



Dr. Anirudh P Singh
Dean, Student's Affairs

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PTU PUNJAB
TECHNICAL
UNIVERSITY

Ref. PTU/DSA/2788

Dated 26/9/11

To

The Principal/ Directors
PTU Affiliated colleges

Subject: University-Industry Congress: Ranking of Top Industry-linked Academic Institutions.
Sir/Madam,

University –Industry Congress is an initiative to stimulate industry-academia collaborations both towards achieving excellence in higher education and also benefitting industry through producing quality human resource and research output. The key elements of this initiative will be ranking of higher educational institutes on their industry linkages; by capturing success stories and best practices of such linkages and by creating a roadmap for others to follow.

In 2011, the scope of the University-Industry Congress will be limited to Engineering Institutes and engineering departments of Universities in five streams, namely, Civil, Mechanical, Electronics, Electrical and Chemical. Their industry linkages will be captured through a survey and the feedback analyzed to arrive at best institutes in every stream. The Survey will focus on industry linkages of institutes and its will map the parameters those are relevant to industry linkages.

The instructions regarding Eligibility criteria, Process and Survey Framework are attached.

For detailed information contact Ms. Shalini Sharma (Contact No. 09810176604 and E-mail Id shalini.sharma@cii.in).

With Regards

Anirudh P. Singh
Dean (Student Affairs)

CC: Honb'le Vice-Chancellor

“Propelling Punjab to a prosperous Knowledge Society”

Anjan Das
Executive Director, Technology

13 September 2011

Dear Sir/Madam,

University-Industry Congress

Ranking of Top Industry-linked Academic Institutions

2011 Focus : Engineering Colleges/University Departments offering courses in Civil, Mechanical, Electronics, Electrical and Chemical Engineering streams

Introduction

Excellence in higher education is the key to success of any society and plays an important role in a nation's development. Globally, excellence in higher education and especially engineering education has thrived on robust industry linkages and collaborations. Producing employable Human Resource and contributing to social and economic development through research are two vital indicators of excellence of engineering institutions. In India, while we have a few success stories of such industry linkages, we still have to go a long way to match the global benchmark.

The Initiative

University-Industry Congress is an initiative to stimulate industry-academia collaborations both towards achieving excellence in higher education and also benefitting industry through producing quality human resource and research outputs. One of the key elements of this initiative will be ranking of higher educational institutes on their industry linkages; by capturing success stories and best practices of such linkages and by creating a roadmap for others to follow. In 2011, the scope of the University-Industry Congress will be limited to Engineering Institutes and engineering departments of Universities in five streams, namely, Civil, Mechanical, Electronics, Electrical and Chemical. Their industry linkages will be captured through a survey and the feedback analysed to arrive at best institutes in every stream. The Survey will focus on industry linkages of institutes and its will map the parameters those are relevant to industry linkages.

Eligibility Criteria

Stand-alone engineering institutes, whether government-owned, government aided or privately owned and engineering departments of universities, whether public, private or deemed, which fulfil the following criteria will be eligible for the Survey:

- Institutions offering bachelors degree in at least three among the five streams of Civil, Mechanical, Electronics, Electrical and Chemical Engineering
- Institutions approved by AICTE for at least last 10 years (for affiliated colleges). In case of University Departments, they should be in existence at least for 10 years. Those who were affiliated colleges recognised by AICTE and became universities later, the total period of existence should be at least 10 years.

Process

- Quantitative survey through a questionnaire
- Institutes will fill up the questionnaire and submit as an email attachment
- One submission by one institute only
- Survey will be completed during Sep-Oct 2011
- Data will be analysed and rankings will be arrived
- Two categories of rankings –Stream-wise and Overall ranking

- Rankings will be done regionally and nationally
- Top-ranked institutions will be featured in CII Compendium “India’s top industry-linked academic institutions” and given a “CII Award for Excellence in Higher Education on Industry linkage” both at the Regional and National level at “University-Industry Conclave” during Oct-Nov 2011.

Survey Framework

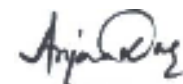
- This Survey will study the extent of industrial linkages in following broad parameters:
- Governance
- Curriculum
- Faculty
- Services to Industry
- Human Resource

What you should do

- Send a mail to shalini.sharma@cii.in to express your willingness to participate (by September 20, 2011) with details of the contact point from your institute.
- Fill up the attached questionnaire and send by email as an attachment on or before September 30, 2011 to shalini.sharma@cii.in
- Contact Shalini S. Sharma at +919810176604 for any query.

We look forward to receiving your response.

Yours faithfully,



Anjan Das



Confederation of Indian Industry

University-Industry Congress

Ranking of Top Industry-linked Academic Institutions

2011 Focus : Engineering Colleges/University Departments offering courses in Civil, Mechanical, Electronics, Electrical and Chemical Engineering streams

This is an initiative of the Confederation of Indian Industry (CII) to study the linkages of engineering colleges/ engineering departments of Universities.

1. About Your Institute

1.1 Name of the nodal person for this survey

1.2 Name of the institute/ college/ university department

1.3 University affiliation (wherever applicable)

1.4 Address

1.5 Contact number

1.6 Fax number

1.7 Email id

1.8 Tick the discipline taught by your institute.

Stream	B.Tech	M.Tech	PhD
Civil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electronics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chemical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby certify that the data filled in the questionnaire by me on behalf of my institute is correct and accurate to the best of my knowledge and that there is no lawful ground of objection on this information. I also accept that if any false disclosures are brought to notice at a later date, the given ranking, if any, will be withdrawn.

By the present undertaking, I take to indemnify the Confederation of Indian Industry (CII) for any loss or damage caused by any false declaration or undertaking by me.

Signature

Date

Place

2. Governance

2.1 Composition of Board of Governors (BoG).

Year	Number of members on BoG	How many members are from industry	Names & contact details of industry members	Which stream do the industry members belong to
Year 10				
Year 9				
Year 8				
Year 7				
Year 6				
Year 5				
Year 4				
Year 3				
Year 2				
Year 1				

2.2 Frequency of BoG meetings.

Year	Number of BoG meetings	Number of meetings where all industry members were present	Number of meetings where no industry member was present
Year 10			
Year 9			
Year 8			
Year 7			
Year 6			
Year 5			
Year 4			

Year 3			
Year 2			
Year 1			

2.3 Give a few major examples of how the participation of industry members has influenced the BoG decisions which in turn has had a beneficial impact on your institute as a whole.

3. Curriculum

3.1 Modifications to suit industry requirement.

Streams	Year in which changes were made	Indicate the type of changes & their scope	How many of these changes (col:2) were influenced by the needs of industry	How many of these changes (col:2) incorporate hands-on work
Civil				
Mechanical				
Electronics				
Electrical				
Chemical				

3.2 What kind of soft skills are imparted to students all through the semester? (Give numbers on a scale of 1 to 5 with 1 denoting basic lessons limited to one-two lectures and 5 denoting intensive full-length course the outcome of which was assessed at the end through an exam or test)

Language Skills	
Presentation Skills	

Teamwork Skills	
Organisational Skills (seminars, conferences, sports, events etc)	
Any other specific industry-oriented skill	

3.3 Do you provide special awareness/ orientation visit of students to industries/ cluster of industries/ industrial exhibitions, other problem solving visits (pollution control, lake management, etc)? Give numbers on a scale of 1 to 5 where 1 denotes mere awareness visit once in a while and 5 denotes intense interaction leading to industry internship by students or resulting in projects.

Stream	Industrial visit	Exhibition / local cluster
Civil		
Mechanical		
Electronics		
Electrical		
Chemical		

3.4 Do you provide any special refresher executive courses for industry? If yes, then how many in a year?

Stream	Refresher / Executive courses	Total number of courses	Number of persons covered in a year
Civil			
Mechanical			
Electronics			
Electrical			
Chemical			
Multi-disciplinary			

4. Faculty

4.1 Composition and strength of faculty.

Stream	Number of faculty	How many have minimum of one year in other career	Number of faculty with industry experience	Number of faculty who attend at least one industry seminar/exhibition in a year or go for industry visit
Civil				
Mechanical				
Electronics				
Electrical				
Chemical				

4.2 Number of visiting faculty from industry in a year.

Stream	One day	One week	More than a week	Regular visiting faculty
Civil				
Mechanical				
Electronics				
Electrical				
Chemical				
Multi-disciplinary				

4.3 Do you have a faculty development programme where your existing faculty gets exposed to industrial situations? Give answer on a scale of 1 to 5 where 1 means

scanty, not covered many people, not well structured and 5 means well-structured, integrated programme as a policy covering all faculty systematically.

Regular industrial visits

Persons/industry experts for mentoring your faculty

Weightage to industrial interaction for faculty's assessment

4.4 How many of your administrators or faculty members are on the boards of industry?

5. Services provided to industry

5.1 Do you have any joint centre/unit/cell with active participation of one or more industry or an industry association? This need not necessarily be 50-50 share or 100% share by industry. But there has to be some financial contribution by industry (say 10% or more). It may have government / other agencies as partners as well.

Name of the centre / unit / cell	Year of establishment	Industry partner	Current status	Approximate budget/annual turnover

5.2 How many consultancy projects did you get in the last 5 years?

Stream	Number of projects	Average money earned in last 5 years
Civil		
Mechanical		
Electronics		

Electrical		
Chemical		

5.3 How many R&D projects did you get in the past 5 years?

Streams	Number of projects	Average money earned in last 5 years
Civil		
Mechanical		
Electronics		
Electrical		
Chemical		

5.4 How many technology transfers took place in last 5 years?

Streams	Number of technology transfers	Average money earned in last 5 years
Civil		
Mechanical		
Electronics		
Electrical		
Chemical		

5.5 How many IPRs were earned by your institute in the last 5 years?

Streams	Number of IPRs	Number transferred to industry
Civil		
Mechanical		
Electronics		

Electrical		
Chemical		

6. HR Output

6.1 Civil Engineering

Year	Number of students coming who passed out	Number of students who got placement	Who are the key employers
2011-12			
2010-11			
2009 - 10			
2008- 09			
2007 - 08			

6.2 Mechanical Engineering

Year	Number of students coming who passed out	Number of students who got placement	Who are the key employers
2011-12			
2010-11			
2009 - 10			
2008- 09			
2007 - 08			

6.3 Electronics Engineering

Year	Number of students coming who passed out	Number of students who got placement	Who are the key employers
2011-12			
2010-11			
2009 - 10			
2008- 09			

2007 - 08			
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6.4 Electrical Engineering

Year	Number of students coming who passed out	Number of students who got placement	Who are the key employers
2011-12			
2010-11			
2009 - 10			
2008- 09			
2007 - 08			

6.5 Chemical Engineering

Year	Number of students coming who passed out	Number of students who got placement	Who are the key employers
2011-12			
2010-11			
2009 - 10			
2008- 09			
2007 - 08			

6.6 Do you have regular special classes for imparting entrepreneurship to your students? Give a brief of such efforts in the past 3 years.

6.7 Total number of such courses during past 5 years

6.8 Total number of such students covered in the above courses

6.9 Do you have special facilities for incubating entrepreneurs with your or other funds?

6.10 Describe the budgets for the same

6.11 How many incubatees can be accommodated at a given time?

6.12 Total annual budget of the center on such efforts (without taking into account the money spent by the incubator). Give answers in rupees in lakh.

0–20

20–50

Above 50

6.13 Number of successful incubatees. Name them.

6.14 Current turnover of their company.

Anything else you want to add which is indicative of the level of performance in respect to industry. Give specifics / dates with activities.