



**IIRF RANKING OF INDIAN ENGINEERING COLLEGES  
SURVEY- 2022**



## Introduction:

Namaste! Sir/Madam,

Maction Consulting Pvt. Ltd. is a full-service research and consulting firm based in Ahmedabad, India. We are conducting a study for the Indian Institutional Ranking Framework (IIRF). The objective of this Ranking of Engineering Colleges study is to provide internationally comparable data on key aspects of various institutes attributes, such as Placement Performance, Teaching Learning Resources & Pedagogy, Research Industry Tie-Up and Integration, Placement Strategies & Support, Future Orientation, and External Perception and rank them to find Top Engineering Colleges. In this regard, I would be incredibly grateful to you if you could spare some time and provide us your valuable inputs by participating in this study. Your answers will be kept confidential, and your name shall not be mentioned without your consent. Your responses will be aggregated with other responses analysed and shared with the client. Thank you.

Please note that your response should be based on the **previous academic year 2020-21**.

The Scoring Pattern is explained as below:

No.	Dimension	Maximum Marks
1	Placement Performance	100
2	Teaching Learning Resources & Pedagogy	100
3	Research (Volume, Income and Reputation)	100
4	Industry Income and Integration	100
5	Placement Strategies & Support	100
6	Future Orientation	100
7	External Perception & International Outlook	100

*Note: In case, any detail is not available, please mention 'Not Available'.*

*Note: In case, any detail is not provided for any head, Maction and IIRF will search for the same data from web sources/previously published reports etc.*

1. QUESTIONNAIRE: INSTITUTIONAL BACKGROUND						
1.1	Name of Institute					
1.2	Address					
		City:	Pin:	State:		
1.3	Tel.		Mobile			
1.4	E-mail		Website			
1.5	Name of Dean/Principal					
	Contact No.					
	E-mail					
1.6	Year of Establishment		Is approved by AICTE/UGC	Yes	/	No
1.7	University Affiliation (name)					
1.8	Name of Trust that established the institute					
1.9	Name of the Trust & Chairman					
1.10	Overseas campuses (if any)	Sr. No.	Name	City	Name of other Institute/University Tie-up	Year
		1				
		2				

1.11 Please assign how much importance is given by your institute for the following parameters.

No.	Parameter	Out of 100%
1	Placement Performance	_____%
2	Teaching Learning Resources & Pedagogy	_____%
3	Research (Volume, Income and Reputation)	_____%
4	Industry Income and Integration	_____%
5	Placement Strategies & Support	_____%
6	Future Orientation	_____%
7	External Perception & International Outlook	_____%
	<b>Total should Tally</b>	100%

2.		ACADEMIC PROGRAMMES 2020-21: Regular Courses only		
		Programmes Offered (B.E)		
		Programme	Duration (Years)	No. of Students
2.1.	B.E	Aeronautical Engineering		
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering		
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering		
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering		
		Electrical & Electronics Engineering		
		Electrical Engineering		
		Electronics & Communication Engineering		
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
		Industrial Bio-Technology		
		Industrial Engineering		

2.1	B.E	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Thermal Engineering		
Others (Mention)_____				
Others (Mention)_____				
			Total No. of Students	

Note:

**Programmes Offered (B. Tech)**

		<b>Programme</b>	<b>Duration (Years)</b>	<b>No. of Students</b>
2.2.	B.Tech	Aeronautical Engineering		
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering		
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering		
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering		
		Electrical & Electronics Engineering		
		Electrical Engineering		
		Electronics & Communication Engineering		
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
Industrial Bio-Technology				
Industrial Engineering				

2.2	B.Tech	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Thermal Engineering		
Others (Mention)_____				
Others (Mention)_____				
			Total No. of Students	

Note:

Programmes Offered (M.E)				
		Programme	Duration (Years)	No. of Students
2.3.	M.E	Aeronautical Engineering		
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering		
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering		
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering		
		Electrical & Electronics Engineering		
		Electrical Engineering		
		Electronics & Communication Engineering		
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
		Industrial Bio-Technology		
		Industrial Engineering		



2.3	M.E	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Textile Technology/ Engineering		
Thermal Engineering				
Others (Mention)_____				
Others (Mention)_____				
			Total No. of Students	

Note:

**Programmes Offered (M.Tech)**

		<b>Programme</b>	<b>Duration (Years)</b>	<b>No. of Students</b>
2.4.	M.Tech	Aeronautical Engineering		
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering		
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering		
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering		
		Electrical & Electronics Engineering		
		Electrical Engineering		
		Electronics & Communication Engineering		
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
Industrial Bio-Technology				
Industrial Engineering				

2.4	M.Tech	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Textile Technology/ Engineering		
		Thermal Engineering		
Others (Mention)_____				
Others (Mention)_____				
			Total No. of Students	

Note:

**Programmes Offered (Ph.D.)**

		<b>Programme</b>	<b>Duration (Years)</b>	<b>No. of Students</b>		
2.5	Ph.D.	Aerospace				
		Biotech				
		Chemicals				
		Civil				
		Computer Science				
		Electrical & Electronics				
		IT & Communication				
		Mechanical				
		Production/Industry				
		Others (Mention)_____				
		Others (Mention)_____				
					Total No. of Students	

*Note:*

**Programmes Offered**

		<b>Programme</b>	<b>Duration (Years)</b>	<b>No. of Students</b>
2.6	Other management related programs	MBA (all streams)		
		Others :		

*Note:*

3. PLACEMENT PERFORMANCE : 2020-21		
3.1.	Streams available (Engineering & Others)	<p><b>Please tick whichever is applicable:</b></p> <p>1. Aerospace <input type="checkbox"/></p> <p>2. Biotech <input type="checkbox"/></p> <p>3. Chemicals <input type="checkbox"/></p> <p>4. Civil <input type="checkbox"/></p> <p>5. Computer Science <input type="checkbox"/></p> <p>6. Electrical &amp; Electronics <input type="checkbox"/></p> <p>7. IT &amp; Communication <input type="checkbox"/></p> <p>8. Mechanical <input type="checkbox"/></p> <p>9. Production/Industrial <input type="checkbox"/></p> <p>10. Management <input type="checkbox"/></p> <p>11. Others (Mention) _____</p>
3.2.	Number of departments (Regular courses only)	
3.3.	Number of courses (Regular courses only)	
3.4.	Students: Approval vs. Actual Intake (2020-21) (all regular programs)	<p>Approval: _____ No.</p> <p>Actual intake: _____ No.</p>
3.5.	Total number of companies visited for recruitment	
3.6.	Of which, Number of Companies visited having turnover of 500 Cr. and above	
3.7.	Number of Placements offered (by 500 Cr. Companies): 2020-21	
3.8.	Of which, Number of companies visited having less than 500 Cr. turnover	
3.9.	Number of Placements offered (by less than 500 Cr. Companies): 2020-21	
3.10.	Percentage of Placements (%) (w.r.to total candidates passed out)	
3.11.	Minimum Salary/Annum of Students placed (In Rs. Lacs)	
3.12.	Maximum Salary/Annum of Students placed (In Rs. Lacs)	
3.13.	Median Salary/Annum of Students placed (In Rs. Lacs)	

<b>4.</b>		<b>TEACHING LEARNING RESOURCES &amp; PEDAGOGY</b>		
4.1.	No. of Faculty with Ph.D. (Permanent role)			
4.2.	No. of Faculty without Ph.D. (Permanent role) (But PG, PG with M.Phil. PG and currently doing Ph.D.)			
4.3.	No. of Part time/ Temporary Faculty			
4.4.	Average number of students per faculty(Faculty Student Ratio)			
4.5.	No. of Faculty Development Programs conducted by own faculty			
4.6.	No. of Faculty Development Programs conducted by external faculty/trainers			
4.7.	Number of Students completed Ph.D. or Equivalent Programme (full time/part time)			
4.8.	Faculty Performance Assessment/ Teaching Skills: Number of Articles Published in national Newspapers and standard magazines by faculties			
4.9.	Accreditation National Level (Mention Names)			
4.10.	Accreditation International Level (Mention Names)			
4.11.	No. of. Guest Lecturers arranged			
4.12.	No. of workshops arranged for Students			
<b>5.</b>		<b>RESEARCH: 2020-21</b>		
5.1.	Details of Ph.D. of senior faculties of your institution			
	Sr. No	Faculty Name	Subject of study	Institution from where Ph.D. is pursued
	1			
	2			
	3			

	4			
	5			
	6			
	7			
	8			
	9			
	10			

5.2. Number of research papers published by senior faculties of this Institution: 2020-21							
Sr. No	Faculty Name	Total No. of research papers published	No. of research papers published under FT 50 indexed journals	No. of research papers published under ABDC indexed journals	No. of research papers published under Scopus indexed journals	Cite Score for Scopus index	No. of research papers published under Other journals
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							



5.3.	Research papers published by <b>senior faculty</b> : Reference Link – Faculty 1	
	<b>1. Faculty Name:</b>	
	<b>Reference/Link of research paper</b>	
1.	<b>Under FT 50 indexed journals: Reference Link of research paper</b>	<b>Under ABDC indexed journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	
	<b>Under Scopus indexed journals: Reference Link of research paper</b>	<b>Under Other journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	

5.4.	Research papers published by senior faculty: Reference Link – Faculty 2	
	<b>2. Faculty Name:</b>	
	<b>Reference/Link of research paper</b>	
2.	<b>Under FT 50 indexed journals: Reference Link of research paper</b>	<b>Under ABDC indexed journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	
	<b>Under Scopus indexed journals: Reference Link of research paper</b>	<b>Under Other journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	

5.5.	Research papers published by senior faculty: Reference Link – Faculty 3	
	<b>3. Faculty Name:</b>	
	<b>Reference/Link of research paper</b>	
3.	<b>Under FT 50 indexed journals: Reference Link of research paper</b>	<b>Under ABDC indexed journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	
	<b>Under Scopus indexed journals: Reference Link of research paper</b>	<b>Under Other journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	

5.6.	Research papers published by senior faculty: Reference Link – Faculty 4	
	<b>4. Faculty Name:</b>	
	<b>Reference/Link of research paper</b>	
4.	<b>Under FT 50 indexed journals: Reference Link of research paper</b>	<b>Under ABDC indexed journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	
	<b>Under Scopus indexed journals: Reference Link of research paper</b>	<b>Under Other journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	

5.7.	Research papers published by senior faculty: Reference Link – Faculty 5	
	<b>5. Faculty Name:</b>	
	<b>Reference/Link of research paper</b>	
	<b>Under FT 50 indexed journals: Reference Link of research paper</b>	<b>Under ABDC indexed journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
5.	Note: Please add in separate sheet/paper, for extra research papers	
	<b>Under Scopus indexed journals: Reference Link of research paper</b>	<b>Under Other journals: Reference Link of research paper</b>
	1.	1.
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	

**Note:** The link references are required to achieve improved score for your Institution.

5.8.	Is your research publication used to develop corporate/consultancy assignment			<b>Yes / No</b> <i>If Yes, Fill the below table</i>	
	Sr. No	Research Name	Consultancy Name	Details of research	Revenue generated (Rs.)
	1.				
	2.				
	3.				
	4.				
	5.				
5.9.	Reputation of institute (among general public) <b>(Tick the relevant ones)</b>			1. Just building the reputation now 2. Reputed institute national level 3. Reputed institute international level 4. Reputed institute national and international level 5. Highly Reputed institute national level 6. Highly Reputed institute international level	

<b>6.</b>	<b>INDUSTRY INCOME AND INTEGRATION</b>			
6.1.	Number of Corporate Leaders visited in Campus for Lectures			
6.2.	Knowledge transfer income/Training outside/ Webinar arrangement. Knowledge tie ups			
	6.2.1.	Webinars conducted (Y/N)	1 = Yes	0 = No
	6.2.2.	If Yes, No. of webinars conducted in last academic year		
	6.2.3.	Training Sessions outside institutes (Y/N)	1 = Yes	0 = No
	6.2.4.	If Yes, No. of training sessions outside conducted in last academic year		
	6.2.5.	Knowledge Tie-Ups with other institutes/bodies	1 = Yes	0 = No
	6.2.6.	If Yes, No. of knowledge tie-ups		

6.2.7.	If, Please name the institutes/bodies			
6.3.	Internship for Students (with Companies/Corporates)			
		Type		No. of programs: Paid Internship:
6.3.1.	Internship Programmes	1 = Paid	2 = Unpaid	No. of programs: Unpaid Internship:
6.3.2.	Exchange Programmes-Domestic	1 = Yes	0 = No	Details:
6.3.3.	Exchange Programmes-International	1 = Yes	0 = No	Details:

<b>7.</b>	<b>PLACEMENT STRATEGIES &amp; SUPPORT</b>			
7.1.	Institutional Support			
7.1.1.	Have Placement cell	1 = Yes		0 = No
7.1.2.	If Yes, Active Status of placement cell	Fairly active Moderately active Active Very active		
7.1.3.	Conduct Mock Interviews for students	1 = Yes		0 = No
7.1.4.	If Yes, Active Status of Mock interviews	Fairly active Moderately active Active Very active		
7.1.5.	HR expert discussions	1 = Yes		0 = No
7.1.6.	If Yes, Active status of HR expert discussion	Fairly active Moderately active Active Very active		
7.1.7.	Resume Development Support	1 = Yes		0 = No
7.1.8.	If Yes, Support level to students	Fair Moderate Good Very good		
7.2	Alumni support ( <i>Alumni support is understood as Alumni invites students for their company</i> )	1 = Yes		0 = No
7.3	If yes, for what purposes	<ul style="list-style-type: none"> <li>○ Job Placement support</li> <li>○ Intern placement support</li> <li>○ Knowledge sharing sessions</li> <li>○ Expert guidance/Mentorship</li> <li>○ Others</li> </ul>		

8.		FUTURE ORIENTATION		
8.1.	Incubation / Start Up Cell Availability	1= Not available / No plans	2=Planning soon	3= Available
		If Yes, Establishment Year: _____		
8.2.	Idea Generation			
	8.2.1.	Idea Development by Professors	1= Low, 2= Medium 3= High, 4= Very high	
	8.2.2.	Idea development by Students	1= Low, 2= Medium 3= High, 4= Very high	
8.3.	Research team availability for Incubation research		1= Low, 2= Medium 3= High, 4= Very high	

9.		EXTERNAL PERCEPTION			
9.1.	Vision, Strategy and Governance Mechanism- Availability of clear cut Vision, Strategy and how to achieve it procedures	1 = Low	2 = Medium	3 = High	4 = Very high
9.2.	Investing on Development Activities	1 = Low	2 = Medium	3 = High	4 = Very high
9.3.	Public views: Current brand image	1 = Low	2 = Medium	3 = High	4 = Very high
9.4.	Public views: Degree validity in job markets	1 = Low	2 = Medium	3 = High	4 = Very high
9.5.	Public views: Skill development for students	1 = Low	2 = Medium	3 = High	4 = Very high
9.6.	Public views: New courses or New branches started	1 = Low	2 = Medium	3 = High	4 = Very high
9.7.	Public views: Pride of Students	1 = Low	2 = Medium	3 = High	4 = Very high

10.		INTERNATIONAL OUTLOOK	
10.1.	No. of international staff (full time & part time)		
10.2.	Percentage of International Staff (% of total staff)		
10.3.	No. of international students (full time & part time)		
10.4.	Percentage of International Students (% of total students)		
10.5.	Number of International collaborations & alliances		



RESPONDENT'S DETAILS	
Name of Respondent	
Department	
Designation	
Email Id	
Contact Number	

**Annexure: Please provide here other additional details.**

*Please attach required supporting documents/photo copies.*

**THANK YOU FOR YOUR PARTICIPATION!**



MACTION CONSULTING  
Authentic Research → Actionable Insights

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*“To equip generations with the kind of knowledge that makes all our lives better.”*