1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

S.No.	Academic Year	Number of new courses introduced
1	2021-22	465
2	2020-21	676
3	2019-20	540
4	2018-19	325
5	2017-18	240
	Total	**2246**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-

List of New Courses introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
1	Engineering Mathematics-III	16MT C05	B.E. Mechanical Engineering
2	Material Science and Metallurgy	16ME C04	B.E. Mechanical Engineering
3	Mechanics of Materials	16ME C05	B.E. Mechanical Engineering
4	Fluid Dynamics	16ME C06	B.E. Mechanical Engineering
5	Machine Drawing	16ME C07	B.E. Mechanical Engineering
6	Engineering Economics and Accountancy	16MB C01	B.E. Mechanical Engineering
7	Material Science and Metallurgy Lab	16ME C08	B.E. Mechanical Engineering
8	Mechanics of Materials Lab	16ME C09	B.E. Mechanical Engineering
9	Computer Drafting Lab	16ME C10	B.E. Mechanical Engineering
10	Kinematics of Machines	16ME C14	B.E. Mechanical Engineering
11	Thermodynamics	16ME C15	B.E. Mechanical Engineering
12	Hydraulic Machinery and Systems	16ME C16	B.E. Mechanical Engineering
13	Manufacturing Processes	16ME C17	B.E. Mechanical Engineering
14	Electrical Machines and Microcontroller Applications	16EE C14	B.E. Mechanical Engineering
15	Hydraulic Machinery and Systems Lab	16ME C18	B.E. Mechanical Engineering
16	Manufacturing Processes Lab	16ME C19	B.E. Mechanical Engineering
17	Soft Skills and Employability Enhancement Lab	16EG C03	B.E. Mechanical Engineering
18	Engineering Mathematics-III	16MT C05	B.E.Production Engineering
19	Material Science and Metallurgy	16ME C04	B.E.Production Engineering
20	Mechanics of Materials	16ME C05	B.E.Production Engineering
21	Fluid Dynamics	16ME C06	B.E.Production Engineering
22	Machine Drawing	16ME C07	B.E.Production Engineering

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List of New Courses Introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
23	Engineering Economics and Accountancy	16MB C01	B.E.Production Engineering
24	Material Science and Metallurgy Lab	16ME C08	B.E.Production Engineering
25	Mechanics of Materials Lab	16ME C09	B.E.Production Engineering
26	Computer Drafting Lab	16ME C10	B.E.Production Engineering
27	Kinematics of Machines	16ME C14	B.E.Production Engineering
28	Thermodynamics	16ME C15	B.E.Production Engineering
29	Metal Casting and Welding	16PE C01	B.E.Production Engineering
30	Metal Forming Technology	16PE C02	B.E.Production Engineering
31	Electrical Machines and Microcontroller Applications	16EE C14	B.E.Production Engineering
32	Metal Casting and Welding Lab	16PE C03	B.E.Production Engineering
33	Metal Forming Technology Lab	16PE C04	B.E.Production Engineering
34	Soft Skills and Employability Enhancement Lab	16EG C03	B.E.Production Engineering
35	Project Seminar	16MEC111	M.E. CAD-CAM
36	Project work	16MEC112	M.E. CAD-CAM
37	Project Seminar	16MEC 211	M.E. Thermal Engineering
38	Project work	16MEC 212	M.E. Thermal Engineering
39	Mathematics-III	16MT C06	B.Tech.- Biotechnology
40	Process Principles and Reaction Engineering	16BT C05	B.Tech.- Biotechnology
41	Biochemistry	16BT C06	B.Tech.- Biotechnology
42	Cell biology	16BT C07	B.Tech.- Biotechnology
43	Microbiology	16BT C08	B.Tech.- Biotechnology
44	Genetics	16BT C09	B.Tech.- Biotechnology

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-

List of New Courses introduced for the AY:2017-18

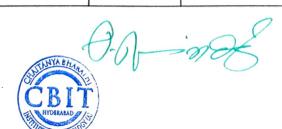| S.No	Name of the Course	Course Code	Name of the Programme
45	Biochemistry Lab	16BT C10	B.Tech.- Biotechnology
46	Microbiology Lab	16BT C11	B.Tech.- Biotechnology
47	Soft Skills and Employability Enhancement Lab	16EG C03	B.Tech.- Biotechnology
48	Chemical and Biochemical Thermodynamics	16BT C12	B.Tech.- Biotechnology
49	Molecular Biology	16BT C13	B.Tech.- Biotechnology
50	Immunology	16BT C14	B.Tech.- Biotechnology
51	Instrumental Methods in Biotechnology	16BT C15	B.Tech.- Biotechnology
52	Industrial Biotechnology	16BT C16	B.Tech.- Biotechnology
53	Engineering Economics and Accountancy	16MB C01	B.Tech.- Biotechnology
54	Immunology Lab	16BT C17	B.Tech.- Biotechnology
55	Instrumental Methods in Biotechnology Lab	16BT C18	B.Tech.- Biotechnology
56	Database Management Systems	16MCC113	Master of Computer Applications
57	Web Technologies	16MCC114	Master of Computer Applications
58	Design and Analysis of Algorithms	16MCC115	Master of Computer Applications
59	Operating Systems	16MCC116	Master of Computer Applications
60	Database Management Systems Lab	16MCC117	Master of Computer Applications
61	Web Technologies Lab	16MCC118	Master of Computer Applications
62	Operating Systems Lab	16MCC119	Master of Computer Applications
63	Organizational Behavior	16MBC04	Master of Computer Applications
64	Human Values and Professional Ethics	16CE C03	Master of Computer Applications
65	Disaster Mitigation and Management	16CE E21	Master of Computer Applications
66	Entrepreneurship	16MEE20	Master of Computer Applications

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A), HYDERABAD-

List of New Courses introduced for the AY:2017-18

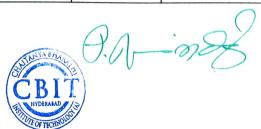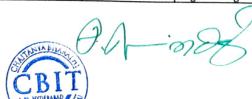| S.No	Name of the Course	Course Code	Name of the Programme
67	Computer Networks	16MCC120	Master of Computer Applications
68	Data warehousing and Data Mining	16MCC121	Master of Computer Applications
69	Advanced Java Programming	16MCC122	Master of Computer Applications
70	Computer Networks Lab	16MCC123	Master of Computer Applications
71	Data warehousing and Data Mining Lab	16MCC124	Master of Computer Applications
72	Mini Projects	16MCC125	Master of Computer Applications
73	Software Testing	16MCE102	Master of Computer Applications
74	Artificial Neural Networks	16MCE103	Master of Computer Applications
75	Cloud Computing	16MCE106	Master of Computer Applications
76	Software Project Management	16MCE107	Master of Computer Applications
77	Engineering Mathematics-III	16MT C05	B.E. - Information Technology
78	Discrete Structures and Applications	16IT C01	B.E. - Information Technology
79	Data Structures and Algorithms	16IT C02	B.E. - Information Technology
80	Object Oriented Programming	16IT C03	B.E. - Information Technology
81	Digital Electronics and Logic Design	16IT C04	B.E. - Information Technology
82	Data Structures and Algorithms Lab	16IT C05	B.E. - Information Technology
83	Object Oriented Programming Lab	16IT C06	B.E. - Information Technology
84	Mini Project - I	16IT C07	B.E. - Information Technology
85	Soft Skills and Employability Enhancement Lab	16EGC03	B.E. - Information Technology
86	Design and Analysis of Algorithms	16IT C08	B.E. - Information Technology
87	Data Communications	16IT C09	B.E. - Information Technology
88	Java Programming	16IT C10	B.E. - Information Technology

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List of New Courses introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
89	Computer Organization and Microprocessors	16IT C11	B.E. - Information Technology
90	Fundamentals of Data science	16IT C12	B.E. - Information Technology
91	Engineering Economics and Accountancy	16MBC01	B.E. - Information Technology
92	Java Programming Lab	16IT C13	B.E. - Information Technology
93	Micro Processors Lab	16IT C14	B.E. - Information Technology
94	Mini Project– II	16IT C15	B.E. - Information Technology
95	Project Seminar	16ITC301	M.Tech Computer Networks and Information Security
96	Project Work and Dissertation	16ITC401	M.Tech Computer Networks and Information Security
97	Engineering Mathematics – III	16MTC05	B.E. Electrical and Electronics Engineering
98	Electrical Circuits – I	16EEC02	B.E. Electrical and Electronics Engineering
99	Electrical Measurements & Instruments	16EEC03	B.E. Electrical and Electronics Engineering
100	Electronics Engineering	16ECC16	B.E. Electrical and Electronics Engineering
101	Prime Movers & Pumps	16MEC11	B.E. Electrical and Electronics Engineering
102	Engineering Economics & Accountancy	16MBC01	B.E. Electrical and Electronics Engineering
103	Circuits & Measurements Lab	16EEC04	B.E. Electrical and Electronics Engineering
104	Electronics Engineering Lab	16ECC17	B.E. Electrical and Electronics Engineering
105	Prime Movers & Pumps Lab	16MEC12	B.E. Electrical and Electronics Engineering
106	Electrical Circuits -II	16EE C06	B.E. Electrical and Electronics Engineering
107	Electrical Machinery - I	16EE C07	B.E. Electrical and Electronics Engineering
108	Power Systems - I	16EE C08	B.E. Electrical and Electronics Engineering
109	Electromagnetic Theory	16EE C09	B.E. Electrical and Electronics Engineering
110	Digital Electronics and Logic Design	16EE C10	B.E. Electrical and Electronics Engineering

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List of New Courses introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
111	Linear Integrated Circuits	16EE C11	B.E. Electrical and Electronics Engineering
112	Electrical Machinery - I Lab	16EE C12	B.E. Electrical and Electronics Engineering
113	Linear Integrated Circuits Lab	16EE C13	B.E. Electrical and Electronics Engineering
114	Soft Skills and Employability Enhancement Lab	16EG C03	B.E. Electrical and Electronics Engineering
115	Project Seminar (i) Problem formulation & submission of synopsis within 8 weeks from the commencement of	16EEC101	M.E. Power Systems and Power Electronics
116	Project Work & Dissertation	16EEC103	M.E. Power Systems and Power Electronics
117	Engineering Mathematics-III	16MTC05	B.E-Electronics and Communication Engineering
118	Network Theory	16EC C02	B.E-Electronics and Communication Engineering
119	Electronic Devices and Circuits	16EC C03	B.E-Electronics and Communication Engineering
120	Signals and Systems	16EC C04	B.E-Electronics and Communication Engineering
121	Electromagnetic Theory and Transmission Lines	16EC C05	B.E-Electronics and Communication Engineering
122	Electronic Workshop and Network Lab	16EC CO6	B.E-Electronics and Communication Engineering
123	Electronic Devices Lab	16EC C07	B.E-Electronics and Communication Engineering
124	Soft Skills and Employability Enhancement Lab	16EG C03	B.E-Electronics and Communication Engineering
125	Digital Logic Design	16EC C08	B.E-Electronics and Communication Engineering
126	Analog Electronic Circuits	16EC C09	B.E-Electronics and Communication Engineering
127	Analog Communication	16EC C10	B.E-Electronics and Communication Engineering
128	Antennas and Wave Propagation	16EC C11	B.E-Electronics and Communication Engineering
129	Electronic Instrumentation	16EC C12	B.E-Electronics and Communication Engineering
130	Engineering Economics and Accountancy	16MB C01	B.E-Electronics and Communication Engineering
131	Digital Logic Design Lab using Verilog	16EC C13	B.E-Electronics and Communication Engineering
132	Analog Electronic Circuits Lab	16EC C14	B.E-Electronics and Communication Engineering

S.No	Name of the Course	Course Code	Name of the Programme
133	Analog Communication Lab	16EC C15	B.E-Electronics and Communication Engineering
134	Project work - Project Seminar	16ECC112	M.E-Communication Engineering
135	Project work - Dissertation	16ECC113	M.E-Communication Engineering
136	Project work -Project Seminar	16EC C212	M.E-Embedded Systems & VLSI Design
137	Project work and Dissertation	16EC C213	M.E-Embedded Systems & VLSI Design
138	International Business	16MB C121	Master of Bussiness Administration
139	Strategic Management	16MB C122	Master of Bussiness Administration
140	Investment Management	16MB E101	Master of Bussiness Administration
141	International Finance	16MB E102	Master of Bussiness Administration
142	Performance and Compensation Management	16MB E103	Master of Bussiness Administration
143	Organizational Development and Change Management	16MB E104	Master of Bussiness Administration
144	Product and Brand Management	16MB E105	Master of Bussiness Administration
145	Promotion and Distribution Management	16MB E106	Master of Bussiness Administration
146	Total Quality Management	16MB E107	Master of Bussiness Administration
147	Technology Management	16MB E108	Master of Bussiness Administration
148	Relational Database Management Systems	16MB E109	Master of Bussiness Administration
149	E-Business	16MB E110	Master of Bussiness Administration
150	Logistics and Supply Chain Management	16MBC124	Master of Bussiness Administration
151	Entrepreneurial Development	16MBC125	Master of Bussiness Administration
152	Financial Risk Management	16MBE111	Master of Bussiness Administration
153	Banking and Insurance	16MBE112	Master of Bussiness Administration
154	Industrial Relations and Labor Laws	16MBE113	Master of Bussiness Administration

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List of New Courses introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
155	Talent and Knowledge Management	16MBE114	Master of Bussiness Administration
156	Consumer Behaviour	16MBE115	Master of Bussiness Administration
157	Services and Retail Marketing	16MBE116	Master of Bussiness Administration
158	Services Operations Management	16MBE117	Master of Bussiness Administration
159	Enterprise Resource Planning	16MBE118	Master of Bussiness Administration
160	Cloud Computing and Internet of Things	16MBE119	Master of Bussiness Administration
161	Principles of Management	16MBC101	Master of Bussiness Administration
162	Managerial Economics	16MBC102	Master of Bussiness Administration
163	Financial Accounting and Analysis	16MBC103	Master of Bussiness Administration
164	Marketing Management	16MBC104	Master of Bussiness Administration
165	Statistics for Management	16MBC105	Master of Bussiness Administration
166	Business Communication	16MBC106	Master of Bussiness Administration
167	Business Law	16MBC107	Master of Bussiness Administration
168	Information Technology Applications for Business	16MBC108	Master of Bussiness Administration
169	InformationTechnology (IT) Lab	16MB C109	Master of Bussiness Administration
170	Soft Skills Lab	16EG C103	Master of Bussiness Administration
171	Organisation Behaviour	16MB C110	Master of Bussiness Administration
172	Business Environment and Ethics	16MB C111	Master of Bussiness Administration
173	Human Resource Management	16MB C112	Master of Bussiness Administration
174	Financial Management	16MB C113	Master of Bussiness Administration
175	Business Research Methods	16MB C114	Master of Bussiness Administration
176	Operations Research	16MB C115	Master of Bussiness Administration

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List of New Courses introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
177	Operations Management	16MB C116	Master of Bussiness Administration
178	Business Analytics	16MB C117	Master of Bussiness Administration
179	Statistical Software Lab	16MB C118	Master of Bussiness Administration
180	Strategic Management Accounting	16MB C120	Master of Bussiness Administration
181	International Business	16MB C121	Master of Bussiness Administration
182	Strategic Management	16MB C122	Master of Bussiness Administration
183	Investment Management	16MB E101	Master of Bussiness Administration
184	International Finance	16MB E102	Master of Bussiness Administration
185	Performance and Compensation Management	16MB E103	Master of Bussiness Administration
186	Organizational Development and Change Management	16MB E104	Master of Bussiness Administration
187	Product and Brand Management	16MB E105	Master of Bussiness Administration
188	Promotion and Distribution Management	16MB E106	Master of Bussiness Administration
189	Total Quality Management	16MB E107	Master of Bussiness Administration
190	Technology Management	16MB E108	Master of Bussiness Administration
191	Relational Database Management Systems	16MB E109	Master of Bussiness Administration
192	E-Business	16MB E110	Master of Bussiness Administration
193	Logistics and Supply Chain Management	16MBC124	Master of Bussiness Administration
194	Entrepreneurial Development	16MBC125	Master of Bussiness Administration
195	Financial Risk Management	16MBE111	Master of Bussiness Administration
196	Banking and Insurance	16MBE112	Master of Bussiness Administration
197	Industrial Relations and Labor Laws	16MBE113	Master of Bussiness Administration
198	Services and Retail Marketing	16MBE116	Master of Bussiness Administration

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List of New Courses introduced for the AY:2017-18

S.No	Name of the Course	Course Code	Name of the Programme
199	Enterprise Resource Planning	16MBE118	Master of Bussiness Administration
200	Cloud Computing and Internet of Things	16MBE119	Master of Bussiness Administration
201	Engineering Mathematics-III	16MT C 03	B.Tech - Chemical Engineering
202	Chemical Technology	16CH C 01	B.Tech - Chemical Engineering
203	Fluid Mechanics	16CH C 02	B.Tech - Chemical Engineering
204	Material and Energy Balance	16CH C 03	B.Tech - Chemical Engineering
205	Physical Chemistry	16CY C 07	B.Tech - Chemical Engineering
206	Engineering Economics and Accountancy	16MB C 01	B.Tech - Chemical Engineering
207	Chemical Technology Lab	16CH C 04	B.Tech - Chemical Engineering
208	Physical Chemistry Lab	16CY C 08	B.Tech - Chemical Engineering
209	Basics of Mechanical and Electrical Engg. Lab	16ME C 13 /16EE C 05	B.Tech - Chemical Engineering
210	Chemical Engineering Thermodynamics - I	16CH C 05	B.Tech - Chemical Engineering
211	Chemical Reaction Engineers - I	16CH C 06	B.Tech - Chemical Engineering
212	Material Science for Chemical Engineers	16CH C 07	B.Tech - Chemical Engineering
213	Mechanical Unit Operations	16CH C 08	B.Tech - Chemical Engineering
214	Process Heat Transfer	16CH C 09	B.Tech - Chemical Engineering
215	Advanced Organic Chemistry	16CY E 01	B.Tech - Chemical Engineering
216	Numerical Techniques and Statistical Methods	16MT E 01	B.Tech - Chemical Engineering
217	Fertilizer Technology	16CH E 01	B.Tech - Chemical Engineering
218	Fluid Mechanics Lab	16CH C 10	B.Tech - Chemical Engineering
219	Programming Laboratory for Numerical Methods	16MT C 07	B.Tech - Chemical Engineering
220	Soft Skills and Employability Enhancement Lab	16EG C 03	B.Tech - Chemical Engineering

S.No	Name of the Course	Course Code	Name of the Programme
221	Surveying	16CE C03	B.E. Civil Engineering
222	Building Materials Planning and Construction	16CE C04	B.E. Civil Engineering
223	Strength of Materials-I	16CE C05	B.E. Civil Engineering
224	Engineering Geology	16CE C06	B.E. Civil Engineering
225	Engineering Mathematics-III	16MT C05	B.E. Civil Engineering
226	Engineering Economics and Accountancy	16MB C01	B.E. Civil Engineering
227	Surveying Lab-I	16CE C07	B.E. Civil Engineering
228	Engineering Geology Lab	16CE C08	B.E. Civil Engineering
229	Computer Aided Civil Engineering Drafting Lab	16CE C09	B.E. Civil Engineering
230	Transportation Engineering	16CE C10	B.E. Civil Engineering
231	Construction Management and Administration	16CE C11	B.E. Civil Engineering
232	Water and Waste Water Engineering	16CE C12	B.E. Civil Engineering
233	Strength of Materials-II	16CE C13	B.E. Civil Engineering
234	Fluid Mechanics-I	16CE C14	B.E. Civil Engineering
235	Strength of Materials Lab	16CE C15	B.E. Civil Engineering
236	Surveying –II Lab	16CE C16	B.E. Civil Engineering
237	Soft Skills and Employability Enhancement Lab	16EG C03	B.E. Civil Engineering
238	Survey Camp	16CE C17	B.E. Civil Engineering
239	Project Seminar (III Sem)	16CEC208	M.E.- Earthquake Engineering
240	Dissertation(III & IV Sem)	16CEC209	M.E.- Earthquake Engineering