

The Pyramid's Base Is Rising

In its seventh edition, Outlook-MDRA rank the best colleges in Engineering, Medicine, Dentistry, Architecture, Fashion Technology, Mass Communication, Hotel Management, Social Work and Law

Amidst a seemingly endless flow of gloomy news—the sagging GDP growth numbers and growing inflation, rising petrol prices which touches everyone from the high and mighty to the common man, and the Eurozone crisis that threatens to further upset India's economic balance—news about India's technical education sector remained the season's bestseller. Of course, for all the wrong reasons. The brainwave that struck Union minister for human resource development Kapil Sibal—to braid the entrance examinations to all the engineering colleges in the country into a single examination—has not met with the kind of reaction he would have anticipated. The Indian Institutes of Technology (IITs) are now united in opposition to the proposal—and divided in deciding to hold their own separate examinations from next year.

Even though confusion persists over how the engineering entrance examinations will look next year and how students should approach it, and how the economy will perform, or, for that matter, which way the Eurozone crisis will head and so, how Indian companies would react in the college placement season, the serpentine lines at India's top professional colleges continue to get longer, with more inquisitive faces coming into the fray. Outlook's ranking of India's top professional colleges (in partnership with MDRA) comes out at a time when even more comprehensive analysis and information is required about colleges that will shape the future of millions of young Indians.

The ranking, in its seventh edition, springs few surprises. While there is little change in the top 15-20 rankings, with the IITs fiercely controlling their fiefdom (just like they are trying to hold on to their own entrance exam, the IIT-JEE), we have this year a more robust universe of India's best engineering colleges, with the best in class being part of our survey. There is perceivable improvement at the bottom of the table, even though many small colleges have not made it to India's Top 75. This could be good news for the one million-plus students who seek to enter India's colleges every year. On an average, the landscape of all the streams has not changed much, apart from the addition of some more leading names in their respective streams. Considering the quality of colleges, we expanded the rankings in the medical and law streams. Also, marching forward from last year's six streams for which we did an objective analysis, this year, we present objective analyses for seven streams, while two—fashion and media—continue to be pure perceptual rankings.

There's a lot on offer in this issue: the Outlook team went across the country to demystify the engineering entrance examination issue and gauge how it would impact different segments. With technology and the internet entering our lives more prominently, can education be far behind? We take a detailed look at how online education is shaping up in India. Yes, the future has arrived. With research and innovation starting early at the college level, innovations are also happening actively at college

backyards. We sampled some breakthrough products and technologies India's young scientists are about to present to the world. Also watch out for the detailed package on the biggest problem facing students today: stress.

Hopefully, by the time next year's aspirants sit for examinations, everyone will be less stressed out—and a solution would have been found to the examination issue. Till then, as always, choose wisely.

Top Engineering Colleges

The top 75 overall and the Top 10 breakdowns between govt and pvt colleges, zone and criteria wise

Rank	2012	2011	Name of institute	P: Pvt G: Govt	City	Selection process (227)	Academic excellence (214)	Personality devt & incl interface (113)	Infrastructure (206)	Placement (180)	Overall score (1,000)
1	2		IIT	G	Delhi	207.4	196.7	154.2	189.3	167.3	914.9
2	1		IIT	G	Kharagpur	201.3	194.2	164.7	192.4	161.7	914.3
3	3		IIT	G	Bombay	206.9	191.6	145.1	196.8	167.2	907.6
4	4		IIT	G	Kanpur	197.4	197.8	152.3	190.0	166.4	903.9
5	5		IIT	G	Madras	202.9	193.6	141.7	196.7	163.7	898.6
6	7		IT, BHU	G	Varanasi	202.1	186.2	150.0	179.6	153.5	871.4
7	8		BITS	P	Pilani	191.8	178.1	159.8	191.3	149.9	870.9
8	NP		IIT	G	Guwahati	199.1	185.7	133.0	171.0	163.3	852.1
9	9		DTU	G	Delhi	198.9	165.3	137.0	177.6	165.2	844.0
10	10		NIT	G	Tiruchirapalli	185.3	174.3	138.3	179.2	163.2	840.3
11	11		ISMU	G	Dhanbad	194.7	179.1	136.7	167.4	155.8	833.7
12	12		Univ Departments, Anna Univ	G	Guindy	168.9	176.2	153.0	177.5	149.1	824.7
13	14		NIT	G	Surathkal	182.8	169.6	143.6	172.1	156.0	824.1
14	16		IIIT	P	Hyderabad	170.7	178.8	144.2	166.3	163.0	823.0
15	13		BIT	P	Ranchi	174.9	177.8	128.6	179.1	153.4	813.8
16	15		NIT	G	Warangal	176.3	165.9	132.3	165.2	159.9	799.6
17	17		NSIT	G	Delhi	154.0	167.2	149.7	163.4	153.8	788.1
18	19		PSG College of Technology	P	Coimbatore	156.4	157.8	148.1	167.8	146.1	776.2
19	NP		NIT	G	Rourkela	178.9	163.8	126.3	152.8	153.2	775.0
20	18		IIIT	G	Allahabad	168.0	158.1	120.7	160.1	158.1	765.0
21	23		PEC University of Technology	G	Chandigarh	157.4	164.2	117.6	162.3	145.1	746.6
22	24		College of Engineering	G	Pune	150.9	166.6	144.4	163.2	117.3	742.4
23	22		NIT	G	Hamirpur	177.6	154.0	125.3	149.1	135.2	741.2
24	26		Harcourt Butler Tech. Institute	G	Kanpur	177.7	150.2	121.4	143.3	148.5	741.1
24	21		Manipal Institute of Technology	P	Manipal	171.7	154.4	136.6	160.0	118.4	741.1
26	27		Thapar University	P	Patiala	142.4	165.9	128.5	168.1	135.6	740.5
27	NP		Motilal Nehru NIT	G	Allahabad	184.5	164.8	102.4	145.2	143.1	740.0
28	25		BIT	G	Sindri	173.5	156.2	124.0	156.0	127.8	737.5
29	NP		VNIT	G	Nagpur	183.3	159.6	101.7	153.9	138.1	736.6
30	29		ABV-IIIT	G	Gwalior	156.0	159.0	115.2	162.6	143.7	736.5
31	31		UIET	G	Chandigarh	148.1	159.1	132.6	151.3	134.2	725.3
32	34		VJTI	P	Mumbai	165.9	161.7	130.6	146.0	119.4	723.6
33	35		RVCE	P	Bangalore	159.0	149.5	133.8	142.0	139.1	723.4
34	30		Institute of Tech, Nirma University	P	Ahmedabad	147.9	157.3	142.5	147.4	127.6	722.7
35	32		PESIT	P	Bangalore	185.1	148.1	108.3	143.0	134.1	718.6
36	33		NIE	P	Mysore	161.0	151.0	133.9	144.3	120.1	710.3
37	37		Univ College of Engg., Osmania Univ	G	Hyderabad	148.8	148.4	126.9	144.5	141.3	709.9
38	39		Shri G.S. Institute of Tech & Sc	G	Indore	165.0	157.3	119.8	151.2	114.3	707.6
39	38		SSN College of Engg	P	Chennai	142.0	149.0	134.3	155.3	119.5	700.1
40	40		Mepco Schlenk Engg College	P	Sivakasi	145.0	148.0	118.5	163.6	112.1	687.2
41	43		Chaitanya Bharathi Instt of Tech	P	Hyderabad	150.4	134.5	120.9	151.8	128.1	685.7
42	44		Thiagarajar College of Engg	P	Madurai	146.3	147.9	123.5	145.4	122.1	685.2
43	41		Guru Nanak Dev Engg College	G	Ludhiana	150.8	158.5	123.4	137.7	111.0	681.4
44	NP		Dr B.R. Ambedkar NIT	G	Jalandhar	153.3	145.1	95.8	134.8	137.7	666.7
45	48		Govt College of Engg	G	Amravati	149.6	131.4	123.4	141.0	119.9	665.3
46	45		D.J. Sanghvi College of Engg	P	Mumbai	136.1	144.8	132.2	123.2	127.0	663.3
47	46		Amrita School of Engg	P	Coimbatore	134.4	138.1	128.1	144.8	113.8	659.2
48	42		P.E.S College of Engg	P	Mandya	133.8	144.2	121.6	150.0	97.1	646.7
49	47		Govt Model Engg College	G	Kochi	155.9	128.0	105.0	126.0	131.6	646.5
50	49		MIT College of Engg	P	Pune	124.5	137.9	135.0	132.0	116.7	646.1

2012	2011	Name of institute	P: Pvt G: Govt	City	Selection process (227)	Academic excellence (214)	Personality devt & indl interface (173)	Infrastructure (206)	Placement (180)	Overall score (1,000)
51	51	K.L. Univ	P	Guntur	142.4	137.6	113.0	144.6	108.1	645.7
51	50	BMS Institute of Technology	P	Bangalore	149.6	133.3	116.1	120.9	125.8	645.7
53	52	Shri Ramdeobaba Coll of Engg	P	Nagpur	124.0	146.3	128.5	140.7	104.3	643.8
54	54	Kongu Engineering College	P	Erode	140.1	127.6	128.0	153.5	94.2	643.4
55	56	Faculty of Engg & Tech, Jamia	G	Delhi	137.2	142.8	103.7	130.0	127.0	640.7
56	53	Bangalore Institute of Technology	P	Bangalore	160.7	139.0	96.6	116.5	126.0	638.8
57	57	Muffakham Jah College of Engg & Tech	P	Hyderabad	157.6	145.2	107.9	120.5	103.9	635.1
58	58	Rungta College of Engg & Tech	P	Bhilai	129.8	147.0	108.3	142.7	105.4	633.2
59	55	Sona College of Technology	P	Salem	126.3	147.0	122.2	145.7	91.6	632.8
60	NP	Zakir Hussain College of Engg & Tech	G	Aligarh	148.2	147.9	100.0	133.4	99.6	629.1
61	NP	NIT	G	Srinagar	149.3	139.9	96.5	111.7	125.6	623.0
62	61	K.L.E. Society's College of Engg & Tech	P	Belgaum	148.7	123.6	107.7	133.5	108.1	621.6
63	60	Acharya Institute of Technology	P	Bangalore	143.8	110.7	110.5	136.5	117.4	618.9
64	59	SCMS School of Engg & Tech	P	Ernakulam	134.4	131.4	110.9	127.9	113.6	618.2
65	64	ITM University	P	Gurgaon	130.0	140.1	119.5	120.4	98.9	608.9
66	NP	National Instt of Foundry & Forge Tech	G	Ranchi	132.3	123.7	96.5	129.1	126.3	607.9
67	62	SDM College of Engg & Tech	P	Dhavalgiri	144.4	129.7	104.6	122.3	106.1	607.1
68	70	Sreenidhi Institute of Science & Tech	P	Hyderabad	125.9	131.7	119.6	139.7	89.8	606.7
69	68	Galgotias College of Engg & Tech	P	Noida	122.9	127.6	103.9	133.0	113.8	601.2
70	66	Sri Sai Ram Engg College	P	Chennai	134.7	116.9	121.4	124.5	102.2	599.7
71	63	Sir M. Visvesaraya Instt of Technology	P	Bangalore	136.9	110.7	119.4	119.1	112.2	598.3
72	65	Jawaharlal Nehru National Coll of Engg	P	Shimoga	139.0	126.6	111.4	135.5	85.0	597.5
73	72	Amity School of Engg & Tech	P	Noida	109.6	135.3	94.6	134.4	117.4	591.3
74	67	M.V.J. College of Engg	P	Bangalore	126.7	115.4	116.8	134.8	96.1	589.8
75	71	GMR Institute of Tech	P	Srikakulam	138.7	119.7	117.7	130.7	82.5	589.3

1. ABV-IIIT Gwalior offers a five-year integrated course instead of BTech/BE
2. The ranking was done only for institutes that submitted complete objective data on time. Institutes like IIT Roorkee did not submit their data and were not considered.
3. Govt-aided private institutions have been marked as private
4. Only institutions offering BE/BTech courses (approvals/affiliation) and a minimum of three passed-out batches by 2012 have been ranked
5. It may be noted that the arithmetic total of the figures may not match with the total figure due to rounding errors

Top 10 Govt Colleges

Rank	Name of institute	City	Overall score
1	IIT	Delhi	914.9
2	IIT	Kharagpur	914.3
3	IIT	Bombay	907.6
4	IIT	Kanpur	903.9
5	IIT	Madras	898.6
6	IT-BHU	Varanasi	871.4
7	IIT	Guwahati	852.1
8	DTU	Delhi	844.0
9	NIT	Tiruchirapalli	840.3
10	ISMU	Dhanbad	833.7

Top 3 Zone Wise

S.N.	NORTH
1	IIT, Delhi
2	IIT, Kanpur
3	IT-BHU

S.N.	SOUTH
1	IIT, Madras
2	NIT, Tiruchirapalli
3	Anna Univ, Chennai

S.N.	EAST
1	IIT, Kharagpur
2	IIT, Guwahati
3	ISMU, Dhanbad

S.N.	WEST
1	IIT, Bombay
2	Coll of Engg, Pune
3	VNIT, Nagpur

Top 10 Engineering Colleges in Personality Development & Industry Interface

Rank	Name of institute	City	Score (173)	Total score (1,000)
1	IIT	Kharagpur	164.7	914.3
2	BITS	Pilani	159.8	870.9
3	IIT	Delhi	154.2	914.9
4	Univ Depts of Anna Univ.	Chennai	153.0	824.7
5	IIT	Kanpur	152.3	903.9
6	IT-BHU	Varanasi	150.0	871.4
7	NSIT	Delhi	149.7	788.1
8	PSG College of Tech	Coimbatore	148.1	776.2
9	IIT	Bombay	145.1	907.6
10	College of Engineering	Pune	144.4	742.4

Top 10 Engineering Colleges In Placement

Rank	Name of institute	City	Score (180)	Total score (1,000)
1	IIT	Delhi	167.3	914.9
2	IIT	Bombay	167.2	907.6
3	IIT	Kanpur	166.4	903.9
4	DTU	Delhi	165.2	844.0
5	IIT	Madras	163.7	898.6
6	IIT	Guwahati	163.3	852.1
7	NIT	Tiruchirapalli	163.2	840.3
8	IIIT	Hyderabad	163.0	823.0
9	IIT	Kharagpur	161.7	914.3
10	NIT	Warangal	159.9	799.6

Top 10 Engineering Colleges In Selection Process

Rank	Name of institute	City	Score (227)	Total score (1,000)
1	IIT	Delhi	207.4	914.9
2	IIT	Bombay	206.9	907.6
3	IIT	Madras	202.9	898.6
4	IT-BHU	Varanasi	202.1	871.4
5	IIT	Kharagpur	201.3	914.3
6	IIT	Guwahati	199.1	852.1
7	DTU	Delhi	198.9	844.0
8	IIT	Kanpur	197.4	903.9
9	ISMU	Dhanbad	194.7	833.7
10	BITS	Pilani	191.8	870.9

Top 10 Engineering Colleges In Academic Excellence

Rank	Name of institute	City	Score (214)	Total score (1,000)
1	IIT	Kanpur	197.8	903.9
2	IIT	Delhi	196.7	914.9
3	IIT	Kharagpur	194.2	914.3
4	IIT	Madras	193.6	898.6
5	IIT	Bombay	191.6	907.6
6	IT-BHU	Varanasi	186.2	871.4
7	IIT	Guwahati	185.7	852.1
8	ISMU	Dhanbad	179.1	833.7
9	IIIT	Hyderabad	178.8	823.0
10	BITS	Pilani	178.1	870.9

Top 10 Engineering Colleges In Infrastructure & Facilities

Rank	Name of institute	City	Score (206)	Total score (1,000)
1	IIT	Bombay	196.8	907.6
2	IIT	Madras	196.7	898.6
3	IIT	Kharagpur	192.4	914.3
4	BITS	Pilani	191.3	870.9
5	IIT	Kanpur	190.0	903.9
6	IIT	Delhi	189.3	914.9
7	IT-BHU	Varanasi	179.6	871.4
8	NIT	Tiruchirapalli	179.2	840.3
9	BIT	Ranchi	179.1	813.8
10	DTU	Delhi	177.6	844.0

Top 25 Employers In Engg

1. Larsen & Toubro
2. Microsoft
3. Wipro Tech
4. IBM
5. Infosys
6. HCL Technologies
7. Tata Motors
8. Accenture
9. Cognizant
10. NTPC
11. Maruti Suzuki
12. TCS
13. IOCL
14. Adobe
15. M&M
16. Oracle
17. Samsung
18. Deloitte
19. Amazon
20. Aricent Tech
21. Ashok Leyland
22. Cisco
23. Nvidia
24. Robert Bosch
25. Tech Mahindra

Based on number of visits to top campuses over the past three years

Average Salary, Engg College

- Top 10 colleges **6.76**
- Top 25 colleges **5.81**
- Top 75 colleges **4.33**

Figures in Rs lakh per annum

Top 10 RoI In Govt Engineering Colleges

Rank	Name of institute	City	Average salary (in ₹lakh)	Fee in ₹lakh (entire course)	RoI
1	DTU	Delhi	5.50	0.96	5.73
2	ISMU	Dhanbad	6.14	1.26	4.89
3	IIT	Kharagpur	9.50	2.00	4.75
4	IIIT	Allahabad	8.00	2.00	4.00
5	NIT	Warangal	5.27	1.40	3.76
6	IIT	Guwahati	7.40	2.00	3.70
7	IIT	Bombay	7.00	2.00	3.50
8	NSIT	Delhi	6.47	1.92	3.37
9	IIT	Delhi	6.50	2.00	3.25
10	IIT	Madras	7.40	2.28	3.24

1. Return on investment is calculated for institutes whose entire tuition fee for BE/ BTech is above Rs 96,000. The bottom 5 percentile of the institutes were not considered.
2. The RoI tables are based on data from institutes in their objective questionnaire

Top 10 RoI In PVT Engineering Colleges

Rank	Name of institute	City	Average salary (In ₹lakh)	Fee in ₹lakh (entire course)	RoI
1	RVCE	Bangalore	5.37	1.20	4.48
2	PESIT	Bangalore	5.16	1.20	4.30
3	Bangalore Inst of Tech	Bangalore	4.00	1.28	3.13
4	PSG College of Tech	Coimbatore	4.00	1.30	3.08
5	Sir M. Visvesaraya Inst	Bangalore	3.50	1.25	2.80
6	Acharya Inst. of Tech.	Bangalore	3.30	1.20	2.75
7	Chaitanya Bharathi Inst.	Hyderabad	3.35	1.24	2.70
8	K.L.E Society's College	Belgaum	3.16	1.20	2.63
9	NIE	Mysore	3.00	1.20	2.50
9	BMS Inst of Tech	Bangalore	3.00	1.20	2.50

1. RoI is calculated for institutes whose entire tuition fee for BE/BTech is above Rs 1,20,000. (The bottom 10 percentile of the institutes were not considered.)

Top 75 Engg Seats In Each Zone

	NORTH	SOUTH	EAST	WEST
Total seats	15,472	29,406	5,383	6,148
Average seats/college	737	840	673	559

Top 10 Student/Faculty Ratio

Rank	Name of institute	City	Student/ Faculty ratio
1	IIT	Bombay	3.70
2	IIT	Kharagpur	5.20
3	IIT	Madras	6.86
4	BIT	Ranchi	7.41
5	Zakir Hussain College of Engg & Tech	Aligarh	7.68
6	P.E.S. Institute of Technology	Bangalore	7.74
7	IIT	Delhi	7.95
8	IIT	Guwahati	8.31
9	Rungta College of Engg & Technology	Bhilai	8.50
10	Thapar University	Patiala	9.12

1. The ratio has been calculated on the basis of data provided by the respective institutes.
2. The total number of students in BTech/BE courses has been arrived upon by multiplying the total intake capacity by four.

Top 3 Metro Wise

No.	Delhi & NCR
1	IIT
2	DTU
3	NSIT

No.	Mumbai
1	IIT
2	VJTI
3	D.J. Sanghvi

No.	Chennai
1	IIT, Madras
2	Anna University
3	SSN College

No.	Hyderabad
1	IIT
2	Osmania Univ
3	Chaitanya Bharathi

No.	Bangalore
1	RVCE
2	PESIT
3	BMSIT

