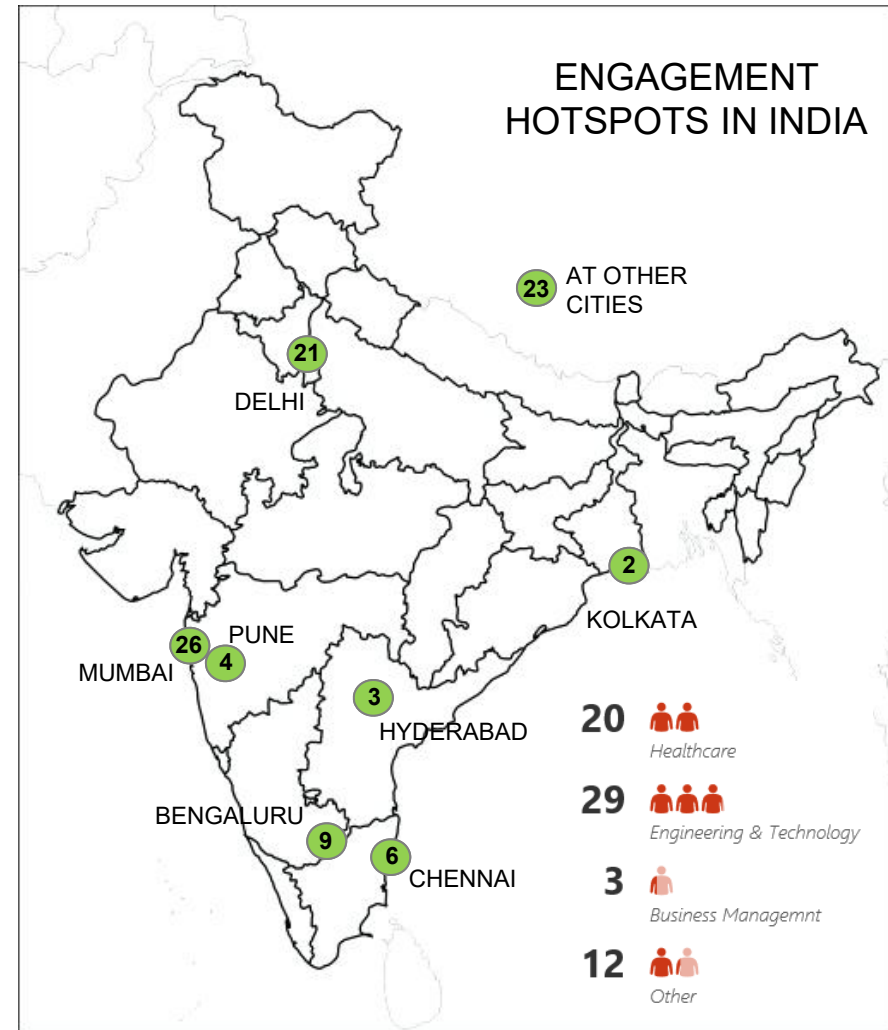
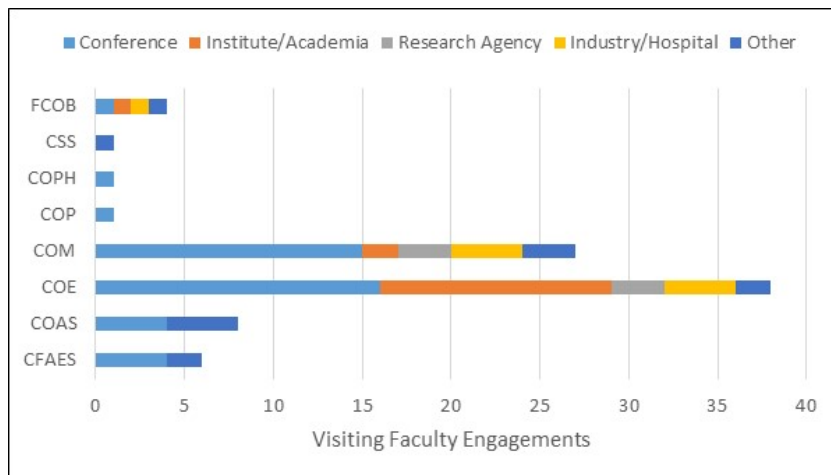
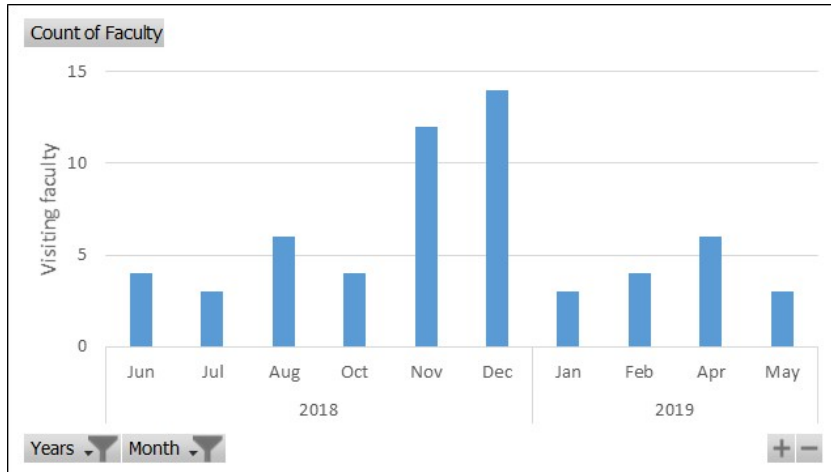


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Recent engagements in India - Infographics



Our Faculty in India during 2018-19





Major Events Hosted by Our Office

Women in STEM Roadshow

- Awarded grant from US Consulate, New Delhi
- Women in STEM Road show to conduct 9 workshops across India



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Spring 2018

Spring 2019



Part of the Symposium, series
"Science & Engineering for Sustainable Development"



Fall 2019

- FCOB training for TATA's Emerging leaders
- FCOB COE training for Mahindra Institute of Quality

2018

2019

2020



INTERNATIONAL EMERGING
INFECTIOUS DISEASES
CONFERENCE, MUMBAI 2018

Fall 2018



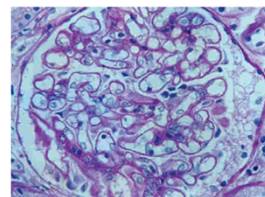
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- 14 International Speakers
- Participation of US FDA & USAID
- Inauguration by US Consul General
- 200 participants on each day

Spring 2019

- CME training
- 100 participants
- Dr Nori & Dr Satoskar from College of Medicine

THE KIDNEY BIOPSY: AN UPDATE
Saturday, 23rd - Sunday, 24th March, 2019



Organised by
P. D. HINDUJA HOSPITAL
& MEDICAL RESEARCH CENTRE

in collaboration with



2020



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Alumni



Overall 900+ alumni
550 actively connected



Student recruitment | Networking | Special Interest |
Lifelong learning | Arts | Community service |
Diversity/Culture

India Alumni Club Formed in Feb 2019: Reached Scarlet status in June!



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EducationUSA organized pre-departure orientation event for students



Undergraduate admissions event at a school

Student recruitment



Unveiling of Baja vehicle by Prof Giorgio Rizzoni at the Cummins College of Engg. Pune



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Student exchange programs & internships



Exchange Program Students & Interns



2018 RIYA scholars during their 10 week summer internship at MAE Dept



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Collaboration Focus & Mechanisms



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Driving effective collaborations in India: Focus

Domain Alignment



SUSTAINABLE AND RESILIENT
ECONOMY



MATERIALS AND
MANUFACTURING FOR
SUSTAINABILITY



INFECTIOUS DISEASES

Mobility: CAR, SVC
Center for Operational Excellence
GOHi

Healthcare

Engineering
& Technology

Business
Management

Partners

Academia & Institutes



Industry / Hospital



Government Agencies





Driving effective collaborations in India: Mechanism

- Sponsored research and consultancy
- Joint research
- Participation in Ohio State-led consortia
- Sabbatical programs for faculty
- Training and development
- Tailored certificate programs
- Student internships and exchange programs
- Organizing and hosting joint events and conferences
- Other avenues ...



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Driving effective collaborations in India: Mechanism



भारत सरकार
GOVERNMENT OF INDIA

विज्ञान और प्रौद्योगिकी मंत्रालय
MINISTRY OF SCIENCE AND TECHNOLOGY



सत्यमेव जयते

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY

VAJRA 
Visiting Advanced Joint Research Faculty



UNIVERSITY OF NEBRASKA OMAHA
US - INDIA PARTNERSHIP 2020



US-INDIA
KNOWLEDGE
EXCHANGE





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INDO-US A.P.J. Abdul Kalam Centre of Excellence for STEM Education & Research



Established in 2013
under Obama-Singh 21st
Century Knowledge
Initiative Award of US
Department of State

Co-hosted the
International
Conference on
Nanotechnology
Aligarh Nano-IV
in 2014

International Conference on
STEM Education & Research
jointly with the International
Conference on Nanotechnology
Aligarh Nano-V in 2016

Formalized legal &
financial structures.
Named "APJ Abdul
Kalam Center",
2017

Indo-US (formerly Obama-Singh) 21st Century Knowledge Initiative award project
"STEM Faculty training" in partnership with Aligarh Muslim University, 2012 - 2017



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INDO-US A.P.J. Abdul Kalam Centre of Excellence for STEM Education & Research



Director Prof. Tauheed Ahmad and Co-Director Prof. Farukh Arjmand recognized for their contributions in organizing the USIEF sponsored "Women in STEM Roadshow", Feb 2018



Director Prof. Anil Pradhan & Co-Director Prof. Sultana Nahar at the 18th convention of the Federation of Aligarh Alumni Association (FAAA) at Atlanta in July 2019.



Participation at USIEF supported "Showcasing U.S.-India knowledge initiative awards at IIT-Madras Shastra", Jan 2019



Nirmal Sinha (OSU - Indian community liaison in Columbus), Dr. Nikhil Tambe, Director of OSU India Gateway, Sayatan Chakravarty, Editor of India Empire Magazine, Jan 2019



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*Preparing for
Columbus, OH*



LEAP

**LEADERSHIP
FOR
ACADEMICIANS
PROGRAMME**



भारत सरकार
Government of India
मानव संसाधन विकास मंत्रालय
Ministry of
Human Resource Development



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Coordinators: AMU: A.R. Kidwai, F. Abbasi, OSU: Anil K. Pradhan, Sultana N. Nahar

Web: AMU: http://www.calemhrdcamu.in/new_leap.php

OSU: <http://www.astronomy.ohio-state.edu/~nahar/leap-india.html>

Sep 8	Sep 9	Sep 10	Sep 11	Sep 12	Sep 13	Sep 14	Sep 15
Arrive in Columbus	Breakfast at Blackwell Inn						
	Sessions and Panel Discussions 9 am to 530 pm						
	Evening Programs: Local - flavors, culture, tours						
							Depart from Columbus

Accommodations: The Blackwell Inn on campus reserved for the participants.
Address: 2110 Tuttle Park Pl, Columbus, OH 43215, Phone: (614) 247-4000



LEAP Workshop at OSU: Sep 8-15, 2019 – Leadership Themes and Agenda

The workshop program formally commences on Monday Sep 9 at 9 AM and ends Saturday evening on Sep 14. LEAP participants are to arrive on Sunday Sep 8 and depart the following Sunday Sep 15; accommodation: OSU Blackwell, Sep 8-14 (7 nights).

Session Venue: Ohio Union, Sep 9,11-14 (M,W,Th,F,S), Sci & Eng Library, Sep 10 (T)

Leadership Theme	Session (S)	Panel (P)
1. Orientation. 2. Administrative (ASC Dean, Weinberg)	– Mon S1 (9-10:30), S2 (11-12:30)	
3. Interdisciplinary Research (Pradhan, Contractor)	– Tue S3 (9-10:30)	
4. Disciplinary Research (Machiraju, Wani)	– Tue S4 (11-12:30)	
5. International – US & S.E. Asia (Latz, Payind)	– Tue S5 (2-3:30) – P1 (4-5:30)	
6. Digital Ed, Space Program (Hofherr, Horack)	– Wed S6 (9-10:30)	
7. Public Policy (John Glenn: Newton ? Roy-Dixon?)	– Wed S7 (11-12:30)	
8. Diversity – Women and Minorities (Nahar, Smooth)	– Wed S8 (2-3:30) – P2 (4-5:30)	
9. Business, Risk Management (Makhija, Ward)	– Thu S9 (9-10:30)	
10. Teaching and Learning (Irving, Cox)	– Thu S10 (11-12:30)	
11. Nationalism, Race, Religion and Politics (Islam,?)	– Thu S11 (2-3:30) – P3 (4-5:30)	
12. Global Issues – Climate, Agriculture (Rafique, Shearer)	– Fri S12 (9-10:30)	
13. Student and Staff/Faculty Psychology (Sharma, Saia)	– Fri S13 (11-12:30)	

3 Panel Discussions T, W, Th (4-5:30):

1. P1 (Tue): US and Indian Research Programs (OSU-OR, CST-India: Tiwary) – Chair: Pradhan
2. P2 (Wed): OSU-LEAP matchup (USEIF advisors, LEAP participants, OSU students) – Chair: Nahar
3. P3 (Thu): Indian community outreach (Islam, Sinha, Patel,...) - Chair: Rizvi



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Coordinators: AMU: A.R. Kidwai, F. Abbasi, OSU: Anil K. Pradhan, Sultana N. Nahar
Web: AMU: http://www.calemhrdcamu.in/new_leap.php
OSU: <http://www.astronomy.ohio-state.edu/~nahar/leap-india.html>

An extremely rich set of expert speakers!

Prof. Alam Payind Director
OSU Office of International Affairs Middle
East Studies Center

Prof. Altaf Wani Professor,
Department of Radiology,
Member of the Indo-US APKAJ STEM ER
Center of OSU-AMU

Prof. Anil Makhija
Dean and John W. Berry, Sr. Chair in
Business OSU Fisher College of Business

Prof. Anil K. Pradhan
OSU Department of Astronomy,
Director: Indo-US APJEAC STEM
Education and Research Center of OSU-
AMU

Prof. David Weinberg
Astronomy Chair and Henry L. Cox
Professor,
Distinguished University Professor

Dr. Dhananjay Tiwary
Counselor of Science and Technology,
Indian Embassy in Washington DC

Frank F. Islam
Chairman and CEO FI Investment Group,
LLC, Potomac, Maryland

Prof. Gil Latz
Vice Provost OSU Global Strategies and
International Affairs, Professor, Dept of
Geography

Prof. John M. Horack
Senior Associate Dean of Engineering,
Professor and Neil Armstrong Chair College
of Engineering and John Glenn College of
Public Affairs

Prof. Karen Irving
Dept of Teaching and Learning,
OSU Co-Director (STEM Education): Indo-
US APJAK STEM Education and Research
Center of OSU-AMU

Prof. Khandakar Rafiq Islam
Program Director CFAES Soil, Water, and
Bioenergy Resources

Michael B. Hofherr
Vice President and Chief Information Officer
of OSU Office of the Chief Information
Officer (OCIO) and Office of Distance
Education and ELearning (ODEE).

Prof. Monica F Cox
Chair, College of Engineering Department of
Engineering Education

Prof. Peter Ward
Richard M. Ross Chair, Dept of
Management Sciences
Senior Associate Dean for Academics,
Director, Center for Operational
Excellence

Prof. Raghu Machiraju
Biomedical Informatics, Computer and
Information Science, Pathology
Translational Data Analytics Institute;

Prof. Scott A Shearer
Chair, Dept of Food, Agricultural and
Biological Engineering

Prof. Sultana N. Nahar
Department of Astronomy,
Co-Director (Research): Indo-US APJAK
STEM Education and Research Center
of OSU-AMU,
Adjunct Professor: Aligarh Muslim
University, Cairo University

Prof. Syed Tariq Rizvi
Professor, Department of Mathematics,
Member of the Indo-US APKAJ STEM
ER Center of OSU-AMU



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OSU Workshop Details

Refer handout

<http://www.astronomy.ohio-state.edu/~nahar/leap-india.html#workshops>










Venue Map

Refer handout

<https://www.osu.edu/map/pdf/map.pdf>



Weather

DAY		DESCRIPTION	HIGH / LOW	PRECIP	WIND	HUMIDITY
SUN 8 SEP		Partly Cloudy	24°/14°	☂ 20%	NE 13 km/h	67%
MON 9 SEP		AM Showers	25°/16°	☂ 40%	SE 11 km/h	66%
TUE 10 SEP		Mostly Sunny	29°/18°	☂ 20%	SSW 15 km/h	69%
WED 11 SEP		Partly Cloudy	29°/17°	☂ 20%	SW 18 km/h	69%
THU 12 SEP		AM T-Storms	26°/15°	☂ 40%	WNW 15 km/h	69%
FRI 13 SEP		Mostly Sunny	25°/15°	☂ 20%	SSW 14 km/h	67%
SAT 14 SEP		Partly Cloudy	25°/15°	☂ 20%	SSW 15 km/h	65%
SUN 15 SEP		AM Showers	25°/15°	☂ 40%	SW 16 km/h	68%
MON 16 SEP		Mostly Sunny	26°/15°	☂ 20%	SW 16 km/h	67%



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Ohio State listed #2 team of the decade by College Football Hall of Fame

SAT SEP 7	 CINCINNATI	12:00 PM	Columbus, Ohio
SAT SEP 14	 INDIANA	12:00 PM	Bloomington, Ind.



OhioStateBuckeyes.com



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Sesquicentennial programs

Think Beyond: An Academic Summit Series

As part of the sesquicentennial celebration, we will convene a series of academic summits, each with a distinct focus. These thought-provoking, day-long gatherings of practitioners, experts, leaders and advocates will address the topics of teaching and learning, the role of urban-serving universities and the evolving 21st century land-grant university.



Sesquicentennial Student Scholar Leadership Program

Ohio State will select 150 students from across the university to participate in the Sesquicentennial Student Scholar Leadership Program during the academic year 2019-2020. The scholars will serve as ambassadors for the university and the sesquicentennial, participate in a Buckeye-focused leadership development program and receive a \$2,500 scholarship. To learn more about these students, visit 150.osu.edu/150scholars

Our Stories, Our Future: An Ohio State Docu-series

The award-winning team behind WOSU's "Columbus Neighborhoods" series will produce a 6-part mini-documentary series, Our Stories, Our Future, highlighting the depth and breadth of the university. Topics include land-grant heritage, physical campus, student experience, citizenship, international reach, teaching and learning, service and tradition. Check out the [trailer](#) to learn more.



Buckeye Biography: 150 Years of Ohio State

Through the end of 2020, we honor our land-grant commitment to educating our citizens by offering our popular History of Ohio State course online and at no charge. 150 years of Buckeye history is waiting for you, [enroll today!](#) #BuckeyeBiography #OSU150 Check out the [course trailer](#) for more information.



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<http://oia.osu.edu/india>



Manoj Garai
Business Dev. Specialist



Nikhil Tambe, PhD
Director



Vishwajeet Phopale
Business Dev. Specialist



Nikita Kharivale
Operations Specialist



Vinod Rani
Alumni Relations &
Admin Specialist



Mohan Davande
Office Assistant



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Thank You!



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भारत सरकार
GOVERNMENT OF INDIA

विज्ञान और प्रौद्योगिकी मंत्रालय
MINISTRY OF SCIENCE AND TECHNOLOGY



सत्यमेव जयते

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



Science and Engineering Research Board

Established through an Act of Parliament: SERB Act 2008

Department of Science & Technology, Government of India

International partnership
programs

Visiting Advanced Joint
Research (VAJRA) Faculty
Scheme

Graduate Research
Opportunities Worldwide
(GROW) Program

India-U.S. Grand Challenge

Newton-Bhabha International
Fellowships

Overseas Doctoral Fellowship

Partnerships for International
Research and Education
(PIRE)

SN Bose Scholars Program

- Overseas doctoral fellowship
- Overseas PhD fellowship
- Graduate Research Opportunities Worldwide (GROW) Program
- VAJRA
- SPARC
- Fellowships from the Ministry of Science & Technology



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United States - India Science and Technology Endowment Fund

"Commercializing Technologies For Societal Impact"



The governments of the United States of America (through the Department of State) and India (through the Department of Science & Technology) have established the United States–India Science & Technology Endowment Fund (USISTEF) for the promotion of joint activities that would lead to innovation and entrepreneurship through the application of science and technology. The aim of the Fund is to support and foster joint applied R&D to generate public good through the commercialization of technology developed through sustained partnerships between U.S. and Indian researchers and entrepreneurs. The U.S.-India Science and Technology Endowment Fund activities are implemented and administered through the bi-national *Indo-U.S. Science and Technology Forum (IUSSTF)*.





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Partnerships for International Research and Education (PIRE)

Indo-U.S Joint Clean Energy Research & Development Centre

Affordable Blood Pressure Measurement Technologies for Low Resource Settings in the U.S & India

Indo-U.S PACEsetter Fund

Real Time River Water & Air Quality Monitoring

Research & Development



<http://iusstf.org>

Indo-U.S. Science & Technology Forum

Fellowships

Water Advanced Research & Innovation Fellowship

Bhaskara Advanced Solar Energy Fellowship

SERB Indo-U.S Postdoctoral Fellowship for India Researchers

Bioenergy-Awards for Cutting Edge Research

Building Energy Efficiency Higher & Advanced Network Fellowship

IUSSTF-American Physical Society Fellowship



ASM-IUSSTF Indo-US Professorship in Microbiology

Research Internships in Science & Engineering



Graduate Research Opportunities Worldwide



Khorana Program for Scholars

IUSSTF-Viterbi Program



S.N Bose Scholars Program



Initiative for Research & Innovation in Science

Genome Engineering/Editing Technology Initiative Program

Indo-U.S. Fellowship for Women in STEMM



Available for US student/faculty