

TECHNICAL EDUCATION IN INDIA

INDIA

SURVEY OF FACILITIES

First Degree Courses

1964

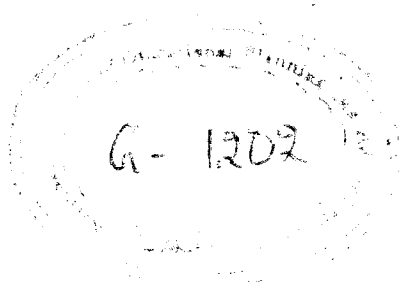


NIEPA



G1202

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
NEW DELHI



SURVEY of FACILITIES for TECHNICAL EDUCATION in INDIA

1 9 6 4

FIRST DEGREE or EQUIVALENT COURSES in ENGINEERING & TECHNOLOGY

1. The number of institutions conducting first degree or equivalent courses in engineering and technology in 1964 (academic year 1964-65) is 131 with a total admission capacity of 23,757 students. The actual admissions, however, are 22,214. The reason for the actual admissions being less than the sanctioned admission capacity is that some of the new institutions that started recently were still in the process of establishment and had to limit admissions to available facilities. The shortfall has been offset to some extent by additional admissions made direct to the second year of the five year integrated courses at certain other institutions as a transitional measure as also by excess admissions made at some of the institutions.

2. The output of graduates during the year 1964 (i.e. at the end of the academic year 1963-64) is 9456. The subject-wise distribution of the sanctioned admission capacity, actual admissions made and out-turn in 1964 is as below:-

Subject	Sanctioned Admission Capacity	Actual Admissions	Out-turn
1.	2.	3.	4.
Civil Engineering	5950	5747	2613
Mechanical Engineering	6535	6027	270
Electrical Engineering	6335	5703	2173
Tele. Comm./Electrical Communication	715	612	244

1.	2.	3.	4.
Mining Engineering	335	379	205
Metallurgy	840	732	241
Chemical Engineering	1310	1215	458
Textile Technology	275	341	148
Architecture	465	425	144
Aeronautical Engineering	70	39	26
Automobile Engineering	30	30	28
Pharmacy	277	315	155
Silicate Technology	30	29	2
Ceramics	12	12	-
Textile Chemistry	44	46	38
Leather Technology	25	22	9
Agricultural Engineering	135	148	27
Applied Geology & Geophysics	60	60	35
Naval Architecture	15	15	5
Petroleum Technology	20	37	21
Instruments Technology	30	31	31
Chemical Technology - General & Specialised	249	249	152
TOTAL:	<u>23,757</u>	<u>22,214</u>	<u>9,456</u>

3. These figures include the sanctioned admission capacity of 955, and actual admission of 702 students to the special 3-year degree courses in engineering for science graduates (B.Sc.), the details of which are given in Appendix-I. The Madras Institute of Technology, Madras, and Indian Institute of Science, Bangalore, are the old institutions conducting three-year engineering courses for science graduates. By adding figures for these institutions also, the sanctioned

admission capacity and actual admissions for these courses are 1205 and 893 respectively. In addition, there are certain institutions, (Appendix II) which have also been approved for conduct of special three-year degree courses in engineering for B.Sc's, but have not yet started the courses.

4. During 1964 the following new Engineering Colleges have started functioning with the approval of the All India Council for Technical Education/ Central Government.

<u>Institution</u>	<u>Admission capacity</u>
<u>Madhya Pradesh</u>	
1. Government Engineering College, Bilaspur.	120
2. Government Engineering College, Rewa.	120
<u>Maharashtra</u>	
3. College of Engineering, Amravati.	120
<u>Madras</u>	
4. Regional Engineering College, Tiruchirapalli.	<u>250</u> <u>610</u>

5. The Regional Engineering College, Kurukshetra, and Malviya Regional Engineering College, Jaipur, started in 1963 as guest institutions with 120 and 60 admissions respectively. In the present report, these institutions have been shown as separate institutions with the ultimate admission capacity of 250 each.

6. The Department of Pharmacy of J.V.D. College of Science & Technology, Andhra University, Waltair, has now been constituted as a separate Department of the Andhra University and is now known

7. College of Agricultural Engineering and Technology, U.P. Agricultural University, Pantnagar, Uttar Pradesh has started conducting degree course in Agricultural engineering with an admission capacity of 75 students. The Department of Pharmacy, Nagpur University, Nagpur has been conducting degree course in Pharmacy with an admission capacity of 30 students. These institutions have also been included in this Report.

8. The following colleges in the private sector in Mysore, are reported to have started functioning without approval of the All India Council for Technical Education/Central Government:

	<u>Institution</u>	<u>Admission Capacity</u>
i)	R.V. College of Engineering, Bangalore.	120
ii)	Sree Siddaganga College of Engineering, Tumkur.	120
iii)	Sri Jayachamarajendra College of Engineering, Mysore and	120
iv)	Basaveshwar Engineering College, Bagalkot.	120
	Total:	<u>480</u>

Since these colleges have been granted affiliation - the former three by the Mysore University and the latter by the Karnatak University and have made admissions, they have been included in this Report.

9. Besides the above new colleges, some of the existing institutions have also been expanded and special 3-year degree courses for science graduates introduced at some more institutions. Further, the admission capacity of all the institutions in this Report shows the ultimate annual admission capacity

sanctioned for the institution by the Central Government or the competent authority, even though they may not have made admissions to that extent.

As a result of the above measures, the admission capacity has been increased by 2717 seats as detailed below:

a)	Additional seats from new institutions	= 1195
b)	Additional seats from 3-year degree courses for Science Graduates	= 280
c)	Additional seats by way of expansion of the normal degree courses, starting new courses, and by inclusion of ultimate admission capacity as sanctioned admission capacity.	= 1242
	TOTAL:	= 2717

10 The Survey Report for 1964 also includes part-time courses. The break up of the sanctioned admission capacity, actual admissions and out-turn, between full-time and part-time courses is as below:-

Courses	Sanctioned Admission Capacity	Actual Admissions	Out-turn
a) Full-Time	23,417	21,847	9,335
b) Part-Time	340	367	121
Total:	<u>23,757</u>	<u>22,214</u>	<u>9,456</u>

11. M. Tech. degree courses in 'Applied Chemistry', 'Applied Physics' and 'Radio Physics & Electronics' conducted by the Departments of Applied Chemistry, Applied Physics, and Radio Physics & Electronics, of Calcutta University, are included respectively under 'Chemical Technology', 'Electrical Engineering', and 'Electrical Communication Engineering & Electronics'. M.Sc.(Tech). course in Radio Physics & Electronics conducted by the J.K. Institute of Applied Physics, Allahabad University, Allahabad, is included under 'Electrical Communication Engineering and Electronics'

12. All the above factors have been taken into account while calculating the sanctioned Admission Capacity, Actual Admissions and Out-turn for the year 1964.

S U M M A R Y

STATE-WISE AND SUBJECT WISE

State (No. of Institutions)	Courses of Study	Sanctioned Admission Capacity	Actual Admiss- ions made.	Out- turn	Remarks.
1.	2.	3.	4.	5.	6.
a) <u>NORTHERN REGION</u>					
i) Delhi (3)	Civil	130	139	27	
	Mech.	180	185	52	
	Elec	180	182	45	
	Chem.	60	59	30	
	Text.	30	43	25	
	Tech.				
	Arch.	60	56	20	
		<u>640</u>	<u>664</u>	<u>199</u>	
ii) Jammu & Kashmir (1)	Civil	40	40	-	Institution started in 1950 with 5- year integrat courses.
	Mech.	60	60	-	
	Elec	60	60	-	
	Min.	30	30	-	
	Meta.	30	30	-	
	Chem.	30	30	-	
		<u>250</u>	<u>250</u>	<u>-</u>	
iii) Punjab (8)	Civil	280	247	141	
	Mech.	300	250	141	
	Elec	300	250	129	
	Tele- Comn.	30	30	-	
	Meta.	30	30	-	
	Chem.	60	60	27	
	Text.				
	Tech.	60	71	-	
	Arch.	30	30	-	
	Aero.	30	30	17	
	Pharm.	25	25	8	
		<u>1145</u>	<u>1023</u>	<u>463</u>	
iv) Rajasthan (4)	Civil	220	148	99	
	Mech.	270	186	97	
	Elec.	270	185	88	
	Tele.				
	Comn.	30	30	22	
	Min.	40	42	18	
	Chem.	30	30	-	
	Pharm.	20	26	10	
		<u>880</u>	<u>647</u>	<u>334</u>	

Contd....

	1.	2.	3.	4.	5.	6
v) Uttar Pradesh (15)	Civil		510	412	253	
	Mech.		595	530	232	
	Elec.		595	513	196	
	Tele-Comm.		80	57	33	
	Min.		40	51	33	
	Meta.		160	144	51	
	Chem.		190	189	64	
	Text. Tech.		20	23	9	
	Text. Chem.		10	11	4	
	Arch.		30	31	14	
	Aero.		30	-	-	
	Pharm.		22	29	12	
	Silic. Tech.		30	29	2	
	Agri.		115	125	19	
	Sugar Tech.		20	43	37	
	Sugar Engg.		4	-	-	
	Oil Chem. & Tech.		8	10	7	
	Bio Chem. Engg.		15	15	-	
	Plast.		15	9	-	
	Paints		15	10	-	
	Food Chem.		15	10	-	
	Tech.(Oil)		15	12	-	
			<u>2534</u>	<u>2253</u>	<u>966</u>	

b) EASTERN REGION

vi) Assam (2)	Civil		120	108	122	
	Mech.		120	71	12	
	Elec.		120	71	15	
	Chem.		30	16	-	
			<u>390</u>	<u>266</u>	<u>149</u>	
vii) Bihar (7)	Civil		350	409	173	* Includes 14
	Mech.		480	360*	271	& admissions to
	Elec.		400	305	224	Production Engg..
	Tele. Comm.		30	26	16	&-Includes 15
	Min.		90	123	92	graduates in
	Meta.		100	71	28	Production Engg..
	Chem.		60	26	23	
	Petro. Tech.		20	37	21	
	Appl. Geol. & Appl. Geophys.		40	36	26	
			<u>1570</u>	<u>1393</u>	<u>874</u>	

	1.	2.	3.	4.	5.	6.
viii) Orissa (2)	Civil		150	142	54	
	Mech.		140	113	37	
	Elec.		140	113	18	
	Meta.		30	21	-	
	Chem.		30	21	-	
			<u>490</u>	<u>410</u>	<u>109</u>	
ix) West Bengal (13)	Civil		490	575	371	
	Mech.		480	515	242	
	Elec.		445	473	308	
	Tele.					
	Comm.		150	131	71	
	Min.		55	49	37	
	Meta.		125	124	55	
	Chem.		155	141	81	
	Text.					
	Tech.		60	67	47	
	Arch.		50	44	28	
	Naval Arch.		15	15	5	
	Pharm.		30	32	-	
	Ceram. Tech.		12	12	-	
	Leath. Tech.		10	12	7	
	Agri.		20	23	8	
	Appl. Geol. & Exp. Geophys.		20	24	9	
	Food Tech. & Bio Chemistry		15	15	-	
	Chem. Tech.		36	34	38	
			<u>2168</u>	<u>2286</u>	<u>1307</u>	
c) <u>WESTERN REGION</u>						
Gujarat (6)	Civil		490	468	385	
	Mech.		480	459	347	
	Elec.		420	378	231	
	Chem.		30	33	-	
	Text					
	Tech.		25	60	22	
	Arch.		40	43	34	
	Pharm.		75	95	64	
			<u>1560</u>	<u>1516</u>	<u>1083</u>	
xi) Madhya Pradesh (9)	Civil		430	450	161	
	Mech.		530	529	171	
	Elec.		530	517	123	
	Tele.					
	Comm.		60	50	15	
	Min.		30	34	20	
	Meta.		30	34	25	
	Chem.		30	34	-	
	Arch.		30	15	-	
	Pharm.		15	18	19	
			<u>1685</u>	<u>1681</u>	<u>534</u>	

Contd...

	1.	2.	3.	4.	5.	6.
xii) Maharashtra (14)	Civil		630	645	206	
	Mech.		565	550	263	
	Elec.		585	555	193	
	Tele.					
	Comm.		40	44	17	
	Meta.		135	157	41	
	Chem.		205	218	90	
	Text.					
	Tech.		20	20	18	
	Text.					
	Chem.		34	35	34	
	Arch.		130	111	27	
	Pharm.		45	45	22	
	Food Tech.		15	15	13	
	Interm.					
	Dyes.		16	16	14	
	Plast.		8	8	7	
	Pigms.					
	Paints & Varni.		8	8	5	
	Oils, Fats & Waxes		16	16	14	
Pharma- ceuticals & Fine Chemicals.		18	18	17		
Oil & Chem. Tech.		10	10	-		
			<u>2480</u>	<u>2471</u>	<u>981</u>	

c) SOUTHERN REGION

xiii) Andhra Pradesh (10)	Civil		350	285	116	
	Mech.		460	483	205	
	Elec.		485	479	143	
	Tele.					
	Comm.		115	96	13	
	Min.		25	25	5	
	Meta.		30	30	-	
	Chem.		150	135	69	
	Arch.		45	45	6	
	Pharm.		20	20	19	
			<u>1680</u>	<u>1598</u>	<u>576</u>	
xiv) Kerala (6)	Civil		370	362	132	
	Mech.		390	383	135	
	Elec.		390	351	94	
	Tele.					
	Comm.		30	30	-	
	Chem.		30	30	-	
	Arch.		30	30	-	
			<u>1240</u>	<u>1186</u>	<u>361</u>	

Contd.....

	1	2	3	4	5
xv) Madras (14)	Civil		600	521	155
	Mech.		690	614	282
	Elec.		620	515	174
	Tele.				
	Comn & Electronics	90		87	31
	Min.	25		25	-
	Meta.	110		60	13
	Chem.	220		193	74
	Text.				
	Tech.	30		30	9
	Arch.	20		20	15
	Aero.	10		9	9
	Auto.	30		30	28
	Pharm.	25		25	1
	Leath. Tech.	15		10	2
	Instr. Tech.	30		31	31
			<u>2515</u>	<u>2170</u>	<u>824</u>
xvi) Mysore (17)	Civil.		790	796	218
	Mech.		795	759	214
	Elec.		795	756	192
	Tele.				
	Comn.	60		31	26
	Meta.	60		31	28
	Text.				
	Tech.	30		27	18
			<u>2530</u>	<u>2400</u>	<u>696</u>
		No. of Institutions	Sanctioned Admission Capacity.	Actual Admiss- ions made	Out-turn
a)	NORTHERN REGION	31	5449	4837	1962
b)	EASTERN REGION	24	4618	4355	2439
c)	WESTERN REGION	29	5725	5668	2598
d)	SOUTHERN REGION	47	7965	7354	2457
	TOTAL :	131	23,757	22,214	9456

TECHNICAL INSTITUTIONS IN INDIA CONDUCTING
FIRST DEGREE OR EQUIVALENT COURSES - 1964

Sl. No.	Name of the Institution (Administrative Control & year of Establishment)	Field of study	Sanctioned admission capacity	Actual Admissions made	Out-turn	REMARKS
1.		2.	3.	4.	5.	6.

NORTHERN REGION

DELHI

1. Indian Institute of Technology, Delhi (C.G.) 1961.	Civil	60	61	*	*-Institute started in 1961. @-Includes 52 students (Civil-10, Mech-15, Elec-14 & Chem-13) admitted direct to 2nd year of the 5-year integrated courses.
	Mech.	60	60	*	
	Elec.	60	60	*	
	Chem.	60	59	*	
	Text.	30	43	*	
	Tech.		<u>270</u>	<u>283</u> @	
2. School of Planning & Architecture, Delhi (C.G.) 1955. (separate school from 1959)	a) <u>Full-Time</u>				
	Arch.	30	31	13	
	b) <u>Part-Time (National Diploma)</u>				
	Arch.	30	25	7	
3. Delhi Polytechnic, Delhi (SG) 1941	a) <u>Full-Time</u>				Sanctioned admission capacity increased by 20. *. Admissions to the course stopped with effect from 1962.
	Civil	40	46	17	
	Mech.	80	84	32	
	Elec.	80	81	29	
	Chem.	*	*	30	
	Text.	*	*	25	
	Tech.		<u>200</u>	<u>211</u>	

JAMMU & KASHMIR

4. Regional Engg. College, Srinagar, (C.S.G) 1960.	Civil	40	40	*	*-5 year course started in 1960. @-Course started in 1962.
	Mech.	60	60	*	
	Elec.	60	60	*	
	Min.	30	30	@	
	Meta.	30	30	@	
	Chem.	30	30	@	
		<u>250</u>	<u>250</u>		

1.	2.	3.	4.	5.	6.
<u>P U N J A B</u>					
5. Punjab Engineering College, Chandigarh (S.G.) 1921.	Civil Mech. Elec. Elect. Comm. Meta. Merc.	90 90 90 30 . 30 30	87 90 90 30 . 30 30	59 68 64 * . * 17	*-4-year course started in 1963. * Course in Merc.Engg. not approved by A.I.C.T.E.
		<u>360</u>	<u>357</u>	<u>208</u>	
6. Chandigarh College of Architecture, Chandigarh (S.G.) 1961.	Arch.	30	30	*	*-5-year course started in 1961.
7. Regional Engineering College, Kurukshetra (Guest admissions made at Chandigarh and Patiala) (C.S.G) 1963.	Civil Mech. Elec.	70 90 90	40 40 40	* * *	60 students admitted at Chandigarh College and 60 at Patiala College. *- 4-year course started in 1963.
		<u>250</u>	<u>120</u>		
8. Department of Chemical Engg. & Tehnology, Punjab University, Chanligarh(U) 1958	Chem.	60	60	27	
9. Department of Pharmaceutics, Punjab University, Chanligarh(U) 1944.	Pharm.	25	25	8	Sanctioned admission capacity increased by 10.
10. Guru Nanak Engineering Colloge, Ludhiana (P) 1953.	Civil Mech. Elec.	60 60 60	60 60 60	35 35 26	
		<u>180</u>	<u>180</u>	<u>96</u>	
11. Thapar Institute of Engineering & Tehnology, Patiala (P) 1956.	Civil Mech. Elec.	60 60 60	60 60 60	47 38 39	
		<u>180</u>	<u>180</u>	<u>124</u>	
12. Technological Institute of Textiles, Bhiwani (P) 1943.	Text. Tech.	60	71	2	2- Due to change over from 3 to 4 year degree course, no final year student passed out in 1964.

1.	2.	3.	4.	5.	6.
<u>R A J A S T H A N</u>					
13. Malviya Regional Engineering College, Jaipur (C.S.G) 1963.	Civil Mech. Elec.	70 90 90	* 33 33 <u>66</u>	* @ @	@-5-year course started through 60 guest admissions made in 1963. *-admissions not yet made.
14. Birla Institute of Technology & Science (Birla College of Engg.), Pilani (U) 1946.	Civil Mech. Elec. Tele-comn. Chem.	60 90 90 30 30	60 90 90 30 <u>30</u> <u>300</u>	38 61 62 22 * <u>183</u>	*-5-year course started in 1963. Institution deemed to be a University from 1964.
15. Birla Instt. of Technology & Science, (Birla College) (U) 1950.	Pharm.	20	26	10	
16. Faculty of Engg., University of Jodhpur, Jodhpur (U) (Formerly M.B.M. Engg. College, Jodhpur) 1951.	Civil Mech. Elec. Min.	90 90 90 40	88 63 62 42 <u>310</u>	61 36 26 18 <u>141</u>	
<u>U T T A R P R A D E S H</u>					
17. Indian Institute of Technology, Kanpur (C.G.) 1960.	Civil Mech. Elec. Meta. Chem. Aero.	70 70 70 40 40 30	74 65 50 46 38 - <u>273</u>	* * * * * @	*- 5-year course started in 1960. @- The elective Aero. Engg. introduced in 1964.
18. National Sugar Institute, Kanpur (C.G.) 1936.	Sugar Tech. Sugar Engg.	20 4 24	43 - <u>43</u>	37 - <u>37</u>	
19. Madan Mohan Malviya Engg. College, Gorakhpur (S.G) 1962.	Civil Mech. Elec.	30 45 45	15 23 22 <u>60</u>	* * * <u>---</u>	*- 4-year course started in 1962.
20. H.B. Technological Institute, Kanpur (S.G.) 1921.	Mech. Elec. Chem. Cil Chem. & Tech.	25 25 60 8	29 29 59 10 <u>127</u>	@ @ 23 7 <u>30</u>	Sanctioned admission capacity increased by 65.
b) 3 year after B.Sc.	Chem. Tech. Bio Chem. Plast. Paints Food.	15 15 15 15 15	12 15 9 10 10	* * * * *	@- Course started in 1964. *- Course started in 1964.

1.	2.	3.	4.	5.	6.
21. Government Central Textile Instt., Kanpur (S.G.) 1914.	Text. Tech. Text. Chem.	20 10 <u>30</u>	23 11 <u>34</u>	9 4 <u>13</u> *	*- Break up estimated.
22. Motilal Nehru Regional College of Engineering Allahabad (C.S.G.) 1961.	Civil Mech. Elec.	70 90 <u>90</u> 250	65 88 88 <u>241</u> &	@ @ @ @	@- 4-year course started in 1961. @- Break up approximate.
23. University of Roorkee, Roorkee (U) 1847.	a) <u>4-year courses</u>				
	Civil Mech. Elec. Tele. Comm. Meta. Chem. Arch.	120 90 90 30 60 30 30 <u>50</u>	94 66 66 37 48 32 31 <u>374</u>	128 63 65 23 * * 14 <u>293</u>	*- 4-year course started in 1963.
	b) <u>3-year after B.Sc.</u>				
	Civil Tele- Comm.	60 30 <u>90</u>	Nil Nil <u>Nil</u>	* * *	*- Course introduced in 1963. No admissions made during 1964.
24. College of Engineering & Technology, Muslim University, Aligarh (U) 1935.	Civil Mech. Elec.	60 90 <u>90</u> 240	60 90 90 <u>240</u> *	53 40 <u>36</u> <u>129</u>	*- Includes 120 students (C=30, M=45, E=45) admitted direct to 2nd year of the 5-year integrated course.
25. Engineering College, B.H.U. Varanasi (U) 1919.	Civil Mech. Elec.	100 125 <u>125</u> 350	104 130 130 <u>364</u>	72 94 <u>74</u> <u>240</u>	
26. College of Mining and Metallurgy, Banaras Hindu University, Varanasi (U) 1923.	Min. Meta.	40 60 <u>100</u>	51 50 <u>101</u>	33 51 <u>84</u>	
27. College of Technology, Banaras Hindu University, Varanasi (U) 1939.	Chem. Silic. Tech. Pharm.	60 30 22 <u>112</u>	60 29 29 <u>118</u>	41 2 <u>12</u> <u>55</u>	Sanctioned admission capacity increased by 30 in Chem. Engg.
28. J.K. Institute of Applied Physics, Allahabad Univ., Allahabad (U) 1955.	Radio Phys. Electronics	20	20	10	Estimated.

1.	2.	3.	4.	5.	6.
29. College of Agricultural Engg. & Technology, U.P. Agricultural University, Pantnagar (U) 1962.	Agri.	75	85	*	*- 4-year course started in 1962.

30. Allahabad Agricultural Institute, Allahabad (F) 1910.	Agri.	40	40	19	
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31. Engineering College Dayal Bagh, Agra (P) 1950.	Mech.	60	39	35
	Elec.	60	38	21
		<u>120</u>	<u>77</u>	<u>56</u>

EASTERN REGION

3 ASSAM

32. Assam Engineering College, Gauhati. (S.G.) 1955.	Civil	60	46	86	* Includes 23 students admitted direct to 2nd year of the 5-year integrated courses. Break-up estimated. * 5-year course started in 1963.
	Mech.	60	40	12	
	Elec.	60	40	15	
	Chem.	30	16	*	
		<u>210</u>	<u>142x</u>	<u>113</u>	

33. Jorhat Engineering College, Jorhat. (S.G.) 1960.	Civil	60	62	36	* 5-year course started in 1964. (60 seats transferred from Gauhati to Jorhat).
	Mech.	60	31	*	
	Elec.	60	31	*	
		<u>180</u>	<u>124</u>	<u>36</u>	

BIHAR

34. Indian School of mines, Dhanbad. (C.G.) 1926.	Min.	90	123	92	* Includes 53 students admitted direct to 2nd year and 2 to third year of the 5-year integrated courses.
	Appl. Geol.	20	15	19	
	Appl. Geophy.	20	21	7	
	Petro. Tech.	20	37	21	
		<u>150</u>	<u>196@</u>	<u>139</u>	

35. Bihar Institute of Technology, Sindri. (S.G.) 1950.	Civil	50	44	25	* Includes 145 students admitted direct to 2nd year of 5-year integrated courses. * Includes 14 for Production Engg. @ Includes 16 for Production Engg.
	Mech.	120	98 £	91@	
	Elec.	70	72	67	
	Tele.	30	26	16	
	Comm.				
	Meta.	60	26	28	
	Chem.	60	26	23	
	<u>390</u>	<u>292*</u>	<u>250</u>		

1.	2.	3.	4.	5.	6.
36. Bhagalpur College of Engineering, Bhagalpur (S.G.) 1960.	Civil Mech. Elec.	30 45 45 <u>120</u>	65 - - <u>65</u>	22 41 40 <u>103</u>	No admission made this year to Mech. & Elec. Engg. 5-year integrated courses introduced in 1964.
37. Muzaffarpur Institute of Technology, Muzaffarpur (S.G.) 1954.	Civil Mech. Elec.	60 60 60 <u>180</u>	71 35 35 <u>141</u>	39 25 23 <u>87</u>	
38. Regional Institute of Technology, Jamshedpur (C.S.G) 1960.	Civil Mech. Elec. Meta.	60 75 75 40 <u>250</u>	67 80 80 45 <u>272</u> &	* * * * *	*-5-year integrated course started in 1960. £-Break-up estimated Includes 45 students admitted direct to 2nd year.
39. Bihar College of Engineering, Patna University, Patna (U) - 1924.	Civil Mech. Elec.	60 60 60 <u>180</u>	72 * 27 28 <u>127</u>	46 43 30 <u>119</u>	*-Includes 5 students admitted direct to 2nd year of 5-year integrated course.
40. Birsa Institute of Technology, Ranchi (P) 1955	Civil Mech. Elec.	90 120 90 <u>300</u>	90 120 90 <u>300</u>	41 71 64 <u>176</u>	£-Break-up approved in 1955 but not yet implemented.
<u>O_R_I_S_S_A</u>					
41. Regional Engineering College, Rourkela (C.S.G) - 1961. (Regional College from 1962)	Civil Mech. Elec. Meta. Chem.	30 80 80 30 30 <u>250</u>	21 52 52 21 21 <u>167</u> &	* * * * * *	*- 5-year course started in 1961. £- Break up estimated.
42. University College of Engineering, Burla (U) -1955.	Civil Mech. Elec.	120 60 60 <u>240</u>	121 61 61 <u>243</u>	54 37 18 <u>109</u>	Sanctioned admission capacity increased by 60.

1.	2.	3.	4.	5.	6.
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WEST BENGAL

43. Indian Institute of Technology, Kharagpur (C.G.) -1951. a) 5-Year integrated (Except Arch. & Naval Arch.)

Civil	70	81	40	*- Includes 54 students admitted direct to 2nd year of 5-year integrated courses.
Mech.	70	75	59	
Elec.	40	47	37	
Electronics & Elec. Comn.	30	35	10	
Min.	25	26	12	
Meta.	35	47	22	
Chem.	45	47	17	
Agri.	20	23	8	
Arch.	30	31	14	
Naval Arch.	15	15	5	
Appl. Geol. & Expl. Geophy.	20	24	9	
	<u>400</u>	<u>451</u> *	<u>233</u>	

b) 3-year after B.Sc.

Civil	20	8	*	* Course started in 1963-64. Sanctioned admission capacity increased by 60.
Mech.	20	9	*	
Elec.	20	8	*	
Electronics & Elect. Comn.	20	13	*	
Meta.	20	1	*	
Chem.	20	8	*	
	<u>120</u>	<u>47</u>		

44. Bengal Engineering College, Shibpore, Howrah (S.G.) -1856.	Civil	160	186	172
	Mech.	60	77	55
	Elec.	60	69	113
	Tele-Comn.	40	11	-
	Min.	30	23	25
	Meta.	30	31	33
	Arch.	20	13	14
		<u>400</u>	<u>410</u>	<u>412</u>

45. North Calcutta Engineering College, Dakshineswar (C/o B.E. College, Howrah.) (S.G.) 1962.	Civil	30	14	*	*- 5-year course started in 1962.
	Mech.	60	32	*	
	Elec.	60	19	*	
		<u>150</u>	<u>65</u>		

46. Jalpaiguri Engineering College, Jalpaiguri (S.G.) -1961.	Civil	30	38	*	*- 5-year course started in 1961.
	Mech.	60	70	*	
	Elec.	60	85	*	
		<u>150</u>	<u>193</u>		

	1.	2.	3.	4.	5.	6.
47. College of Leather Technology, Calcutta (S.G.) 1919.	Leath. Tech.	10	12	7		
48. College of Textile Technology, Berhampore (S.G.)-1927.	Text. Tech.	30	32	25		
49. College of Textile Technology, Serampore (S.G.) -1908.	Text. Tech.	30	35	22		
50. College of Ceramic Technology, Calcutta (S.G.) -1963.	Ceram. Tech.	12	12	*		*- 4-year course (not approved by Govt. of India) started in 1963.
51. Regional Engineering College, Durgapur (C.S.G.) -1960.	Civil	30	33	*		*- 5-year course started in 1960.
	Mech.	90	102	*		@- 5-year ^{course} started in 1964.
	Elec.	60	68	*		
	Meta.	40	45	*		
	Chem.	30	17	@		% Includes 6 students admitted direct to second year.
		<u>250</u>	<u>265</u> %			
52. University College of Engineering & Technology, Jadavpur University, Calcutta (U) -1906.	a) <u>Full-Time</u>					
	Civil	90	122	111		*- 4-year course started in 1963.
	Mech.	90	112	116		@- Includes 15 students admitted direct to 2nd year of the 5-year integrated courses.
	Elec.	90	111	125		
	Tele-	40	48	45		
	Comm.					
	Chem.	60	69	64		
	Pharm.	30	32	*		
		<u>400</u>	<u>494</u> %	<u>461</u>		
	<u>3-year after B. Sc.</u>					
Food Tech. & Bio Chem.	15	15	*		*- Course started in 1964.	
b) <u>Part-Time</u>						
Civil	60	93	48			
Mech.	30	38	12			
Elec.	30	41	8			
	<u>120</u>	<u>172</u>	<u>68</u>			
53. Department of Applied Chemistry Calcutta Univ., Calcutta (U) -1920.	Chem. Tech.	36	34	38		
54. Department of Appl. Physics, Calcutta Univ., Calcutta (U)-1925.	Appl. Phys.	25	25	25		
55. Institute of Radio Physics & Electronics, Calcutta University, Calcutta (U) -1949.	Radio Phys. & Electronics.	20	24	16		

1.		2.	3.	4.	5.	6.
WESTERN REGION						
G U J A R A T						
56.	L.D. College of Engineering, Ahmedabad (S.G.)-1948.	Civil Mech. Elec.	120 120 60 <u>300</u>	121 120 60 <u>301</u>	79 90 44 <u>213</u>	
57.	Lukhdhirji Engineering College, Morvi (S.G.)-1940.	Civil Mech. Elec.	60 90 90 <u>240</u>	54 90 89 <u>233</u>	22 20 29 <u>71</u>	Sanctioned admission capacity increased by 60 - Not approved by Govt. of India.
58.	Sardar Vallabhbhai Regional College of Engineering & Technology, Surat (C.S.G.)-1961.	Civil Mech. Elec.	70 90 90 <u>250</u>	60 30 30 <u>120</u> *	1 9 8 <u>18</u>	*- Break up estimated.
59.	Faculty of Technology & Engineering, M.S. University of Baroda, Baroda(U)-1949.	Civil Mech. Elec. Chem. Text. Tech. Arch.	120 90 90 30 25 40 <u>395</u>	130 99 99 33 60 43 <u>464</u> @	133 173 105 * 22 34 <u>467</u>	*- 5-year course started in 1963. @- Break up estimated.
60.	Birla Vishwakarma Mahavidyalaya, P.O. Vallabh Vidyanagar, Distt. Kaira(P)-1948.	Civil Mech. Elec.	120 90 90 <u>300</u>	123 90 90 <u>303</u>	150 55 45 <u>250</u>	
61.	L.M. College of Pharmacy, Ahmedabad (P)-1947.	Pharm.	75	95*	64	*- Includes repeaters.

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1.	2.	3.	4.	5.	6.
<u>M I D H Y A P R A D E S H</u>					
62. Government Collage of Engineering and Technology, Raipur (S.G.)-1956.	Civil Mech. Elec. Min. meta Chem.	40 70 70 30 30 30	46 71 71 34 34 34	16 35 12 20 25 *	*- 5-year course started in 1962. £- Break up estimated.
		<u>270</u>	<u>290</u> £	<u>100</u>	
63. Government Engineering College, Jabalpur (S.G.) -1947.	a) <u>5-year integrated</u> Civil Mech. Elec. Tele- Comn:	90 90 90 40 310	90 90 90 40 310	95 77 62 15 249	
	b) <u>3-year after B.Sc.</u> Mech. Elec. Tele- Comn.	20 20 20 60	11 - 10 21	* - * *	*- Course started in 1963.
64. Government Engineering College, Bilaspur (S.G.) -1964.	Civil Mech. Elec.	40 40 40 120	40 40 40 120	* * *	*- Institute started in 1964 with 5-year integrated course.
65. Government Engineering College, Rewa (S.G.)-1964.	Civil Mech. Elec.	40 40 40 120	40 40 40 120	* * *	*- Institute started in 1964 with 5-year integrated course.
66. Maulana Azad College of Engineering and Technology, Bhopal (C.S.G.)-1960	Civil Mech. Elec. Arch.	40 90 90 30 250	35 77 77 15 204 @	* * * £	@- Break up estimated. *- 5-year course started in 1960. £- 5-year course started in 1963.
67. Department of Pharmacy, University of Saagar, Saagar(U) -1952.	Pharm.	15	18	19	
68. Machav Engineering College, Gwalior (P) -1957.	Civil Mech. Elec.	60 60 60 180	66 66 66 198 £	25 22 24 71	£- Break up estimated.

1.	2.	3.	4.	5.	6.
69. Shri Govindram Saksaria Technological Institute, Indore (P)-1952.	Civil Mech. Elec.	60 90 90	68 101 101	25 37 25	*- Break up estimated.
		<u>240</u>	<u>270*</u>	<u>87</u>	
70. Samrat Ashok Technological Institute (Degree College), Vidisha (F) -1960.	Civil Mech. Elec.	60 30 30	65 33 32	* * *	*- 5-year course started in 1960.
		<u>120</u>	<u>130 @</u>		@- Break-up estimated.
<u>M A H A R A S H T R A</u>					
71. Indian Institute of Technology, Bombay (C.G.) -1958.	a) <u>5-year integrated</u>				
	Civil Mech. Elec. Meta Chem.	60 60 60 75 65	73 69 75 92 79	18 31 26 18 22	@- Includes 70 students (Civil=14, Mech=16, Elec=12, Meta=17 and Chem=11) admitted direct to 2nd year of the 5-year integrated courses.
		<u>320</u>	<u>388@</u>	<u>115</u>	
	b) <u>3-year after B.Sc.</u>				
	Elec. Chem.	20 20	- 11	* *	*- Course started in 1963. No admissions made in Elec. Engg. in 1964.
		<u>40</u>	<u>11</u>		
72. College of Engineering, Aurangabad (S.G.)-1960.	Civil Mech. Elec.	60 60 60	60 60 60	19 18 14	Sanctioned admission capacity increased by 30.
		<u>180</u>	<u>180 *</u>	<u>51</u>	*- Break up estimated.
73. College of Engineering, Karad (S.G.) 1960.	Civil Mech. Elec.	60 60 60	57 57 57	15 25 17	Sanctioned admission capacity increased by 30.
		<u>180</u>	<u>171 *</u>	<u>57</u>	*- Break up estimated.
74. College of Engineering, Poona (S.G.) -1954.	Civil Mech. Elec. Tele- Comm. Meta	160 85 85 40 60	160 80 80 40 65	70 73 59 17 23	&- Break up estimated.
		<u>430</u>	<u>429</u>	<u>242</u>	

1.	2.	3.	4.	5.	6.
75. College of Engineering, Amravati (S.G.)-1964.	Civil Mech. Elec.	40 40 40 <u>120</u>	50 10 50 <u>150</u>	6 6 6 <u>18</u>	3-year course started in 1964. Break up estimated.
76. Sir J.J. College of Architecture, Bombay (S.G.)-1896.	Arch.	100	01	0	
77. Government Polytechnic, Nagpur (S.G.)-1914	Arch.	30	30	6	
78. Visvesvaraya Regional College of Engineering, Nagpur (C.S.G.)-1956.	Civil Mech. Elec.	70 90 90 <u>250</u>	50 50 50 <u>150</u>	29 23 26 <u>78</u>	Integrated into Regional Engg. College in 1960.
79. Department of Chemical Technology, Bombay University, Bombay (U)-1934.	Chem. Pharm. Text. Chem. Food Tech. Interm & Dyes Plast Figs, Paints & Varni. Oils, Fats & Waxes. Pharma. Neutrals & Fine Chemicals	60 12 34 15 16 8 8 8 15 18 <u>170</u>	68 15 35 15 16 8 8 16 18 <u>199</u>	42 10 34 13 14 7 5 17 17 <u>156</u>	
80. Laxminarayan Institute of Technology, Nagpur (U)-1942.	a) <u>4-year course</u> Chem. b) <u>3-year after B.Sc.</u> Civil & Chem. Tech.	60 60 10 10	60 60 10 10	26 26 @	@- Course started in 1964.
81. Department of Pharmacy, Nagpur University, Nagpur (U)-1956.	Pharm.	30	30	12	
82. Victoria Jubilee Technical Institute, Bombay (P)-1887	Civil Mech. Elec. Text. Tech.	60 50 50 20 <u>180</u>	700 580 570 20 <u>205</u>	22 39 27 18 <u>106</u>	@- Break up estimated.

1.	2.	3.	4.	5.	6.	
83. Walchand College of Engineering, Sangli (P) -1947.	Civil Mech. Elec.	60 60 60	62 63 63	33 54 24	111	Sanctioned admission capacity increased by 30. @- Break up estimated.
84. Sardar Patel College of Engineering, Bombay. (P) -1962.	Civil Mech. Elec.	60 60 60	63 63 63	* * *	189 @	3-year course started in 1962. @- Break up estimated. Sanctioned admission capacity increased by 60.
SOUTHERN REGION						
A N D H R A P R A D E S H						
85. College of Engineering, Anantapur (S.G) -1946.	a) <u>5-year integrated</u> Civil Mech. Elec.	30 75 75	30 75 75	13 22 25	6	
	b) <u>3-year after B.Sc.</u> Mech. Elec.	30 30	30 30	* *		Course started in 1964 without approval of the Govt. of India.
86. College of Engineering, Kakinada (S.G.) -1946.	a) <u>5-year integrated</u> Civil Mech. Elec. Tele- Comm.	30 60 60 30	30 59 59 30	9 25 25 6	65	Break up estimated.
	b) <u>3-year after B.Sc.</u> Mech. Elec. Tele- Comm.	30 @ 30 @ 30	30 30 30	* * *	90	Course started in 1963. @- Not approved by the Govt. of India.
87. Government College of Fine Arts and Architecture, Hyderabad (S.G.) -1940.	Arch.	45	45		6	
88. Regional Engineering College, Warangal (C.S.G.) 1959.	Civil Mech. Elec. Meta Chem.	50 70 70 30 30	55 75 75 30 15	9 51 20 * *	80	*- 5-year course started in 1964.

1.	2.	3.	4.	5.	6.
89. Sri Venkateswara University College of Engineering, Tirupathi (U) -1959.	Civil Mech. Elec.	40 40 40	30 45 45	17 20 15	
		<u>120</u>	<u>120</u>	<u>52</u>	
90. University College of Engineering, Osmania University, Hyderabad (U) -1929.	a) <u>5-year integrated</u> Civil Mech. Elec. Tele- Comn. Min.	60 75 70 25 <u>25</u> <u>255</u>	60 75 70 25 <u>25</u> <u>255</u>	26 60 35 7 5 <u>133</u>	
	b) <u>3-year after B.Sc.</u> Civil Mech Elec Tele- Comn	30 30 30 10 <u>100</u>	- 31 31 11 <u>73</u>	* * * * *	*- Course started in 1963.
	c) <u>Part-time</u> Civil Mech. Elec. Tele- Comn.	20 20 20 20 <u>80</u>	20 18 18 - <u>56</u>	* * * * *	*- Course started in 1963.
91. Department of Chemical Technology, Osmania University, Hyderabad (U) -1943.	Chem.	60	60	38	
92. Andhra University College of Engineering, Waltair (U) -1955.	a) <u>5-year integrated</u> Civil Mech. Elec.	60 30 60	30 45 46	42 27 23	Sanctioned admission capacity increased by 30.
		<u>150</u>	<u>121</u>	<u>92</u>	
	b) <u>3-year after B.Sc.</u> Civil	30	30	*	*- Course started in 1963 without the approval of the Govt. of India.
93. J.V.D. College of Science & Technology, Andhra University, Waltair (U) -1933.	Chem.	60	60	31	
94. Department of Pharmacy, Andhra University, Waltair (U) -1955.	Pharm.	20	20	19	Separated from J.V.D. College of Science & Technology in 1964. Sanctioned admission capacity increased

	1.	2.	3.	4.	5.	6.
K. E R A L A						
95. College of Engineering, Trichur (S.G.) -1958.	Civil	60	60	38	38	Sanctioned admission capacity increased by 30.
	Mech.	60	60	30	30	
	Elec.	60	30	22	22	
	Chem.	30	30	*	*	*- Course started in 1962.
		<u>210</u>	<u>180</u>	<u>90</u>	<u>90</u>	
96. College of Engineering, Trivandrum (S.G) -1939.	a) <u>5-year integrated</u>					
	Civil	70	60	54	54	*- Course started in 1964.
	Mech.	70	60	50	50	
	Elec.	70	60	58	58	@- Course started in 1962.
	Tele.	30	30	*	*	
	Comm.					
	Arch.	30	30	@	@	
		<u>270</u>	<u>240</u>	<u>162</u>	<u>162</u>	
	b) <u>3-year after B.Sc.</u>					
	Civil	30	30	*	*	*- Course started in 1963.
	Mech.	30	30	*	*	
	Elec.	30	30	*	*	
		<u>90</u>	<u>90</u>			
97. Regional Engineering College, Calicut (C.S.G.) -1961.	Civil	70	70	*	*	*- 5 year integrated course started in 1961.
	Mech.	90	90	*	*	
	Elec.	90	90	*	*	
		<u>250</u>	<u>250</u>			
98. Nair Service Society College of Engineering, Palghat (P) -1960.	Civil	40	41	4	4	@- Includes 4 students admitted direct to 2nd year of the 5-year integrated courses.
	Mech.	40	42	24	24	
	Elec.	40	41	*	*	
		<u>120</u>	<u>124</u> @	<u>28</u>	<u>28</u>	
99. Thangal Kunju Musaliar College of Engineering, Quilon (P) -1958.	Civil	60	60	36	36	Sanctioned admission capacity increased by 20.
	Mech.	60	60	31	31	
	Elec.	60	60	14	14	
		<u>180</u>	<u>180</u>	<u>81</u>	<u>81</u>	
100. Mar Athanasius College of Engineering, Kothamangalam (P) -1961.	Civil	40	41	*	*	*- 5-year integrated course started in 1961.
	Mech.	40	41	*	*	
	Elec.	40	40	*	*	
		<u>120</u>	<u>122</u> @			@- Includes 2 students admitted direct to 2nd year of the 5 year integrated courses.

MADRAS

101. Indian Institute of Technology, Madras (C.G.) - 1959.	a) <u>5-year integrated</u>				
	Civil	60	41	16	
	Mech.	70	60	28	
	Elec.	70	45	24	
	Meta.	60	30	13	
	Chem.	<u>60</u>	<u>30</u>	<u>11</u>	
		<u>320</u>	<u>206</u>	<u>92</u>	
	b) <u>3-year after B.Sc.</u>				
	Civil	10	12	*	
	Mech.	30	35	*	
	Elec.	30	34	*	
	Meta.	10	11	*	
	Chem.	<u>10</u>	<u>13</u>	*	
		<u>90</u>	<u>105</u>		
				*- Course started in 1963.	
102. College of Engineering, Guindy, Madras (S.G.) - 1958	a) <u>5-year integrated</u>				
	Civil	90	91	32	
	Mech.	60	61	54	
	Elec.	60	61	41	
	Tele- Comm.	40	40	-	
	Min.	<u>25</u>	<u>25</u>	<u>-</u>	
		<u>275</u>	<u>278@</u>	<u>127</u>	
	b) <u>3-year after B.Sc.</u>				
	Civil	20	19	*	
	Mech.	20	20	*	
	Elec.	20	20	*	
	Tele- Comm.	20	17	*	
		<u>80</u>	<u>76</u>		
				*- Course started in 1963.	
103. Government College, of Technology, Coimbatore (S.G.) - 1945.	a) <u>5-year integrated</u>				
	Civil	60	40	14	
	Mech.	60	60	28	
	Elec.	<u>60</u>	<u>40</u>	<u>14</u>	
			<u>180</u>	<u>140</u>	<u>56</u>
	b) <u>3-year after B.Sc.</u>				
	Civil	20	20	*	
	Mech.	<u>20</u>	<u>20</u>	*	
		<u>40</u>	<u>40</u>		
				*- Course started in 1963.	
104. Department of Pharmacy, Madras Medical College, Madras. (S.G.) - 1935.	Pharm.	25	25	1	

1.	2.	3.	4.	5.	6.
105. Regional Engineering College, Tiruchirappalli (C.S.G.)-1964.	Civil Mech. Elec. meta.	40 90 80 40	20 43 38 19	@ @ @ @	@- 5-year course started in 1964.
		<u>250</u>	<u>120</u> *		*- Break up estimated.
106. Department of Engineering, Annamalai University, Annamalainagar(U) -1945.	CIVIL Mech. Elec.	60 30 60	60 40 60	40 55 20	*- Break up estimated.
		<u>150</u>	<u>180</u> *	<u>115</u>	
107. Department of Technology, Annamalai University, Annamalainagar(U) -1945.	Chem.	60	0	34	
108. A.C. College of Technology, Guindy, Madras(U) -1944.	Chem. Text. Tech. Leath. Tech.	60 30 15	60 30 10	29 9 2	
		<u>105</u>	<u>100</u>	<u>40</u>	
109. School of Architecture, Madras University, Madras (G/o A.C. College of Technology, Guindy, Madras)(U) -1957.	Arch.	20	20	15	
110. Madras Institute of Technology, Chromepet, Madras(I)-1949.	Civ. Engrg. Mech. Elec. Instr. Tech.	30 30 20 30	30 30 9 31	21 28 9 31	3-year course after B.Sc.
		<u>100</u>	<u>100</u>	<u>99</u>	
111. P.S.G. College of Technology, Coimbatore(P) -1951.	a) 5-year integrated				
	Civil Mech. Elec.	60 60 60	48 49 49	16 32 30	@- Break up estimated.
		<u>180</u>	<u>146</u> @	<u>78</u>	
	b) 3-year after B.Sc.				
	Mech. Elec.	20 20	19 15	* *	*- Course started in 1963.
		<u>40</u>	<u>34</u>		
112. Coimbatore Institute of Technology, Coimbatore (I) -1956.	Civil Mech. Elec. Chem.	60 80 40 30	50@ 67@ 33@ 30	13 25 9 *	Sanctioned admission capacity increased by 20. *-5-year course started in 1963
		<u>210</u>	<u>180</u>	<u>47</u>	@-Break up estimate
113. A.C. College of Engineering and Technology, Karaikal(I)-1950.	Civil Mech. Elec.	60 60 60	60 60 60	15 40 16	
		<u>180</u>	<u>180</u>	<u>71</u>	

1.	2.	3.	4.	5.	6.
114.Thiagarajar College of Engineering, Madurai(P) -1953.	Civil Mech. Elec.	60 60 60 <u>180</u>	60 60 60 <u>180</u>	9 20 20 <u>49</u>	
<u>M_Y_S_O_R_E</u>					
115.B.D.T. College of Engineering, Davangere(S.G) -1951.	Civil Mech. Elec.	60 60 60 <u>180</u>	60 30 30 <u>120</u>	31 32 15 <u>78</u>	
116.S.K.S.J.Technolo- gical Institute, Bangalore(S.G.) -1938.	Text. Tech.	30	27 *	18	*- Includes 7 students admitted direct to 2nd year of the course.
117.Karnataka Regional Engineering College, Surathkal, Mangalore(C.S.G.) -1960.	Civil Mech. Elec.	70 90 90 <u>250</u>	72 90 90 <u>252</u>	@ @ @	@- 5-year course started in 1960.
118.University College of Engineering, Bangalore (U) -1917.	Civil Mech. Elec.	90 75 75 <u>240</u>	90 62 62 <u>214</u>	22 39 31 <u>92</u>	
119.Indian Institute of Science, Bangalore (U) -1909.	Elec. Comm. Meta. Elec. Tech.	60 60 60 30 <u>150</u>	31 31 29 <u>91</u>	26 28 27 <u>81</u>	3-year courses after B.Sc.
120.B.M.S. College of Engineering, Bangalore(P) -1946.	Civil Mech. Elec.	40 40 40 <u>120</u>	46 46 46 <u>138@</u>	52 59 45 <u>156</u>	@- Includes 6 students admitted direct to 2nd year of the 5-year integrated courses. Break-up estimated.
121.Engineering College, Gulbarga (P)- 1953.	Civil Mech. Elec.	40 40 40 <u>120</u>	43 44 43 <u>130 @</u>	19 8 27 <u>54</u>	@- Break up estimated.
122.Malnad College of Engineering, Hassan (P)-1960.	Civil Mech. Elec.	40 40 40 <u>120</u>	40 40 40 <u>120</u>	* * *	*- 5-year course started in 1960.

1.	2.	3.	4.	5.	6.	
123. B.V. Bhoomradai College of Engineering & Technology, Hubli (F)-1948.	Civil Mech. Elec.	60 60 60 <u>180</u>	41 41 42 <u>124</u> £	31 25 20 <u>76</u>	£-	Includes 4 students admitted direct to 2nd year of the 5-year integrated courses.
124. National Institute of Engineering, Mysore (F)-1946.	Civil Mech. Elec.	60 60 60 <u>180</u>	40 40 40 <u>120</u>	37 40 21 <u>98</u>		
125. Manipal Engineer- ing College, Manipal (F) -1957.	Civil Mech. Elec.	90 90 60 <u>240</u>	90 90 60 <u>240</u>	26 11 6 <u>43</u>		Not approved by Govt. of India.
126. M.S. Ramaiah College of Engineering, Bangalore (F) -1962.	Civil Mech. Elec.	40 40 40 <u>120</u>	44 44 44 <u>132</u> *	£ £ £	£-	Institution started in 1962 without approval of the Govt. of India. *- Break up estimated.
127. P.B.S. College of Engineering, Mandya (F)-1962.	Civil Mech. Elec.	40 40 40 <u>120</u>	44 44 44 <u>132</u> *	@ @ @	@-	Institution started in 1962 without approval of the Govt. of India. *- Break up estimated.
128. R.V. College of Engineering, Bangalore(F)	Civil Mech. Elec.	40 40 40 <u>120</u>	60 61 60 <u>181</u>	* * *	*-	Institution started without approval of the Govt. of India. Includes 55 students admitted direct to 2nd year of the 5-year integrated courses. Break-up estimated.
129. Basaveshwar Engineering College, Bagalkot(F)-	Civil Mech. Elec.	40 40 40 <u>120</u>	20 20 20 <u>60</u> £	* * *	*-	Institute started without approval of the Govt. of India. £- Break up estimated.

1.	2.	3.	4.	5.	6.
130. Sri Jayachama- rajendra College of Engineering, Mysore (F)	Civil Mech. Elec.	40 40 40 <u>120</u>	53 53 53 <u>159</u>	* * *	*- Institute started without t approval of the e Govt. of India... £- Includes 34 students admitted direct t to 2nd year of the 5-year integrated courses. Break up estimated.
131. Sree Siddaganga College of Engineering, Tumkur (F)	Civil Mech. Elec.	40 40 40 <u>120</u>	53 54 53 <u>160</u> &	* * *	*- Institute started without approval of the Govt. of India. £- Includes 40 students admitted direct. to 2nd year of the 5-year integrated courses. Break up estimattated.

NOTE: I

C.G. - indicates Central Government Institution.
S.G. - indicates State Government Institution.
C.S.G.- indicates Central and State Government Institution
U - indicates University institution.
P - indicates Private (Non-Government) institution.

NOTE: II

Civil - Civil Engineering
Mech. - Mechanical Engineering
Elec. - Electrical Engineering
Tele/
Elec. - Tele/Electrical Communication Engineering
Comn.
Min. - Mining Engineering
Meta - Metallurgy
Chem. - Chemical Engineering
Text. - Textile Technology
Tech.
Arch. - Architecture
Naval - Naval Architecture
Arch.
Aero - Aeronautical Engineering

Contd.....

Auto	-	Automobile Engineering
Agri.	-	Agricultural Engineering
Pharm.	-	Pharmacy
Leath.	-	Leather Technology
Tech.		
Appl.	-	Applied Geology
Geol.		
Appl./Exp.-		Applied/Exploration Geophysics
Geophy.		
Appl.	-	Applied Physics.
Phys.		
Petro.	-	Petroleum Technology.
Tech.		
Ceram.	-	Ceramics Technology
Tech.		
Text.	-	Textile Chemistry
Chem.		
Silic.	-	Silicate Technology
Oil Chem.-		Oil Chemistry & Technology
& Tech.		
Bio Chem.-		Bio Chemical Engineering
Plast.	-	Plastics Technology
Paints	-	Paints Technology
Food	-	Food Technology
Sugar	-	Sugar Technology
Tech.		
Sugar	-	Sugar Engineering
Engg.		
Food Tech. -		Food Technology & Bio
& Bio Chem.		Chemistry
Chem.	-	Chemical Technology
Tech.		
Interm &-		Technology of Intermediates & Dyes
Dyes		
Pigms	-	Technology of Pigments.
Paints & -		Technology of/ Paints & Varnishes
Varni		
Oils, Fats		Technology of Oils, Fats & Waxes.
& Waxes.		
Waxes.		
Instr.	-	Instruments Technology.
Tech.		
Pharma-		
ceuticals -		Technology of Pharmaceuticals and
& Fine		Fine Chemicals.
Chemicals		

Institutions conducting 3-year degree
courses in engineering & technology
for Science Graduates.

<u>Sl. No.</u>	<u>Name of the Institution</u>	<u>Admission Capacity</u>	<u>Actual Admissions</u>
1.	Roorkee University, Roorkee.	90	
2.	University College of Engineering & Technology, Jadavpur University, Calcutta.	15	15
3.	Government Engineering College, Jabalpur	60	21
4.	Laxminarayan Institute of Technology, Nagpur.	10	10
5.	College of Engineering, Anantapur.	60	60
6.	College of Engineering, Andhra University, Waltair	30	30
7.	College of Engineering, Kakinada.	90	90
8.	University College of Engineering, Osmania University, Hyderabad.	100	73
9.	College of Engineering, Trivandrum	90	90
10.	College of Engineering, Guindy, Madras.	80	76
11.	Government College of Technology, Coimbatore	40	40
12.	I.S.G. College of Technology, Coimbatore	40	34
13.	Indian Institute of Technology, Kharagpur	120	47
14.	Indian Institute of Technology, Bombay.	40	11
15.	Indian Institute of Technology, Madras	90	105
	TOTAL:	<u>955</u>	<u>702</u>
16.	Madras Institute of Technology, Chromepet, Madras.	100	100
17.	Indian Institute of Science, Bangalore.	150	91
	TOTAL:	<u>250</u>	<u>191</u>
	GRAND TOTAL:	<u>1205</u>	<u>893</u>

Institutions which have been approved but
have not yet started the 3-year degree
courses for Science-Graduates

<u>Sl.No.</u>	<u>Name of the Institution</u>	<u>Sanctioned Admission Capacity</u>
1.	M.C. College of Engineering & Technology, Karaikudi	40
2.	M.C. College of Technology, Guindy, Madras	30
3.	Engineering College, Trichur	60
4.	B.M.S. College of Engineering, Bangalore.	60
5.	University College of Engineering, Bangalore	60
6.	National Institute of Engineering, Mysore.	40
7.	J.V.D. College of Science & Technology, Waltein.	30
8.	College of Engineering, Poona	10
9.	Faculty of Engineering, Jodhpur University, Jodhpur.	60
10.	Bihar Institute of Technology, Sinari.	60
11.	Institute of Radio Physics & Electronics, Calcutta University, Calcutta.	
12.	Bengal Engineering College, Howrah.	*
13.	Department of Applied Chemistry, Calcutta University, Calcutta.	*

(* Intake not yet decided)

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