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16<sup>th</sup> & 17<sup>th</sup> June, 2022 Washing D.C, USA Hotel Mayflower

ORGANIZED BY

HIGHER EDUCATION FOUNDATION USA







IN ASSOCIATION WITH



www.visionworkshophef.com

# **VISION OF THE WORKSHOP**

"To catalyze the transformation of Higher Education in India through open dialogue between Indian and US academicians and educationists."



# THE SEED THOUGHT

To initiate a conversation between academia and industry towards helping India realise its potential

Nothing can change overnight; however, a candid discussion between the academic stalwarts in the education sector of India and the USA can elicit solutions. MIT-WPU Pune, along with some leading private universities of India, desires to act as a catalyst for bringing together educationists who are working at higher levels in other countries and India to have a focused discussion about productive reforms for the Indian education system.



# **ABOUT VISIONING WORKSHOP**

The Vision Workshop 2022 was purposed to act as a bridge between India and USA by enabling the cross pollination of new knowledge, ideas, and approaches of strategic nature between the most accomplished academicians in India and the US diaspora and bring together best practices to the Indian higher education landscape.

The platform facilitated interactions between the eminent academicians, scientists and thought leaders of Indian origin in the US and academic & scientific leadership of India so they could effectively work on transforming the Indian Higher Education System by drawing on the comprehensive and global network of leaders in academia, research, and industry.

#### FORGING NEW PATHWAYS TO NATION BUILDING

- Fostering the vision of NEP 2020 by means of global outreach to the Indian diaspora
- Facilitating alignment with the objective of the US-India Higher Education Summit held in October 2011
- Empowering India to achieve the target of GER of 25% in Higher Education as enumerated in the SDG:4 on Education
- Creating opportunities for over 2 lakh students of India to excel in their respective fields without having to leave the country
- Education is an important pillar of Indo-US Strategic Partnership. This workshop, in association with the Indian Embassy in the United States was a welcome and definitive step in furtherance of India's Education Diplomacy





of rigorous workshops and roundtable discussions.



50+

attendees



### **Dignitaries**

in the field of education across India and the U.S.



Shri Rahul V. Karad, Executive President, MIT-WPU with distinguished members of the Indian Diaspora in the USA – Suresh Garimella, President, University of Vermont, Sethuraman Panchanathan, Director, National Science Foundation, Taranjit Singh Sandhu, the Ambassador from the Indian Embassy, Washington DC.

## **THE DIGNITARIES**

#### The workshop was graced by many dignitaries such as

Advisory Chair, USA



**R A Mashelkar** Padma Vibhushan, Eminent Scientist

Advisory Chair, India



**Suresh Garimella** President, University of Vermont

Convener



**Rahul V. Karad** Executive President, MIT World Peace University, Pune





**Vijay Bhatkar** Padmavibhushan, Ex-Chancellor, Nalanda University

Member



Shekhar C. Mande Indian Structural and Computational Biologist

Member



Sanjay Dhande Padmashri, Ex-Director, IIT Kanpur, Ex-Chairman, BoG, NITIE





**Taranjit Singh Sandhu** Ambassador, Embassy of India in Washington D.C.

## **WORKING GROUP**





Vistasp M Karbhari Immediate Past President & Professor, University of Texas at Arlington

Member



**Makarand Hastak** Professor & Head, Construction Engg. & Mgmt., Purdue University College of Engineering

Member



**Jay Gore** Reilly Professor Dept. of Engineering, Purdue University





Ashok Joshi Technopreneur, Investor, Philanthropist Working Group





Dhananjay Tiwary Counsellor, Science & Technology Wing, Embassy of India, Washington DC





**Anshul Sharma** Counsellor, Education & Community Affairs, Embassy of India, Washington DC

## **EMINENT PARTICIPANTS**

Mahesh Daas President Boston Architectural College

Ashish Vaidya President Northern Kentucky University

Michael Rao President Virginia Commonwealth University

**Dr. Uday B. Desai** Founding director Indian Institute of Technology Hyderabad

Dr. Himanshu Rai Director IIM Indore **Pradeep K. Khosla** Chancellor University of California San Diego

**Rajagopal R. Echambadi** President of Illinois Institute of Technology

Venkat Reddy Chancellor University of Colorado Colorado Springs

**Dr. Valipe Ramgopal Rao** Former Director IIT Delhi

**Prof. Vinita Sahav** 

Founder Director

IIM Bodh Gaya

Sethuraman Panchanathan Director U.S. National Science Foundation (NSF)

**C. Mauli Agrawal** Chancellor University of Missouri-kansas City

Brian Grim President Religious Freedom & Business Foundation

Dr. Krishnaswamy Kasturirangan Indian Space Scientist

Prof. Subhasis Chaudhuri Director IIT Bombay **Satish K. Tripathi** President University at Buffalo

Jill Irvine Chief Officer Professional/Continuing Education University of Vermont

Rajendra Srivastava Former Dean, Indian School of Business (ISB)

**Dr. Rajan Saxena** Indian Management Expert Academic & Writer

Prof. Ajit Kumar Chaturvedi Director IIT Roorkee

## **EMINENT PARTICIPANTS**

**Dr. Amit Prashant** Director IIT Gandhinagar

#### Praveen Nahar Director, National Institute of Design (NID) Ahmedabad, Gandhinagar and Bengaluru

Dr. Sudhir Krishnaswamy Vice-Chancellor NLSIU, Bengaluru

Prof. Budaraju

Srinivasa Murty

Indian Institute of

Technology Hyderabad

Director

#### Dr. Vandana Narang

Dean (Academics) Professor NIFT Delhi

**Dr. Abhay Jere** Chief Innovation

Ministry of HRD

Officer

Dr. Pratima Murthy Director of National Institute of Mental Health and Neurosciences (NIMHANS) Bangalore

Dr. Anil Sahasrabudhe

Chairman Empowered Basic Science Research (BSR) Committee, UGC

**Prof. Simrit Kaur** Visiting Professor University of Social Sciences and Humanities Kumar Tewari Director of IIT Kharagpur

Shalini Bharat

'Saksham' Program

Institute's

Prof. Virendra

Bhushan Patwardhan Professor, Health Sciences Biomedical Scientist Ethnopharmacologist Pankaj Chandra

Nitesh V. Chawla

**Computer Science** 

and Engineering

Indian Educationist, Author and Academic

Frank M. Freimann Professor

University of Notre Dame

### Govt. of India

Shekhar C. Mande Indian Structural and Computational Biologist

**Prof. Trilochan Sastry** Former Dean (Academics) Indian Institute of Management, Bangalore

### **HIGHLIGHTS OF SPEECHES BY DIGNITARIES**



"There is hope and opportunity amongst this group for collaboration and progress. The differences between the US context and the Indian context serve as a way of opening conversations about connections; 100s of millions can be up-skilled and get access to education."

- President Garimella

"It is time for the Indian academic diaspora in the US to start discussions about progress. US institutions allow students to flourish and grow and their research is strong. We must now look at governance of the institutions back in India and understand the policy issues."

- Executive President Rahul Karad





"The knowledge space has limitless potential in the Indo-US partnership. President Biden and Honourable PM Modi have made efforts to develop government partnerships and emphasise higher education opportunities that connect the two countries. Indian talent, U.S. technologies and cutting-edge research can be synergised for great outcomes."

-Ambassador Sandhu

# **TOPICS ADDRESSED**

- Transformation of higher education in India by learning from U.S. best practices.
- Encouragement of an intense and ongoing interaction between the eminent academicians abroad and the ones in India.
- Facilitation of transfer of knowledge and partnerships between globally leading institutions in the U.S. and in India.
- Establishimemt of a forum for identifying opportunities for qualitative growth of both, Indian and U.S. institutions, jointly.



#### INTRODUCTION SPEECH: SURESH GARIMELLA, PRESIDENT, UNIVERSITY OF VERMONT

- Expressed that there is hope and opportunity among the group for collaboration and progress
- Differences between the US context and Indian context as a way of opening conversation about connections; 100s of millions to be upskilled/get access to education
- Currently, quality is uneven and variable across India, and funding structures are different between the two countries: Indian research support primarily govt, US has a much more robust corporate partnership.
- Keep all this in mind as we think about how to partner it requires innovation and commitment.
- NEP represents massive advance 50% of HS students move to highered, differentiation teaching and research
- Asks: is a land-grant-like mission for Indian U's? The vision of service in research, teaching, and greater government and corporate investment.
- Corporate partnerships modify and diversify funding sources, and provide alternative motivations for research.
- We must remain cognizant of scale. truly effective deployment of distance ed: Leapfrog opportunity for India



#### **KEYNOTE SPEECH: HONOURABLE TARANJIT SANDHU,** AMBASSADOR, EMBASSY OF INDIA IN WASHINGTON DC

- Knowledge space has limitless potential in Indo-US partnership
- Pointed out efforts of President Biden and Honourable PM Modi to develop government partnership and emphasized highered opportunity that connects
- The world faces multiple challenges: health care, climate change, supply chain issues, cyber threats
- Unique synergies for India and US Indian talent, US technologies, cutting-edge research in Clean and renewable energy, health care, AI, quantum mechanics etc.
- The ambassador promised the availability and support of the embassy for the project and great encouragement for innovation and new ways of building synergistic partnerships.



### PANEL DISCUSSION 1: INNOVATIVE PARTNERSHIPS

MODERATOR: SATISH TRIPATHI (U BUFFALO) PANELISTS: MAULI AGRAWAL (UKMC), SHALINI BHARAT (TISS), AJIT CHATURVEDI (IITR), ASHISH VAIDYA (NKU)

- "Opportunity of the Moment" The online mode serves as a powerful complement to in-person interactions. The best solutions and partnerships should be extracted from this scenario.
- In establishing partnerships, a clear vision and a defined goal should be decided so that conducive efforts are made towards the results based on shared priorities and values.
- The standards for success should be measurable so that the decisions regarding any initiative are taken based on tangible evidence.



### PANEL DISCUSSION 2: ENTREPRENEURSHIP & COMMERCIALISATION

### MODERATOR: HIMANSHU RAI (IIMI) PANELISTS: RAJITHA KULKARNI (SSRSU), PANKAJ MITAL (AIU), MICHAEL RAO (VCU), VENKAT REDDY (UCCS)

- An institutional environment should be fostered where entrepreneurship and commercialisation are topics that are frequently thought about, discussed and worked upon.
- Such an environment can be created by making sure that entrepreneurship is embedded into the minds of students by the culture that is established as well as via academics. Apart from this, these ideas can be included in the coursework and the students from different disciplines can be brought together for extra curricular activities so that success becomes a two way street.
- Even the faculty should be nurtured in these extremely relevant and ever growing fields. Lastly, there should be strong connections built with successful entrepreneurs who bring in relevant experience and are eager for such interactions.



### PANEL DISCUSSION 3: RESEARCH ECOSYSTEM

### MODERATOR: PRADIP KHOSLA (UCSD) PANELISTS: SUBHASIS CHAUDHARI (IITB), VISTASP KARBHARI (UTA), BHUSHAN PATWARDHAN (NAAC)

- There should be a system put in place to ensure that the right tools are used for long term solutions within the research ecosystem. These could range from exchange of post docs to potential research clusters formed around specific topics across institutions to identify and develop research proposals.
- Any kind of research done should be with the focus on creating an impact. A global perspective and mindset should be chosen while deciding the topics. These topics must be relevant and in sync with the times so that serve intense and long term benefits
- Such an environment should be cultivated that encourages commercialization, values business partners, and lowers obstacles to academic research achievement. This will aid in ensuring that administrators play an essential role in building the research ecosystem.



### PANEL DISCUSSION 4: PEDAGOGICAL INNOVATIONS IN HIGHER EDUCATION

#### MODERATOR: KK AGARWAL (NBA) PANELISTS: PANKAJ CHANDRA (AU), MAHESH DAAS (BAC), RAJ ECHAMBADI (IIT), PRAVEEN NAHAR (NID)

- Education that is focused towards outcomes should be a key priority. Scale, access and quality are factors that must be kept in mind and should be measurable.
- Any kind of research done should be with the focus on creating an impact. A global perspective and mindset should be chosen while deciding the topics. These topics must be relevant and in sync with the times so that serve intense and long term benefits
- Education is interpersonal, but it must grow in such a way that it allows a large number of students to keep upgrading their skills and learning new skills at the same time so that their educational experiences are bettered in the times to come. The participants prioritised experiential learning in various forms, including work.





Shri Rahul Karad with eminent dignitaries at the Visioning Workshop, 2022





The distinguished members of the Visioning Workshop Working Committee

### **KEY MOMENTS**



Dignitaries from the top Indian and International institutions being felicitated by Shri. Rahul Karad





Illustrious members of the Visioning Workshop at Hotel Mayflower, Washington D.C., USA



# India's education diplomacy.

Education is an important pillar of Indo-US Strategic Partnership. The platform of Higher Education Summit ill be a definitive step in furtherance of India's Education Diplomacy.

#### Catalyze discussions

It will catalyze discussions among global academic leaders, members of Indian Diaspora and policy makers in India, on the future of higher education in India.

#### Facilitate knowledge transfer

It will facilitate knowledge transfer and partnerships for mutual benefit between globally leading institutions and the ones in India.

# Developing mechanism for contribution

It will also pave the way for developing mechanisms for the Indian Diaspora to contribute to the excellence of Higher Education in India.

### **MEDIA COVERAGE**

### FINANCIAL EXPRESS

Higher Education Foundation to create a platform to bring together higher educators and researchers waterest the LLS prod frame or as in bring the party



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#### Vermont News

Collaboration to transform higher education in India takes shape with Visioning Workshop 2022 in Washington

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The Roundation against to courts a unique platfarm to bring together higher educators and researchers of Indian orgin and orginizes the world's largest multiductativity continents on strategy and transformation of higher relacation in India and beyond.

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**Collaboration To Transform Higher Education in India Takes Shape** With Visioning Workshop 2022 in Washington

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COLLABORATION TO TRANSFORM HIGHER EDUCATION IN INDIA TAKES SHAPE WITH VISIONING WORKSHOP 2022 IN WASHINGTON

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HIGHER **EDUCATION** FOUNDATION USA









**Embassy of India** Washington, D.C., USA