COURSES OFFERED IN THE ACADEMIC YEAR 2021-22

	Course Name BBS B Mandi D I KGP H J K M GN P R ISM RPR BHU G BH GOA PKD TP JM DI B. Tech. (4 Years)																							
S. No.		BBS	В	Mandi	D	I	KGP	Н	J	K	M	GN	P	R	ISM	RPR	BHU	G	ВН	GOA	PKD	TP	JM	Dh
1			,				,			,	,												$\vdash \vdash \vdash$	
1	Engineering		√				√			√	√												1 1	ı
2	Agricultural						,																$\vdash \vdash \vdash$	
2	and Food						✓																	
	Engineering																							
3	Artificial							✓															1 1	ı
	Intelligence																						igsquare	
4	Artificial								✓				✓										1 1	ı
	Intelligence and Data Science															1 1	ı							
	Data Science Bio Significant Science Significa																							
5									✓															ı
																							igspace	1
6	Biological									✓														ı
	Biological Sciences and Bioengineering															ı								
_																							igsquare	
7	Biomedical							✓																ı
0	Engineering																						\longmapsto	
8	Biosciences													✓				✓						ı
	and																						1 1	ı
9	Bioengineering				-		,																\longmapsto	
9	Biotechnology and				✓		✓																	ı
	Biochemical																							ı
	Engineering																							ı
10	Biotechnology							,															$\vdash \vdash$	
10	&							✓																ı
	Bioinformatics																							
11	Ceramic Engineering																✓							
12	Chemical		√		√		√				√	√												
	Engineering		`		•		`	`	•	•	`	`	`		`	`	`	,				•		ı
13	Chemical																	√						1
	Science and																							ı
	Technology																							ı
14	Civil and								✓															
	Infrastructure																							ı
	Engineering																							1
15	Civil	✓	✓	\checkmark	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	
	Engineering																						igsquare	Į
16	Computational							✓																ı
	Engineering																						igsquare	
17	Computer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\checkmark
	Science and																							ı
1.0	Engineering		<u> </u>		-			<u> </u>					<u> </u>										\longmapsto	
18	Data Science																	✓	✓					
	and Artificial																							
10	Intelligence		-	,			-	-			-		-				-			1			$\vdash\vdash\vdash$	
19	Data Science			✓																				
	and Engineering																							
	PHAINCCLING	I	ı	l	1	1	1	ı	1	ı	ı	Ī	ı	Ī	1	1	1	1	Ī	1	1		, ,	

20	Electrical and												√											
	Electronics												`											
	Engineering																							
21	Electrical	√		√	√	√	√		√	√	√	√	√	✓										
	Engineering	`	٧	v	•	٧	'	٧	٧	•	•	v		v	v	`	'		٧	v	V	`		`
22	Electrical		1		√			1																
	Engineering				\ \																		l	
	(Power and																						l	
	Automation)																						l	
23	Electronics and	√												,	,			,						
23	Communication	√												✓	✓			✓					l	
	Engineering																						l	
24	Electronics and						,																\vdash	
24							✓																l	
	Electrical																						l	
	Communication																						l	
2.5	Engineering																						\vdash	
25	Electronics and																	\checkmark					l	
	Electrical																						l	
	Engineering																							
26	Electronics																✓							
	Engineering																						<u> </u>	
27	Energy				✓																		l	
	Engineering																							
28	Engineering				√																			
	and																						l	
	Computational																						l	
	Mechanics																						l	
29	Engineering		√	√	√			√			√		√	√	√			√						√
	Physics		•	V	\ \			\ \ \			٧		\ \	\ \	*			`					l	•
30	Engineering							√																
	Science							\ \															l	
31	Environmental														√									-
	Engineering														'								l	
32	Industrial and						,																	
52	Systems						✓																l	
	Engineering																						l	
33	Industrial							,																$\overline{}$
33	Chemistry							✓															l	
34							,																 	
34	Instrumentation						✓																	
2.5	Engineering																						\longmapsto	
35	Manufacturing						✓																l	
	Science and																						l	
	Engineering																						 	
36	Materials				✓				✓			✓											l	
	Engineering																							
37	Materials									✓													✓	
	Science and																						l	
	Engineering																							
38	Materials							√																
	Science and																						l	
	Metallurgical																						l	
	Engineering																						l	
39	Mathematics				√			√								√		√		√				$\neg \neg$
	and Computing				`			\ \ \								*		'		•				[]
40	Mechanical Mechanical	√	√	√	√	√	√	√																
	Engineering	\ \	\ \	V	\ \ \	*	`	'	*	· ·	V	\ \	*	\ \	\ \	`	`	'	V	v	V	*	'	v
41	Metallurgical	√				l -	√		l -		√		√	√		√								
	and Materials	'					'				V		\ \	V		\ \ \].
	Engineering	1																					i I	

42	Metallurgical														√				
	Engineering																		
43	Metallurgy		✓			✓													
	Engineering																		
	and Materials																		
4.4	Science																		
44	Mineral and												✓						
	Metallurgical Engineering																		
45	Mining						AR						AR		AR				
43	Engineering						AK						AK		AK				
46	Mining												AR						
	Machinery												7110						
	Engineering																		
47	Naval									√									
	Architecture									\ \									
	and Ocean																		
	Engineering													<u></u>				 	
48	Ocean						√												
	Engineering																		
	and Naval																		
	Architecture													<u> </u>					
49	Petroleum												✓						
	Engineering																		
50	Pharmaceutical														✓				
	Engineering &																		
51	Technology Production and				,							,							
31	Industrial				✓							✓							
	Engineering																		
52	Textile				√														
2	Technology				V														
	B.S. (4 Years)																		
53	BS in		,																
33	Mathematics		✓																
54	Chemistry		√						√										
55	-		v																
	Earth Sciences								✓										
56	Economics		✓						✓										1
57	Mathematics								√										
	and Scientific																		
	Computing																		
58	Mathematics										✓								
	and Computing																		
59	Physics								✓										
60	Statistics &								√										
L	Data Sciences	<u> </u>		<u></u>					Ľ						<u></u>				
	B. Arch. (5																		_
	Years)															_			
61	Architecture						AR					AR			AR			Ţ	
	B. Tech																		
	M.Tech. Dual																		1
	Degree (5																		
	Years)																		
62	Aerospace						√			√									_
	Engineering					l			1										

63	Agricultural					√											
	and Food					`											
	Engineering																
	with M.Tech. in																
	any of the listed																
<i>C</i> 1	specializations																
64	Bio		\checkmark														
	Engineering																
65	Biochemical												\checkmark				
	Engineering with M.Tech. in																
	with M.Tech. in																
	Biochemical																
	Engineering																
	and																
	Biotechnology																
66	Bioengineering												√				
	with M.Tech in												V				
	Biomedical																
	Technology																
67	Biological					<u> </u>			,								
0 /	Engineering								✓								
68	Engineering Biotechnology					 , 											
68	Biotechnology					✓											
	and																
	Biochemical																
	Engineering																
69	Ceramic												✓				
	Engineering																
70	Chemical			✓		✓											
	Engineering																
71	Chemical										√						
	Sciences										•						
72	Civil												√				
	Engineering												V				
73	Civil	√															
, 5	Engineering	V															
	and M. Tech. in																
	Structural																
7.4	Engineering																
74	Civil	✓															
	Engineering																
	and M.Tech in																
	Transportation																
	Engineering																
75	Civil	✓															
	Engineering																
	and M.Tech. in																
	Environmental																
	Engineering																
76	Civil					√											
	Engineering					*											
	with any of the																
	listed																
	specialization																
77	Computer	,		-		,							,				
/ /	Computer	✓		✓		✓							✓				
	Science and																
5 6	Engineering					1							ļ				
78	Electrical	✓															
	Engineering																
	and M.Tech	ĺ		1	l			l									

	Power													
	Electronics and													
	Drives													
79	Electrical	√												
	Engineering	· ·												
80	Electrical			√										
	Engineering			V										
	with M.Tech. in													
	any of the listed													
	specializations													
81	Electrical									,				
01	Engineering									\checkmark				
	with M.Tech. in													
	Power													
	Electronics													
82	Electronics and			,										
02	Electronics and Electrical			✓										
	Communication													
	Communication													
	Engineering with M.Tech. in													
	with ivi. i ech. in													
	any of the listed													
83	specializations			-		-			 					
03	Energy	✓												
	Engineering with M.Tech. in													
	Energy													
	Systems													
84	Engineering					,								
04	Engineering					✓								
85	Design Engineering									,				
65	Physics									✓				
86	Environmental	,												
80	Science and	✓												
	Engineering													
87	Industrial and			 ,										
07	Systems			✓										
	Engineering													
	with M.Tech. in													
	Industrial and													
	Systems													
	Engineering													
	and													
	Management													
88	Industrial									√				
	Chemistry									V				
89	Manufacturing			√										
0,	Science and			V										
	Engineering													
	with M.Tech. in													
	Industrial and													
	Systems													
	Engineering													
	and													
	Management													
90	Materials									√				
	Science and									v				
	Technology													

91	Mathematics			✓						✓		√					
	and Computing																
92	Mechanical											✓					
	Engineering																
93	Mechanical	\checkmark															
	Engineering and M. Tech. in																
	and M. Tech. in																
	Mechanical																
94	System Design	_															
94	Mechanical	\checkmark															
	Engineering and M. Tech. in																
	Thermal																
	Science &																
	Engineering																
95	Mechanical		√														
, ,	Engineering		V														
	and M.Tech. in																
	Computer																
	Integrated																
	Manufacturing																
96	Mechanical					✓											
	Engineering																
	with M.Tech. in																
	any of the listed																
0.7	specializations																
97	Mechanical	\checkmark															
	Engineering with M.Tech. in																
	Manufacturing																
	Engineering																
98	Metallurgical	√				√											
	and Materials	V				`											
	Engineering																
99	Metallurgical											✓					
	Engineering																
100	Metallurgical		^														
	Engineering &																
	Materials																
	Science																
101	Mining					AR						AR					
102	Engineering					A D											
102	Mining Safety Engineering					AR											
103	Ocean					√											
105	Engineering					'											
	and Naval																
	Architecture																
104	Pharmaceutical											√					
	Engineering &																
	Technology				L												
105	Quality					√											
	Engineering																
	Design and																
	Manufacturing																
	Integrated M.																
	Tech. (5																
	Vears)	İ		ı	1	1	 1	- 1			1	1			I	l	j

© JEE (Advanced) 2022 - Information Brochure

106	Applied Geology									AR						
107	Applied Geophysics				\perp					AR		-				
108	Geological Technology							_	✓		_	-				
109	Geophysical Technology								✓							
110	Mathematics and Computing									√						
	Integrated M.Sc. (5 Years)															
	Applied Geology			AF												
112	Chemistry			✓												
113	Economics		1	✓					✓							
114	Exploration Geophysics			AF	1											
115	Mathematics and Computing			✓												
116	Physics			✓					✓							
	B.SM.S. Dual Degree (5 Years)															
117	Biological Sciences						✓									
118	Physics		i				✓									

NB. 1) AR: These courses have additional requirements.

2) At IIT Kharagpur, B.Tech. degrees are B.Tech.(Hons).