

CODES FOR VARIOUS COURSES

COURSE		IIT						IT-BHU	ISM	
		BOMBAY	DELHI	GUWAHATI	KANPUR	KHARAGPUR	MADRAS	ROORKEE	VARANASI	DHANBAD
		B	D	W	K	G	M	R	V	S
Four-year B.Tech. Courses										
1	Aerospace Engineering	B001 31(2)+17 10+4			K001 24+13(1) 7+4	G001 16(1)+9 5+2	M001 19(1)+10(1) 5+3			
2	Agricultural and Food Engineering					G002 17(1)+9 5+3				
3	Biological Sciences and Bioengineering				K003 20(1)+11 6+3					
4	Biotechnology			W004 27(1)+14(1) 8(1)+4			M004 23(1)+12 7(1)+3	R004 24+13(1) 7+4		
5	Biotechnology and Biochemical Engineering					G005 14(1)+7 4+2				
6	Ceramic Engineering							V006 30(1)+16 9(1)+4		
7	Chemical Engineering	B007 44(1)+24(1) 13+7	D007 36+19(1) 11(1)+5	W007 33(1)+18 10(1)+5	K007 39(1)+20 11(1)+6	G007 26+14(1) 8+4	M007 37(1)+20(1) 11+5	R007 28(1)+15 8+4(1)	V007 60(2)+32(1) 18+9(1)	S007 11+6 3+2
8	Chemical Science and Technology			W008 21+11(1) 6+3						
9	Civil Engineering	B009 59(3)+31 18+9	D009 55(1)+30(1) 16+8(1)	W009 37(1)+20 11(1)+5	K009 53(1)+28(1) 16(1)+8	G009 31(1)+17 9+5(1)	M009 31(1)+17(1) 10(1)+5(1)	R009 60(1)+33(1) 17(1)+9(1)	V009 40(1)+22 12+6(1)	
10	Computer Science and Engineering	B010 44(1)+23(1) 13+7	D010 32+17 9(1)+5(1)	W010 37(1)+19(1) 11+6	K010 46(1)+25(1) 14+7(1)	G010 28(2)+15 8+4	M010 15+8 5+2(1)	R010 24+13(1) 7+4	V010 30(1)+16(1) 9+4	S010 47(2)+26(1) 14(1)+7
11	Electrical Engineering	B011 30(1)+16 9(1)+5	D011 32+17(1) 9+5(1)		K011 66(3)+36(1) 20+9	G011 28+15(1) 8(1)+4	M011 25+13(1) 7+4	R011 60(1)+33(1) 17(1)+9(1)	V011 40(1)+22 12(1)+6	S011 47(2)+24(1) 14+7(1)
12	Electrical Engineering (Power)		D012 16(1)+9 5+2							
13	Electronics Engineering							V013 40(1)+22 12+6(1)		

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14	Electronics and Communication Engineering			W014 36(1)+20(1) 11+6(1)				R014 28(1)+15 8(1)+4		S014 47(2)+26(1) 14(1)+7
15	Electronics and Electrical Communication Engineering					G015 31(1)+17(1) 9+5				
16	Electronics and Electrical Engineering			W016 20(1)+11 6+3						
17	Engineering Physics	B017 15+8(1) 5+2	D017 32+17 9(1)+5(1)	W017 21(1)+11 6+3			M017 15+8 5+2			
18	Environmental Engineering									S018 31(2)+17(1) 9+5(1)
19	Industrial Engineering					G019 15(1)+8 4+2				
20	Instrumentation Engineering					G020 16(1)+9 5+2				
21	Manufacturing Science and Engineering					G021 15(1)+8 4+2				
22	Materials Science and Engineering				K022 47(2)+25(1) 14+7					
	Metallurgical and Materials Engineering					G022 22+12(1) 7+3	M022 18(1)+10 5(1)+3	R022 48(1)+26(1) 14(1)+7		
23	Mathematics and Computing			W023 21(1)+11 6+3						
24	Mechanical Engineering	B024 47(1)+25(2) 14+7	D024 52(1)+28 15(1)+8(1)	W024 37(1)+20(1) 11+5	K024 50(1)+27(1) 15(1)+7	G024 34(2)+18 10+5	M024 38(1)+20 11+6	R024 40(1)+21(1) 12+6	V024 50(2)+27 15(1)+8	S024 52(2)+28(1) 15(1)+8
25	Metallurgical Engineering								V025 35(1)+19(1) 10+5	
26	Metallurgical Engineering and Materials Science	B026 34(1)+18 10(1)+5								
27	Mineral Engineering									S027 30(1)+16(1) 9(1)+5
28	Mining Engineering**					G028 20+11 6+3(1)		V028 50(2)+27(1) 15+8		S028 60+33 18+9
29	Mining Machinery Engineering**									S029 20+10 6+3
30	Naval Architecture and Ocean Engineering						M030 18(1)+10(1) 5+3			
31	Ocean Engineering and Naval Architecture					G031 17+9 5(1)+2				
32	Petroleum Engineering**									S032 52+28 15+8
33	Production and Industrial Engineering		D033 24(1)+13 7(1)+4					R033 24+13(1) 7+4		
34	Pulp and Paper Engineering							R034 54(2)+29 16(1)+9		
36	Textile Technology		D036 47(1)+25 14(1)+7(1)							

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Four-year B.S. Courses									
44	Chemistry				K044 14(1)+8 4+2				
45	Economics				K045 19+10(1) 6+3				
48	Mathematics and Scientific Computing				K048 25(1)+13 7(1)+4				
49	Physics				K049 14+8 4+2(1)				
Four-year B.Pharm. Course									
37	Pharmaceutics							V037 18(1)+10 5+3	
Four-year B.Des. Course									
38	Design**			W038 21+11 6+3					
Five-year B.Arch. Course									
39	Architecture**				G039 25+13(1) 8+4		R039 40(1)+21(1) 12+6		
Five-year M. Pharm. Dual Degree Course									
40	Pharmaceutics							V040 10+5 3(1)+2	
Five-year M.Sc. Integrated Courses									
41	Applied Geology ##				G041 18(1)+10 5+3				
42	Applied Mathematics						R042 16(1)+8 5+2		
43	Applied Physics								S043 16+8(1) 5+2
44	Chemistry	B044 16(1)+9 5+2			G044 17(1)+9 5+3		R044 16+8(1) 5+2		S044 16(1)+8 5+2
45	Economics				G045 22+12(1) 7+3				
46	Exploration Geophysics ##				G046 17+9 5(1)+3				
47	Mathematics and Computing				G047 24(1)+13 7+4				S047 16+8(1) 5(1)+2
49	Physics				G049 18(1)+10 5+3		R049 16(1)+8 5+2		
Five-year B.S. & M.S. Dual Degree Course									
50	Physics					M050 5+3 1+1			
Five-year M.Sc. Tech. Integrated Courses									
51	Applied Geology**								S051 15(1)+9 5+2

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52	Applied Geophysics								S052 16(1)+8 5+2	
Five-year M.Tech. Integrated Courses										
53	Geological Technology							R053 16(1)+8 5+2		
54	Geophysical Technology							R054 16+8(1) 5+2		
55	Engineering Physics							V055 10+5(1) 3+2		
56	Industrial Chemistry							V056 10(1)+5 3+2		
57	Mathematics and Computing		D057 24+13 7(1)+4					V057 10+5 3(1)+2		
58	Polymer Science and Technology							R058 16(1)+8 5+2		
Five-year M.Tech. Dual Degree Courses										
59	Aerospace Engineering					G059 10+5(1) 3+1	M059 7+4 1+1			
60	Aerospace Engineering with M.Tech. in Applied Mechanics with specializations in Biomedical Engineering						M060 4+2 1+1			
61	Agricultural and Food Engineering with M.Tech. in any of the listed specializations*					G061 17(1)+9 5+3				
62	Biochemical Engineering							V062 10(1)+5 3+2		
63	Biochemical Engineering and Biotechnology		D063 24+13 7+4(1)							
64	Bioengineering with M.Tech. in Biomedical Technology							V064 10(1)+5 3+2		
65	Biotechnology						M065 12+6 4+2			
66	Biotechnology and Biochemical Engineering					G066 13(1)+7 4+2				
67	Ceramic Engineering							V067 10+5(1) 3+2		
68	Chemical Engineering	B068 18(1)+10 5+3	D068 26(1)+14 8(1)+4			G068 14+7(1) 4+2	M068 9+5 3+1			
69	Chemical Engineering with M.Tech. in Hydrocarbon Engineering							R069 13(1)+7 4+2		
70	Civil Engineering with M.Tech. in Applied Mechanics in any of the listed specialization						M070 4+2 1+0			
71	Civil Engineering (Infrastructural Civil Engineering)						M071 7(1)+4 2+1			
72	Civil Engineering with M.Tech. in Structural Engineering							V072 10(1)+5 3+2		

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73	Civil Engineering under any of the listed specialization					G073 11+6 3(1)+2	M073 7+4 2+1			
74	Computer Science and Engineering		D074 16+9 5+2(1)			G074 20+11 6+3(1)	M074 13(1)+7 4+2	V074 8+4(1) 2+1		
75	Computer Science and Engineering with M.Tech. in Information Technology						R075 13(1)+7 4+2			
76	Electrical Engineering with M.Tech. in Applied Mechanics with specialization in Biomedical Engineering						M076 4+2 2+0			
77	Electrical Engineering with M.Tech. in Communications and Signal Processing	B077 16(1)+9 4+3								
78	Electrical Engineering (Communication Engineering)						M078 12+7 3+2			
79	Electrical Engineering with M.Tech. in Information and Communication Technology		D079 13+7 4(1)+2							
80	Electrical Engineering with M.Tech. in Microelectronics	B080 16(1)+9 5+2								
81	Electrical Engineering (Microelectronics and VLSI Design)						M081 12(1)+6 4+2			
82	Electrical Engineering with M.Tech. in any of the listed specializations*					G082 13(1)+7 4+2				
83	Electrical Engineering with M.Tech. in Power Electronics							R083 8(1)+4 2+1	V083 10+5(1) 3+2	
84	Electrical Engineering (Power Systems and Power Electronics)						M084 7+4 2+1			
85	Electronics and Communication Engineering with M.Tech. in Wireless Communication							R085 9(1)+5 3+1		
86	Electronics and Electrical Communication Engineering with M.Tech. in any of the listed specializations*					G086 20+11(1) 6+3				
87	Energy Engineering with M.Tech. in Energy Systems Engineering	B087 15+8(1) 5+2								
88	Engineering Design (Automotive Engineering)#						M088 22(1)+11(1) 7+3			
89	Engineering Design (Biomedical Design)#						M089 7+4 2+1			
90	Engineering Physics with M.Tech. in Engineering Physics with specialization in Nano Science	B090 6+3 2+1								
91	Industrial Engineering with M.Tech. in Industrial Engineering and Management					G091 14(1)+7 4+2				
92	Manufacturing Science and Engineering with M.Tech. in Industrial Engineering and Management					G092 10(1)+5 3+1				
93	Materials Science and Technology							V093 10(1)+5 3+2		
94	Mechanical Engineering							V094 10+5(1) 3+2		

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95	Mechanical Engineering with M.Tech. in Computer Aided Design and Automation	B095 12+6(1) 3+2								
96	Mechanical Engineering with M.Tech. in Computer Integrated Manufacturing (CIM)	B096 11(1)+6 3+2								
97	Mechanical Engineering (Thermal Engineering)						M097 12+7(1) 3+2			
98	Mechanical Engineering (Intelligent Manufacturing)						M098 12(1)+6 4(1)+2			
99	Mechanical Engineering (Product Design)						M099 12+6 4+2			
100	Mechanical Engineering with M.Tech. in any of the listed specializations*					G100 24(1)+13 7+4				
101	Metallurgical Engineering							V101 10+5 3(1)+2		
102	Metallurgical Engineering and Materials Science with M.Tech. in Ceramics and Composites	B102 15+8 5(1)+2								
103	Metallurgical Engineering and Materials Science with M.Tech. in Metallurgical Process Engineering	B103 14+7 4+2(1)								
	Metallurgical and Materials Engineering						M103 7+3 2+1			
104	Metallurgical and Materials Engineering with M.Tech. in Metallurgical and Materials Engineering					G104 10+5(1) 3+1				
105	Mineral Engineering with M.Tech. in Mineral Engineering									S105 9(1)+5 3+1
106	Mineral Engineering with MBA									S106 9(1)+5 2+2
107	Mining Engineering**					G107 10+5 3+1		V107 10+5(1) 3+2		
	Mining Engineering with M.Tech. in Mining Engineering**									S107 9+5 3+1
108	Mining Engineering with MBA**									S108 9+5 2+2
109	Mining Engineering with M.Tech. in Safety Engineering and Disaster Management in Mines**					G109 9+5 3+1				
110	Naval Architecture and Ocean Engineering						M110 5+3 2+0			
111	Naval Architecture and Ocean Engineering with M.Tech. in Applied Mechanics in any of the listed specializations						M111 4+2 1+1			
112	Ocean Engineering and Naval Architecture					G112 11+5 4(1)+2				
113	Petroleum Engineering with M.Tech. in Petroleum Management**									S113 9+5 3+1
114	Process Engineering with MBA							R114 16(1)+8 5+2		

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TOTAL : GE+OBC+SC+ST	443+237+133+67	429+231+126+65	311+166+92+46	417+224+124+62	677+362+201+101	423+226+126+63	585+311+173+86	531+282+158+86	521+280+155+78
TOTAL PD : GE+OBC+SC+ST (Total PD)	15+7+3+1 (26)	6+3+9+8 (26)	9+5+3+1 (18)	12+7+4+2 (25)	22+10+5+3 (40)	12+7+4+2 (25)	18+10+5+3 (36)	18+10+6+3 (37)	16+8+5+2 (31)
TOTAL : All CATEGORIES	880	851	615	827	1341	838	1155	1057	1034

Table-1 Continued

COURSE	IIT								
	BHUBANESWAR	GANDHINAGAR	HYDERABAD	INDORE	MANDI	PATNA	ROPAR	RAJASTHAN	
	A	N	H	E	C	P	U	J	
Four-year B.Tech. Courses									
7	Chemical Engineering		N007 20+11(1) 6(1)+3	H007 11+5 3(1)+1					
9	Civil Engineering	A009 20+11(1) 6+3(1)							
10	Computer Science and Engineering			H010 20(1)+11 6+3	E010 20(1)+11(1) 6+3	C010 20(1)+11 6+3	P010 20+11(1) 6+3	U010 20(1)+11 6+3	J010 20+11 6+3(1)
11	Electrical Engineering	A011 20(1)+11 6+3	N011 20(1)+11 6+3(1)	H011 20+11(1) 6+3	E011 20(1)+11 6+3	C011 20+11(1) 6+3	P011 20(1)+11 6+3	U011 20(1)+11 6+3	J011 20(1)+11 6+3
24	Mechanical Engineering	A024 20+11 6(1)+3	N024 20(1)+11 6+3	H024 20(1)+11 6+3	E024 20+11 6+3	C024 20(1)+11 6+3	P024 20(1)+11 6+3	U024 20+11(1) 6+3	J024 20(1)+11 6+3
35	Systems Science							J035 20(1)+11 6+3	
	TOTAL : GE+OBC+SC+ST	60+33+18+9	60+33+18+9	71+38+21+10	60+33+18+9	60+33+18+9	60+33+18+9	60+33+18+9	80+44+24+12
	TOTAL PD : GE+OBC+SC+ST	1+1+1+1 (4)	2+1+1+1 (5)	2+1+1+0 (4)	2+1+0+0 (3)	2+1+0+0 (3)	2+1+0+0 (3)	2+1+0+0 (3)	3+0+0+1 (4)
	TOTAL : All CATEGORIES	120	120	140	120	120	120	120	160

* A Dual Degree student has the flexibility to opt for any of the listed M.Tech. specializations based on his/her own choice and performance at the end of the third year (refer to the programme details).

** Please ensure that you satisfy the Special Requirements as given in **Section 1.5** and **Section 1.9**.

Change of branch from Engineering Design dual degree (M88 and M89) to other branches and from other branches to M88 and M89 is not permitted in view of the specialized nature of the curriculum and course contents of these dual degree programs.

Candidates having loco motor disabilities, even to minor extent, will be considered unsuitable for these courses.

The total numbers of seats available in all Institutes including IT-BHU and ISM Dhanbad through JEE-2011 for different categories are given below. The numbers include 3% seats to be allotted to the PD candidates.

Category	GE	OBC	SC	ST	TOTAL
Seats	4848	2599	1441	730	9618
PD Seats	144	74	47	28	293

NOTE: There is a likelihood that IIT Kharagpur will institute a 5-year dual degree programme of B.Tech. (Hons) in Engineering Product Design and Manufacturing, and M.Tech. in Design and Quality Engineering from the academic session 2011-12. Complete details will be available on JEE website before online counselling.