

## **4<sup>th</sup> ACITE-CII University-Industry Congress & Global Higher Education Summit** 20-22 November 2014, India Expo Centre, Greater Noida

### **The Context**

CII's work in higher education is focused on promoting industry-academia linkages so that the output of academia improves in quality and industry benefits from a steady supply of high-caliber human resource. To work towards this goal, CII has created a platform called University-Industry Congress ([www.cii-uic.in](http://www.cii-uic.in)). It is an initiative to stimulate industry-academia collaborations through organization of workshops, global and national conferences and regional seminars. An annual survey of industry linkages of technical institutes is also conducted under this platform. Conducted in partnership with the All India Council for Technical Education (AICTE) every year, it leads to industry awards for institutes in various categories. Since 2012, when this survey was started, approximately 2,000 technical institutes have benefited from its self evaluatory process.

University-Industry Congress (U-I Congress) has evolved from University-Industry Council (U-I Council) which CII had set up in 2007. Since January 2012, when the survey with AICTE was started, it is called AICTE-CII University-Industry Congress.

### **From U-I Council to U-I Congress**

It was in May 2007, that CII took the proactive step of providing a platform for industry to interact with universities for knowledge sharing and catalyzing several joint activities either collectively or bilaterally by forming the University-Industry Council (U-I Council). The aim of the Council was to facilitate a fruitful cooperation between the universities and industry, essential for building and strengthening the human capital of India. The University-Industry Council had representation from heads of universities -- Central, state, deemed and open; senior members of industry; eminent educationists; education bodies such as UGC, AICTE and CII. In 2011, the U-I Council was enlarged into a University-Industry Congress.

### **U-I Council Symposiums**

Since 2007 nine in the series of University-Industry Council symposiums have been held in different parts of the country:-

- First symposium was held in New Delhi
- Second in Mumbai
- Third in Puducherry, at Pondicherry University
- Fourth in Shibpur, at Bengal Engineering and Science University (BESU, now called Indian Institute of Engineering, Science and Technology)
- Fifth at Nagaland University
- Sixth in Bangalore
- Seventh in Kolhapur, at Shivaji University
- Eighth in Jammu, at Jammu University
- Ninth in Kolkata, at Jadavpur University

The aim of these symposia has been to:

- Create a platform for industry-academic collaboration
- Promote creation of innovation centres to act as a bridge between universities and industry
- Provide a conducive environment for both sides to discuss their issues and concerns
- Raise awareness level about the need to interact on a proactive basis
- Make academia understand that interaction with industry goes beyond placements

#### **4<sup>th</sup> AICTE-CII University Industry Congress**

CII has been organizing a global-level higher education summit under AICTE-CII University-Industry Congress for the past four years. Along with policy dialogue sessions with government and presentation of policy recommendations, industry awards are given at this summit and several well-documented reports and knowledge papers are released. It is time for all stakeholders to come at one place and share the work they have been doing in their respective domains throughout the year.

In 2014, CII has increased the scope of its work with industry and academia by launching the third edition of the AICTE-CII Survey of Industry-Linked Technical Institutes which leads to industry awards for top technical institutes; by increasing the scope of coverage of Prime Minister's Fellowship Scheme for Doctoral Research by making it open-ended and giving opportunity to any PhD student to apply for it in partnership with industry any time during the year.

In November, the 4<sup>th</sup> edition of AICTE-CII University-Industry Congress will be held where there will be policy dialogue sessions on New Education Policy: Industry's Expectations; University-Industry Collaboration for Innovation and Excellence; Research Partnerships between Industry and Institutes; Community Colleges: The New Paradigm of Skilling India and Global Partnerships in Indian Context. There will be high-level participation from government, academia, industry, education service providers, global universities and global agencies in these initiatives.

This summit will be held under the aegis of Knowledgexpo for the first time. Knowledgexpo is an umbrella brand created by CII, along with several partners from the government and industry, to bring its knowledge-related activities at a single platform. These include higher education, intellectual property, design, industrial R&D, innovation and entrepreneurship. A high-level, multi-sectoral exhibition will be the highlight of Knowledgexpo and will see participation from premier academic institutions of India as well as government and industry.

#### **EduExpo**

For the first time in India, all premier institutes will come together to showcase their prowess at one place under exclusive brands. There will be IIT Pavilion, NIT Pavilion, IISER Pavilion, IIIT Pavilion, IEST Pavilion and the IISc Pavilion. All top industry-linked technical institutes will be participating in the expo such as College of Engineering Pune, Walchand

Institute of Technology, PSG Institute, Thiagaraja Institute, Kongu Engineering College and several others. Among service providers there will be Microsoft Education, Intel India, Wiley India and others. Among the overseas educational institutes present there will be Deakin University Australia and universities from Spain, Netherlands, UK and European Union. This will be a platform for Indian education institutes and companies to discuss their endeavors in the area of industry-institute partnerships and forge linkages in higher education, vocational education, skill development, innovation and research thus creating avenues for bigger and better collaborations.

**Government Institutions****IIT Pavilion - Confirmed IITs**

- IIT Bhubaneswar
- IIT Bombay
- IIT Gandhinagar
- IIT Guwahati
- IIT Hyderabad
- IIT Indore
- IIT Jodhpur
- IIT Kanpur
- IIT Kharagpur
- IIT Madras
- IIT Mandi
- IIT Roorkee
- IIT Ropar



**NIT Pavilion - Confirmed NITs**

- NIT, Calicut
- NIT Surathkal

**Private Institutions**

- ACCA
- Amity University
- Apeejay University
- College of Engineering Pune
- D Link Academy
- Defence Institute of Advanced Technologies
- Deakin University
- Entrepreneurship Institute of India
- Expedien
- Indian Career Education & Development Council
- Jaipur National University
- Jaypee University of Information Technology
- Kongu Engineering College
- Manav Rachna International University
- Max Institute of Healthcare & Research
- PSNA College of Engineering & Technology
- PSG - STEP
- TA PAI Management Institute
- The Glocal University
- Thiagrajar College of Engineering
- Walchand Institute of Technology
- Wiley India

**Leading Indian Institution Exhibitors**

 DSK Institute	 Estd : 1984 Kongoo Engineering College	 College of Engineering, Pune	 IIT Bombay	 D-Link Academy Growth Through Networking Education
 IIT Indore	 IIT Kanpur	 IIT Kharagpur	 IIT Madras	 IIT Guwahati
 IIT Roorkee	 IIT Varanasi	 PSG College of Engineering	 Manav Rachna University	 Thiagarajar College of Engineering
 PSNA College of Engineering & Technology	 Walchand Institute of Technology	 Jaypee University of Information Technology	 T. A. Pai Management Institute	 NIT Surathkal

**Partners 2014**



**Ministry of Human Resource Development  
Government of India**



**State Governments**



**Department of Science & Technology  
Government of India**



**All India Council for Technical Education**



**Association of Indian  
Universities**



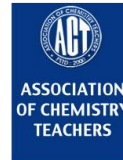
**Indian National Academy  
of Engineering**



**Indian & Overseas  
Academic Institutions**

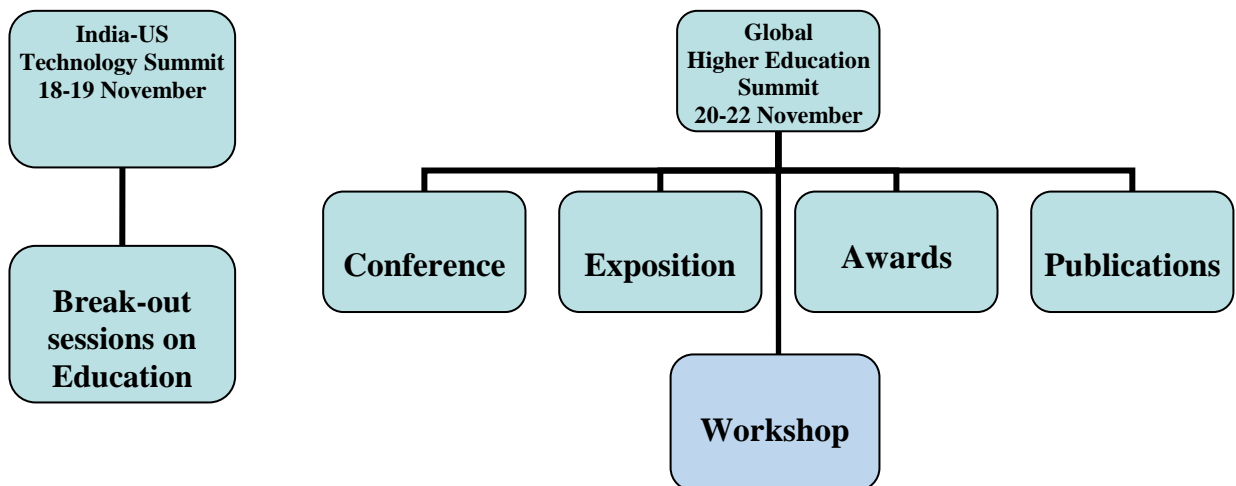


**Indian Public Sector  
Companies**



**Indian Private Sector  
Companies**

**Elements of Education Track from 18-22 November 2014**





## **Break-out Sessions on Education at India-US Technology Summit**

**18 November, 2014; 12:00 – 13:30 Hrs**

### **Tech-Tonic 1: Roundtable on Innovation and Excellence in Education (Track K-12)**

The discussion would focus on some of the best practices at K-12 level which are sustainable and can be emulated by everybody. UNESCO's 21st century framework and how government, private sector and industry can collaborate to create models of excellence for schools which are sustainable and scalable, the importance of assessment in teaching and learning, holistic development and building leadership qualities in children and dynamics of peer-assisted learning will also be discussed.

**18 November, 2014; 15:00 – 16:45 Hrs**

### **Tech-Tonic 2: Class Room of the Future -- Flipped Learning (Track K-12)**

This will be a hands-on practical session where participants will be able to see the actual interface with latest technology which is capable of transforming the class-rooms and making education and learning more user-centric.

**18 November, 2014; 17:00 – 18:45 Hrs**

### **Tech-Tonic 3: Using Technology for Excellence and Improved Learning (Track Higher Education)**

Technology is the only answer in some areas of capacity building such as upgradation of teaching resources, providing supplementary support for better absorption of lessons, creating networks for sharing of knowledge and eliminating boundaries and distances in access to good quality resources, tools and services which aid and abet learning. This session will discuss how collaboration between universities, industry and government can lead to excellence and innovation in higher education.

**19 November, 2014; 10:00 – 11:45 Hrs**

### **Tech-Tonic 4: Technology-Enabled Innovations in Teaching and Learning (Track Higher Education)**

This will be a hands-on practical session where participants will be able to see the actual interface with latest technology which is capable of transforming the way students learn and absorb information and knowledge.

**19 November, 2014; 13:30 – 15:00 Hrs**

### **Tech-Tonic 5: Innovation, Employability and Entrepreneurship in Education (Track Vocational Education)**

This session will discuss the ways in which skill building efforts and vocational education can be made more relevant for future challenges and opportunities. There is a need to address societal issues, aspirational issues and making vocational education the desirable path for those who choose to opt out of the formal education system at an early stage. This session will discuss some of the ways in which these issues can be tackled.

**19 November, 2014; 16:00 – 17:30 Hrs**

### **Tech-Tonic 6: Developing Digital India (Track Vocational Education)**

Technology is now being deployed in more ways than could have been thought of till very recently. This is especially useful in building the backbone of a skilled India which needs to service not just the billion plus population of India but the 7 billion plus population of the entire world. This session will look at ways in which other countries are using technology for skill building efforts.

## Conference Themes 2014

**20 November, 2014; 1430 – 1600 Hrs**

### **Session 1: India's New Education Policy: Industry's Expectations**

Formulated in 1968, India's new education policy has undergone several changes over the years, the last having been made in 2005. While the basic ethos of learning and pedagogy will remain unchanged forever, the policy always needs to be in sync with the times. And 10 years is a long enough time to warrant amendments which make the education policy more responsive to the needs and requirements of today's time and generation. Industry is today much more integral to the entire ecosystem of human resource development than it ever was earlier. It needs to collaborate much more closely with institutes of higher learning, right from suggesting suitable changes in the curriculum to updating the knowledge base of faculty and sharing its research problems with them. It is only when the two sides will work together in a seamless fashion that fruits of collaboration will begin to emerge and benefit all segments of society. This session will look at some of industry's key expectations from the government on the new education policy.

**20 November, 2014; 1600 – 1730 Hrs**

### **Session 2: Status of Higher Education in States and Union Territories of India**

Coinciding with the launch of the National Higher Education Mission or the Rashtriya Uchchatar Shiksha Abhiyan (RUSA) of the Ministry of Human Resource Development, CII has been bringing out a report called the Annual Status of Higher Education in States and Union Territories of India or ASHE. The launch of this report every year is also an occasion for higher education secretaries of all state governments to converge in Delhi and discuss the relevant developments in their states.

**21 November, 2014; 1030 – 1200 Hrs**

### **Session 4: Session 5: Global Partnerships in Indian Context**

"Come, Make in India" is the hot new mantra of India Inc and a facilitator for that is the higher education system. It is our institutes of higher learning which are going to provide the right kind of manpower to build the confidence of global community in our human resource capability and for us to become the global hubs of manufacturing and R&D. Though foreign universities have for long been present in India in some form or the other, the need now is for their larger presence in bigger form. Is the regulatory environment conducive for that? Will global universities bring dedicated faculty for their Indian operations? Or will it mean a flight of faculty from already beleaguered and short-staffed Indian universities? Can India become a global hub for higher education? Does it have what it takes to become a sought-after destination for the global student community? This session will explore some of these key issues on globalization and internationalization of Indian higher education. The first edition of a joint report being brought out by CII along with the Association of Indian Universities (AIU) on Trends in Internationalisation of Indian Higher Education will also be released in this session. There will also be signing of MoUs between CII and two international organisations.

**21 November, 2014; 1200 – 1330 Hrs**

### **Session 6: Research Partnerships between Industry & Institutes**

Despite various government incentives to private sector to increase investment in R&D, there has not been a marked improvement in the scenario. Part of the problem is the dearth of high quality human resource in research. To attract top notch students in PhD programmes, the government and CII instituted the Prime Minister's Fellowship Scheme for

Doctoral Research in 2012. In a short span of time this scheme has created a tremendous pull from both industry and academia. This session will explore ways to increase research partnerships between industry and institutes through similar schemes.

**22 November, 2014; 1030 – 1200 Hrs**

**Session 4: University–Industry Collaborations for Improving Entrepreneurship through Innovation**

The cumulative strength of post-secondary students in India is approximately 14 million. With the third largest higher education systems in the world, India adds roughly 2 million students every year to its 600+ universities and over 45,000 colleges. This large-scale influx of potential job seekers in the market every year adds to the ones already present and increases pressure on the system. Since the absorption capacity of industry does not increase at a commensurate pace every year, it is essential that more and more students become job creators rather than job seekers. Instilling entrepreneurship in students is therefore is not only desirable but imperative and indispensable. Collaboration between industry and institutes is also essential to improve the productivity of the economy and increase the gross domestic product of the country.

**22 November, 2014; 1200 – 1330 Hrs**

**Session 3: Community Colleges: The New Paradigm for Skilling India**

Indian higher education system is characterized by three types of institutes – universities, stand-alone colleges, polytechnics. All three require basic minimum qualification for entry. This unfortunately leaves out a large percentage of those who drop out of the system after completing only the first few years of their education. A large part of learning also happens outside the formal system but there is no provision to recognize or certify it. To address this problem and to improve the skill level of those who are unable to either gain access to formal system of education or have had to drop out of it at some point, the government of India has decided to aggressively promote the community college system which is prevalent in the West and has shown good results. This session will bring heads of community colleges from select institutes from across the world with proven expertise in this field and enable interaction with those from the Indian side who are interested in this model.



**CII-IIE Workshop on Building Sustainable  
Global Academic Partnerships Awards**

**22 November, 2014; 0930 – 1000 Hrs**  
**Opening Session**

**22 November, 2014; 1000 – 1040 Hrs**

**World Café Exercise**

Internationalisation and globalization are the latest buzz words in Indian higher education. The purpose of the session is to give space for the participants to begin to identify what they bring to a partnership and a chance to begin reflecting on their own strengths. The session will encourage participants to explore the topic in depth through various rounds of discussions with multiple participants. This session would provide an opportunity of interaction between Indian institutes interested in forging global partnerships with heads and representatives of visiting institutes.

**22 November, 2014; 1040 – 1140 Hrs**  
**Session 1: Communication and Outreach Strategies**

After the intent comes the action. Institutes wanting to forge partnerships with global players need to have a firm communication and outreach strategy in place which clearly defines their strengths, competencies and the areas where they intend to strengthen their systems through collaborations. This session will help participants develop a strategy for partnerships by throwing up key points on how to situate the partnership in the institutional context, how to develop an administrative structure, how to choose the right partner and how to procure the tools to address these needs.

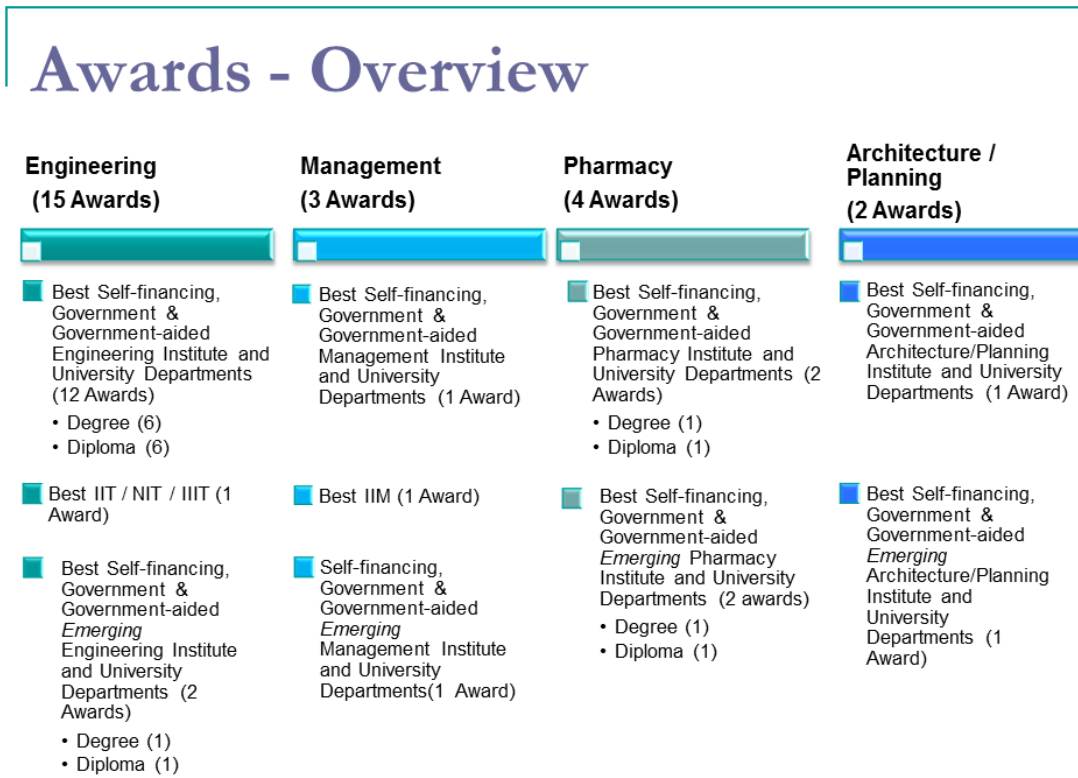
**22 November, 2014; 1150 – 1250 Hrs**  
**Session 2: Sustaining the Partnerships**

It is easier to sign memorandums of understanding and ink partnerships but difficult to sustain them. Unlike what partners tend to think, the real work on the collaboration begins after the MoU signing ceremony and not before it. Several MoUs end up becoming relics of history and only serve to adorn the files of institutes because of lack of understanding and work on how to take partnership forward. This session will provide the participants concrete tools for design and implementation of partnership programs which are effective and sustainable. Topics of discussion will include goals, timelines, managing potential conflict between partners, dealing with differences, and quality assurance.

## Awards

- **AICTE-CII Survey Awards 2014**

The 4<sup>th</sup> Global Higher Education Summit will witness the announcement of the results of the third edition of **AICTE-CII Survey of Top Industry-linked Technical Institutions**. The best institutions will be given AICTE awards, sponsored by CII member companies. Top institutes and faculty for best industry-linkages based on the survey will be recognized and felicitated in the following categories:



- **Best Chemistry Teacher 2014 Awards**
- **ISB-Richard Ivey Case Writing Competition 2014 Awards**

## Publications

1. Third Edition of AICTE-CII Survey Report 2014
2. Third Edition of ASHE Report -- Annual Status of Higher Education in States and Union Territories of India 2014
3. First Edition of CII-AIU Report on Trends in Internationalisation of Higher Education in India
4. First Edition of CII Directory of Top Industry-Linked Technical Institutes 2014

A national publication featuring the results of the AICTE-CII Survey will be published. CII will promote this publication both in India and overseas. This report will also carry the profiles of companies which have strong collaborations with institutes and are leaders in industry-institute linkages in India, with case studies. The profiles of Award Sponsors will be published in this report.