



Confederation of Indian Industry

## **ACITE-CII Survey of Industry-linked Engineering Institutions**

### **Research Methodology**

The survey is done in 2 phases.

Phase 1: In this phase, ACITE and CII team did an exhaustive desk research to decide who would be invited to be a part of the survey. We selected AICTE approved engineering institutes & University departments which have been in existence for atleast 10 years as on 1<sup>st</sup> August 2012 and were offering a minimum 3 of the following engineering courses for atleast 10 years as on 1<sup>st</sup> August 2012:

- Chemical Engineering
- Civil Engineering
- Computer & IT Engineering (taken together)
- Electrical Engineering
- Electronics & Communication Engineering
- Mechanical Engineering.

Phase 2: The institutions short-listed in Phase 1 will fill in their survey responses through their AICTE institute login ID. The data will be compiled on the basis of objective data provided by institutes and subjective analysis of the jury.

### **Ranking**

The objective scores will be obtained by evaluating the institutes against the following parameters:

- Governance
- Curriculum
- Faculty

- Infrastructure
- Services
- Entrepreneurship
- Placements

The weightages given to these parameters are as follows:

Governance (10%), Curriculum (15%), Faculty (15%), Infrastructure (10%), Services (20%), Placements (20%), Entrepreneurship (10%).

These parameters are further categorized into sub-parameters. This was done in the following manner.

- Governance
  - Number of Industry members on Board of Governors
  - Percentage of Industry members attending BoG meetings last year
  - Number of Industry members on Institute's committees
  - Percentage of Industry members attending committee meetings last year
- Curriculum
  - Number of courses that received amendments after inputs from industry
  - Average duration of Industrial training/ internship
  - Number of Industry visits for students
  - Number of students visiting industry
  - Number of Industry guest lectures/ seminars conducted
- Faculty
  - Number of executive programmed provided by faculty to industry executives
  - Number of Industry executives attending such courses
  - Number of faculty members on the boards of industry

- Number of faculty members provided in-company training/ lecture are to industry
- Number of programmes attended/ trainings received by faculty from industry
- Number of faculty members who have sent/ presented papers to industry
- Number of faculty patents adopted by industry into products
  
- Infrastructure
  - Number of centers/ units/ cells financially supported by industry
  - Percentage of financial contribution by industry in the unit
  
- Services
  - Number of research projects assigned to institute during 2007-12
  - Number of technology transfers to industry during 2007-12
  - Number of consultancy/ advisory services provided to industry during 2007-12
  - Number of infrastructures used by industry during 2007-12
  - Number of testing services provided to industry during 2007-12
  
- Placements
  - Number of students offered jobs from campus in 2011-12
  - Number of students offered jobs from campus during 2007-12
  - Number of students offered jobs in respective core companies in 2011-12
  
- Entrepreneurship
  - Number of companies providing mentoring/ teaching/ funding to incubatees during 2007-12
  - Number of innovation initiatives supported by industry during 2007-12

The composite score, which is the total of the objective data score and the jury subjective score, will be used to arrive at the final ranking.

**Analysis Methodology:** All the absolute data provided by the institutions will be normalized and converted to relative data to evaluate the relative distance among the institutes across different parameters. After normalization the data will be multiplied with respective weights of each parameter and then the total objective score calculated.

**Validation Process:** ACITE or CII can ask for any documents from the institutes to validate the information provided by them in the online survey. Apart from this, if required, AICTE and CII can verify the data provided from secondary sources.