



Confederation of Indian Industry

## AICTE – CII Survey of Industry-Linked Technical Institutes 2020

### **Institutes Eligible to Participate in Full Survey**

The seventh edition of the survey is open to all degree and diploma granting institutes in Engineering, Management, Pharmacy and Architecture which had filled Short Survey at the time of Approval Process 2020. On the basis of the Short Survey, institutes which fulfill the following basic criteria have been invited to participate in the Full Survey: -

1. Institutes which have been working with at least 100 or more companies in the past 2 years
2. Institutes which send at least 80 per cent or more students for internships in industry every year
3. Institutes which had filed at least 1 or more patent in the past 2 years
4. Institutes which had received funds of Rs 20 lakh or more from industry in past 2 years
5. Institutes which had received 70 or more live projects from industry in past 2 years
6. Institutes which had earned at least Rs 35 lakh or more from industry projects
7. Institutes which had created at least 5 start-ups in the past 2 years

### **Types of Courses**

**Engineering:** Degree and Diploma courses in Chemical and Allied, Civil and Allied, Computer / IT and Allied, Electrical and Allied, Electronics and Allied & Mechanical and Allied

**Management:** Degree and Diploma courses in Management

**Pharmacy:** Degree and Diploma courses in Pharmacy

**Architecture:** Degree courses in Architecture and Planning

### **Award Categories**

**Standard:** The course should have been in offering for 10 years or more as on 1 April 2020

**Emerging:** The course should have been in offering for less than 10 years as on 1 April 2020

**NOTE:** Age criteria is applicable to every course separately. It will not be calculated as per the age of the institute.

### **How to Participate in Full Survey**

The AICTE-CII Survey is an online survey which is hosted on the server of AICTE at [www.aicte-india.org](http://www.aicte-india.org).

Institutes which have received information from AICTE about their being shortlisted for the second stage of data collection, i.e., the Full Survey, should log in to their AICTE portal and click the tab “CII Questionnaire”.

The “CII Questionnaire” tab is itself the online application form. There is no separate downloadable application form for the Full Survey. For ease of filling the data, institutes have been provided the facility of exporting data from their hard drives to the AICTE server.

A detailed help manual is available separately on the AICTE portal to provide step-by-step assistance. This Help Manual can be downloaded for easy understanding and reference. It is advised that institutes first download the Help Manual and collect all the data related to all streams. Those institutes which do not have an AICTE login ID can write to [ravi.hira@cii.in](mailto:ravi.hira@cii.in) or [Shalini.sharma@cii.in](mailto:Shalini.sharma@cii.in) for generation of special ID for the purpose.

### **Feedback analysis of Full Survey**

Institutes which participate in the Full Survey will be eligible to receive Feedback analysis. For this they will have to separately register with CII and fulfil the necessary terms and conditions. Feedback analysis will be analysis of the institute’s overall performance on industry parameters. Institutes desirous of receiving stream-wise analysis and institute-wise Report Cards can register separately for the same with CII. Emails regarding the same should be sent to [Shalini.sharma@cii.in](mailto:Shalini.sharma@cii.in) or [ravi.hira@cii.in](mailto:ravi.hira@cii.in).

### **Methodology**

Since this is an online survey, institutes have to fill all the data while being logged on to the AICTE web-portal. For Curriculum Input, Faculty, Services / Projects & Skills Development & Placements, two-year data (2018-19 & 2019-20) needs to be provided, whereas for Governance & Infrastructure only one-year (2019-20) data is sufficient.

To facilitate ease of filling the data, it is advisable that institutes first download the Help Manual and collect all the data related to all streams. Only one application form is required to be filled by one institute for all streams.

At the end of the survey, the application generates an indicative objective score which is used only as a reference point to create a second shortlist of institutes for third stage of evaluation. The indicative objective scores obtained are placed before a high-level jury comprising experts from industry and academia. The jury gives a third shortlist of institutes for verification and further evaluation. The shortlisted institutes are asked to upload documents in support of their data on a portal. Final evaluation is done by a high level jury and the list of final winners prepared. The results of the survey are binding on all institutes.

All cases of arbitration will be referred to the chairman of the jury and his word will be final in any matter of dispute.

## Parameters for Full Survey

The institutes are evaluated on their industry linkages on the following six parameters in every stream separately:

- Governance
- Curriculum
- Faculty
- Infrastructure
- Services / Projects & Skills Development
- Placements

The weightages given to these parameters are as follows:

<u>Parameter</u>	<u>Degree Courses - Weightage</u>	<u>Degree Courses - Maximum Score</u>	<u>Diploma Courses - Weightage</u>	<u>Diploma Courses - Maximum Score</u>
Governance	10%	7	5%	7
Curriculum	20%	17	25%	20
Faculty	20%	29	20%	28
Infrastructure	10%	10	10%	10
Services / Projects & Skill Development	20%	18	20%	17
Placements	20%	19	20	18
<b>Total</b>	<b>100%</b>	<b>100</b>	<b>100%</b>	<b>100</b>

The absolute score is divided by the maximum score and multiplied by weightage to obtain the weighted score for every parameter. The sum of weighted scores across the six parameters is the objective score of the institute for a particular stream.

These parameters are further categorized into sub-parameters (year, wherever mentioned is to be considered as academic year):-

<b>INSTITUTES OFFERING DEGREE PROGRAMMES</b>	
<b>Parameters</b>	<b>Structured Questions</b>
1. FACULTY	<ul style="list-style-type: none"> <li>• Percentage of faculty members who provided training / lectures to industry during 2018-20</li> <li>• Percentage of faculty members on the boards of industry / advisory, academic councils / statutory university bodies</li> <li>• Number of man-days of refresher courses provided by faculty to industry executives during 2018-20</li> </ul>

	<ul style="list-style-type: none"> <li>• Number of man-days of programmes attended/ trainings received by faculty from industry during 2018-20</li> <li>• Number of faculty patents, design and other IPRs except copyrights of books in 2018-20 GRANTED</li> <li>• Number of faculty patents, design and other IPRs except copyrights of books in 2018-20 FILED</li> <li>• Percentage change in the number of patents filed and granted in 2019-20 over 2018-19</li> <li>• Number of papers jointly authored with industry</li> </ul>
2. PLACEMENTS	<ul style="list-style-type: none"> <li>• Number of companies with stream / specialization specific job profile coming to Campus</li> <li>• Number of students offered jobs from campus during 2018-20</li> <li>• Number of students offered jobs in specialization / stream specific companies in 2018-20</li> <li>• Number of students who opted for self-employment / setting up social enterprise / setting up a company / starting a consultancy firm</li> <li>• Incremental change in the number of companies which came to the campus in 2019-20 over 2018-19</li> </ul>
3. CURRICULUM	<ul style="list-style-type: none"> <li>• Number of companies providing Industrial training / internship</li> <li>• Number of Industry visits for students</li> <li>• Percentage of visiting faculty from industry as compared to core faculty</li> <li>• Number of Industry guest lectures / seminars conducted</li> <li>• Incremental change in curriculum in 2019-20 over 2018-19</li> </ul>
4. RESEARCH / CONSULTATION	<ul style="list-style-type: none"> <li>• Number of Contractual Research projects assigned to institute during 2018-20</li> <li>• Number of Technology Transfers to industry during 2018-20</li> <li>• Number of Consultancy / Advisory Services provided to industry during 2018-20</li> <li>• Incremental change in the number of industry research / consultation projects received in 2018-19 and 2019-20</li> </ul>
5. INFRASTRUCTURE	<ul style="list-style-type: none"> <li>• Number of centres / units / cells financially supported by industry</li> <li>• Percentage of financial contribution by industry in the unit</li> <li>• Number of companies which provided mentorship support in incubation centres / entrepreneurship cell</li> </ul>
6. GOVERNANCE	<ul style="list-style-type: none"> <li>• Number of industry members on BoG / advisory council meetings</li> <li>• Percentage of Industry members attending BoG meetings / advisory council meetings</li> </ul>

### INSTITUTES OFFERING DIPLOMA PROGRAMMES

Parameters	Structured Questions
1. FACULTY	<ul style="list-style-type: none"> <li>• Percentage of faculty members who provided training / lectures to industry during 2018-20</li> <li>• Percentage of faculty members on the boards of industry / advisory, academic councils / statutory university bodies</li> <li>• Number of man-days of refresher courses provided by faculty to industry executives during 2018-20</li> <li>• Number of man-days of programmes attended / trainings received by faculty from industry during 2018-20</li> <li>• Number of faculty patents, design and other IPRs except copyrights of books in 2018-20</li> </ul>

		20; GRANTED and FILED
2.	PLACEMENTS	<ul style="list-style-type: none"> <li>Number of papers jointly authored with industry</li> <li>Number of companies with stream / specialization-specific job profile which came to the campus</li> <li>Number of students offered jobs from campus during 2018-20</li> <li>Number of students offered jobs in specialization / stream-specific companies in 2018-20</li> <li>Number of students who opted for self-employment / setting up social enterprise / setting up a company / starting a consultancy firm</li> </ul>
3.	CURRICULUM	<ul style="list-style-type: none"> <li>Number of companies which provided industrial training / internship</li> <li>Number of industry visits for students</li> <li>Percentage of visiting faculty from industry as compared to core faculty</li> <li>Number of industry guest lectures / seminars conducted</li> <li>Number of times the curriculum was updated between 2018-20</li> </ul>
4.	SERVICE OR PROJECTS & SKILLS	<ul style="list-style-type: none"> <li>Number of persons trained under skill development programmes with industry participation during 2018-20</li> <li>Number of projects done for social responsibility and community development with industry participation during 2018-20</li> <li>Revenue generated through sale of products manufactured in the institute during 2018-20</li> </ul>
5.	INFRASTRUCTURE	<ul style="list-style-type: none"> <li>Number of centres / units / cells financially supported by industry</li> <li>Percentage of financial contribution by industry in the unit</li> <li>Number of companies which provided mentorship support in incubation centres / entrepreneurship cell</li> </ul>
6.	GOVERNANCE	<ul style="list-style-type: none"> <li>Number of industry members on board of governors or advisory councils or academic Committees</li> <li>Percentage of industry members who attended the meetings of board of governors or advisory councils or academic committees</li> </ul>

## **Outcome**

- A. At the end of the survey, awards and citations will be given in the following categories for:
1. Best Industry-Linked Chemical & Allied Engineering Institute (Degree)
  2. Best Industry-Linked Civil & Allied Engineering Institute (Degree)
  3. Best Industry-Linked Computer / IT & Allied Engineering Institute (Degree)
  4. Best Industry-Linked Electrical & Allied Engineering Institute (Degree)
  5. Best Industry-Linked Electronics & Allied Engineering Institute (Degree)
  6. Best Industry-Linked Mechanical & Allied Engineering Institute (Degree)
  7. Best Industry-Linked Chemical & Allied Engineering Institute (Diploma)
  8. Best Industry-Linked Civil & Allied Engineering Institute (Diploma)
  9. Best Industry-Linked Computer / IT & Allied Engineering Institute (Diploma)
  10. Best Industry-Linked Electrical & Allied Engineering Institute (Diploma)
  11. Best Industry-Linked Electronics & Allied Engineering Institute (Diploma)
  12. Best Industry-Linked Mechanical & Allied Engineering Institute (Diploma)
  13. Best Industry-Linked Emerging Engineering Institute (Degree)
  14. Best Industry-Linked Emerging Engineering Institute (Diploma)
  15. Best Industry-Linked NIT / IIT / IIIT
  16. Best Industry-Linked IIM
  17. Best Industry-Linked Management Institute
  18. Best Industry-Linked Emerging Management Institute
  19. Best Industry-Linked Pharmacy Institute (Degree)

20. Best Industry-Linked Pharmacy Institute (Diploma)
21. Best Industry-Linked Emerging Pharmacy Institute (Degree)
22. Best Industry-Linked Emerging Pharmacy Institute (Diploma)
23. Best Industry-Linked Architecture/Planning Institute
24. Best Industry-Linked Emerging Architecture / Planning Institute