

2021-22

S.No.	Course code	Course title	Local need	Regional need	National Need	Global Need
1	BCO 101/IFA101	Financial Accounting-I	✓	✓	✓	✓
2	BCO 102	Business Organization & Management	✓	✓	✓	✓
3	BCO 103	Business Mathematics	✓	✓	✓	✓
4	BCO 104	Banking & Financial Services	✓	✓	✓	✓
5	BCOB 104	Data- Driven Decision Making	✓	✓	✓	✓
6	BCOP 105	Financial Planning and Performance	✓	✓	✓	✓
7	BCO/IFA 102	Management Accounting	✓	✓	✓	✓
8	BCO/IFA 103	Accountant in Business	✓	✓	✓	✓
9	BCO/IFA 104	Banking & Financial Services	✓	✓	✓	✓
10	BCO/IFA 105	Taxation- I				
11	BCO 201/IFA202	Financial Accounting- II	✓	✓	✓	✓
12	BCO 202	Managerial Economics	✓	✓	✓	✓
13	BCOI 202	Introduction to International Business	✓	✓	✓	✓
14	BCO 203	Fundamentals of IT				
15	BCO 204	Financial Institutions & Markets	✓	✓	✓	✓
16	BCOB 204	Data Analytics Essentials	✓	✓	✓	✓
17	BCOP 205	Financial Reporting & Control	✓	✓	✓	✓
18	BCO/IFA 202	Corporate and Business Law				
19	BCO/IFA 203	Fundamentals of IT	✓	✓	✓	✓
20	BCO/IFA 204	Financial Institutions and Markets	✓	✓	✓	✓
21	BCO/IFA 205	Taxation- II				
22	BCO 301	Advanced Accounting	✓	✓	✓	✓
23	BCO 302	Business Mathematics	✓	✓	✓	✓
24	BCO 303	Taxation-I				
25	BCO 304	Banking Theory and Practice	✓	✓	✓	✓
26	BCOP 303	Financial Decision Making -I	✓	✓	✓	✓
27	BCOP 305	Business Communication and Report writing	✓	✓	✓	✓
28	BCOP 306	Principles of Marketing	✓	✓	✓	✓
29	BCOP 307	Business Statistics	✓	✓	✓	✓
30	BCO/IAF 301	Advanced Accounting	✓	✓	✓	✓
31	BCO/IAF 302	Management Accounting Techniques-I	✓	✓	✓	✓
32	BCO/IAF 303	Corporate Tax	✓	✓	✓	✓
33	BCO/IAF 304	Entrepreneurial Development	✓	✓	✓	✓
34	BCO/IAF 305	Business Statistics-I	✓	✓	✓	✓
35	BCO/IAF 306	Business Communication & Report Writing	✓	✓	✓	✓
36	BCO 401	Corporate Accounting	✓	✓	✓	✓
37	BCO 402	Entrepreneurship Development and Business Ethics	✓	✓	✓	✓
38	BCO 403	Taxation-II				
39	BCO 404	Financial Institutions and Markets	✓	✓	✓	✓
40	BCOP 403	Financial Decision Making-II	✓	✓	✓	✓
41	BCOP 405	Advanced Business Statistics	✓	✓	✓	✓
42	BCOP 406	E-Commerce and Digital Marketing	✓	✓	✓	✓
43	BCOP 407	Management Information System	✓	✓	✓	✓
44	BCO/IAF 401	Corporate Accounting	✓	✓	✓	✓
45	BCO/IAF 402	Management Accounting Techniques-II	✓	✓	✓	✓
46	BCO/IAF 403	Auditing & Assurance	✓	✓	✓	✓
47	BCO/IAF 404	International Financial Reporting	✓	✓	✓	✓
48	BCO/IAF 405	Business Statistics-II	✓	✓	✓	✓
49	BCO/IAF 406	Business Analysis	✓	✓	✓	✓
50	BCO501	Cost Accounting	✓	✓	✓	✓
51	BCO502	Business Law				
52	BCO503	Auditing	✓	✓	✓	✓
53	BCO504	International Business	✓	✓	✓	✓
54	BCOA505	Financial Statement Analysis	✓	✓	✓	✓
55	BCOA506	Indian Accounting Standards	✓	✓	✓	✓
56	BCOC505	Object Oriented Programming with C++	✓	✓	✓	✓
57	BCOC506	e Commerce & Digital Marketing	✓	✓	✓	✓
58	BCOI505	International Marketing	✓	✓	✓	✓
59	BCOI506	Shipping & Insurance Practices & Procedures	✓	✓	✓	✓
60	BCOP504	Human Resource Management	✓	✓	✓	✓
61	BCOP505	Financial Management I	✓	✓	✓	✓
62	BCOP506	Financial Services	✓	✓	✓	✓
63	BCOP507	Research Methodology	✓	✓	✓	✓

64	IFA501	Financial Management I	✓	✓	✓	✓
65	IFA502	Corporate Governance & Business Ethics	✓	✓	✓	✓
66	IFA503	Corporate Reporting	✓	✓	✓	✓
67	IFA504	International Auditing & Assurance	✓	✓	✓	✓
68	IFA505	Advanced Performance Management I	✓	✓	✓	✓
69	IFA506	Research Methodology	✓	✓	✓	✓
70	BCO601	Managerial Accounting	✓	✓	✓	✓
71	BCO602	Company Law				
72	BCO603	Managerial Economics	✓	✓	✓	✓
73	BCO604	Computerized Accounting	✓	✓	✓	✓
74	BCOA605	Advanced Managerial Accounting	✓	✓	✓	✓
75	BCOA606	Advanced Corporate Accounting	✓	✓	✓	✓
76	BCOC605	Web Technologies	✓	✓	✓	✓
77	BCOC606	Relational Data base Management System	✓	✓	✓	✓
78	BCOI605	Foreign Trade and Financial Procedures	✓	✓	✓	✓
79	BCOI606	Foreign Trade Documentation	✓	✓	✓	✓
80	BCOP603	International Finance	✓	✓	✓	✓
81	BCOFP605	Investment Management	✓	✓	✓	✓
82	BCOP606	Marketing Management	✓	✓	✓	✓
83	IFA601	Financial Management-II	✓	✓	✓	✓
84	IFA602	International Business	✓	✓	✓	✓
85	IFA603	Human Resource Management	✓	✓	✓	✓
86	IFA604	Advanced Performance Management - II	✓	✓	✓	✓
87	IFA605	International Financial Management	✓	✓	✓	✓
88	IFA606	Computerised Accounting & e-Commerce	✓	✓	✓	✓
89	BBA101	Principles of Management	✓	✓	✓	✓
90	BBA102	Basics of Marketing	✓	✓	✓	✓
91	BBA103	Business Economics	✓	✓		
92	BBA 201	Organizational Behaviour	✓	✓	✓	✓
93	BBA 202	Information Technology for business (Theory)	✓	✓		
94	BBA 203	Financial Accounting	✓	✓	✓	✓
95	BBA213	Information Technology for business (Practical)	✓	✓		
96	BBA 301	Human Resources Management	✓	✓	✓	✓
97	BBA 302	Business Statistics	✓	✓		
98	BBA 303	Financial Management	✓	✓	✓	
99	SEC302	DSEC: Business Exposure & Women Entrepreneurship	✓	✓	✓	✓
100	BBA 401	Business Law and Ethics	✓	✓		
101	BBA 402	Entrepreneurship Development and SME	✓	✓	✓	
102	BBA 403	Market Research	✓	✓		
103	SEC 404	DSEC: Basic Financial Intelligence	✓	✓	✓	✓
104	BBA501 A	Elective-I: A) Leadership & Change Management	✓	✓	✓	✓
105	BBA501 B	B) Financial Markets and Services	✓	✓	✓	✓
106	BBA501 C	C) Brand Management	✓	✓		
107	BBA501 D	D) Spreadsheet Modelling for Managers	✓	✓	✓	✓
108	BBA502 A	Elective-II: A) Performance Appraisal and Counselling	✓	✓	✓	✓
109	BBA502 B	B) Analysis of Investment in Financial Assets	✓	✓	✓	✓
110	BBA502 C	C) Retail Marketing	✓	✓		
111	BBA502 D	D) Data Visualisation with Tableau	✓	✓	✓	✓
112	BBA503 A	Elective-III: A) Compensation Management	✓	✓	✓	✓
113	BBA503 B	B) Insurance Services	✓	✓	✓	✓
114	BBA503 C	C) Consumer Behaviour	✓	✓	✓	✓
115	BBA503 D	D) Business Statistics with R Programming	✓	✓	✓	✓
116	BBA504	Internship Report (including Viva-Voce)	✓			
117	BBA601 A	Elective-IV: A) Organisation Development	✓	✓	✓	✓
118	BBA601 B	B) Banking	✓	✓	✓	✓
119	BBA601 C	C) Advertising & Sales Promotion	✓	✓	✓	✓
120	BBA601 D	D) Database Management with SQL	✓	✓	✓	✓
121	BBA602 A	Elective-V: A) Talent and Knowledge Management	✓	✓	✓	✓
122	BBA602 B	B) Risk Analysis and Management	✓	✓	✓	✓
123	BBA602 C	C) Service Marketing	✓	✓	✓	✓
124	BBA602 D	D) Artificial intelligence and Machine learning with R	✓	✓	✓	✓
125	BBA603 A	Elective-VI: A) Employees Relations	✓	✓	✓	✓
126	BBA603 B	B) International Finance	✓	✓	✓	✓
127	BBA603 C	C) Customer Relationship Management	✓	✓	✓	✓
128	BBA603 D	D) Data Visualisation through Power BI	✓	✓	✓	✓
129	BBA604	Project Work (including Viva-Voce)	✓			

130	BCH101	Chemistry of Biomolecules	✓	✓	✓	
131	BCH111	Qualitative Analysis of Biomolecules	✓	✓	✓	
132	BCH202	Chemistry of Nucleic Acids and Biochemical Techniques	✓	✓	✓	✓
133	BCH212	Quantitative Analysis of Biomolecules	✓	✓	✓	✓
134	BCH303	Bioenergetics, Biological Oxidations and Enzymology	✓	✓	✓	✓
135	BCH313	Enzymology	✓	✓	✓	✓
136	BCH404	Intermediary Metabolism	✓	✓	✓	✓
137	BCH414	Biochemical Preparations and Separations	✓	✓	✓	
138	DSEC1	Applied Biochemistry and Computational Biochemistry	✓	✓	✓	✓
139	DSEC2	Recombinant DNA Technology	✓	✓	✓	✓
140	BCH505A	Physiology Nutrition and Clinical Biochemistry	✓	✓	✓	✓
141	BCH515A	Physiology, Nutrition and Clinical Biochemistry	✓	✓	✓	✓
142	BCH505B	Cell Biology, Genetics & Microbiology	✓	✓	✓	✓
143	BCH515B	Cell Biology .Genetics &Microbiology	✓	✓	✓	✓
144	BCH606A	Molecular Biology and Immunology	✓	✓	✓	✓
145	BCH616A	Molecular Biology and Immunology	✓	✓	✓	✓
146	BCH606B	r-DNA Technology and Biotechnology	✓	✓	✓	✓
147	BCH616B	r-DNA Technology and Biotechnology	✓	✓	✓	✓
148	GE	Health and Clinical Markers	✓	✓	✓	✓
149	Core elective	Omics & Bioinformatics	✓	✓	✓	✓
150	Certificate Course	Basics of Experimental Biochemistry	✓	✓	✓	✓
151	Certificate Course	Clinical Microbiology & Molecular Diagnostics	✓	✓	✓	✓
152	BIT101	Cell Biology And Genetics	✓	✓	✓	✓
153	BIT111	Cell Biology And Genetics Pr	✓	✓	✓	✓
154	BIT202	Biological Chemistry and Microbiology	✓	✓	✓	✓
155	BIT212	Biological chemistry and microbiology Pr	✓	✓	✓	✓
156	BIT303	Molecular Biology and Recombinant DNA Technology	✓	✓	✓	✓
157	BIT313	Molecular Biology and Recombinant DNA Technology Pr	✓	✓	✓	✓
158	BIT404	Bioinformatics & Biostatistics	✓	✓	✓	✓
159	BIT414	Bioinformatics & Biostatistics Pr	✓	✓	✓	✓
160	BIT505	Immunology	✓	✓	✓	✓
161	BIT515	Immunology Pr	✓	✓	✓	✓
162	BIT506	Plant Biotechnology	✓	✓	✓	✓
163	BIT516	Plant Biotechnology Pr	✓	✓	✓	✓
164	BIT607	Microbial Technology	✓	✓	✓	✓
165	BIT617	Microbial Technology Pr	✓	✓	✓	✓
166	BIT608	Environmental Biotechnology and Biodiversity	✓	✓	✓	✓
167	BIT618	Environmental Biotechnology and Biodiversity Pr	✓	✓	✓	✓
168	BOT101	Microbial Diversity and lower plants	✓	✓	✓	✓
169	BOT111	Microbial Diversity and lower plants Pr	✓	✓	✓	✓
170	BOT202	Gymnosperm, Taxonomy of Angiosperms and Ecology	✓	✓	✓	✓
171	BOT212	Gymnosperm, Taxonomy of Angiosperms and Ecology Pr	✓	✓	✓	✓
172	BOT303	Taxonomy of Angiosperms & Medicinal Botany	✓	✓	✓	✓
173	BOT313	Taxonomy of Angiosperms & Medicinal Botany Pr	✓	✓	✓	✓
174	BOT404	Plant Anatomy and Embryology and Palynology	✓	✓	✓	✓
175	BOT414	Plant Anatomy and Embryology and Palynology Pr	✓	✓	✓	✓
176	BOT505	Cell Biology & Genetics	✓	✓	✓	✓
177	BOT515	Cell Biology & Genetics Pr	✓	✓	✓	✓
178	BOT506	Ecology and Biodiversity	✓	✓	✓	✓
179	BOT515	Ecology and Biodiversity Pr	✓	✓	✓	✓
180	BOT607	PHYSIOLOGY	✓	✓	✓	✓
181	BOT617	PHYSIOLOGY Pr	✓	✓	✓	✓
182	BOT608	TISSUE CULTURE AND BIOTECHNOLOGY	✓	✓	✓	✓
183	BOT618	TISSUE CULTURE AND BIOTECHNOLOGY Pr	✓	✓	✓	✓
184	CHE101	Chemistry	×	×	×	✓
185	CHE111	Chemistry	×	×	×	✓
186	CHE202	Chemistry	×	×	×	✓
187	CHE212	Chemistry	×	×	×	✓
188	CHE303	Chemistry III	×	×	×	✓
189	CHE313	Chemistry IV	×	×	×	✓
190	CHE404	Chemistry	×	×	×	✓
191	CHE414	Chemistry	×	×	×	✓
192	CHE505	Chemistry	×	×	×	✓
193	CHE515	Chemistry	×	×	×	✓
194	CHE506A	Chemistry Pr	×	×	×	✓
195	CHE516A	Chemistry Pr	×	×	×	✓

196	CHE607	Chemistry	×	×	×	✓
197	CHE617	Chemistry	×	×	×	✓
198	CHE608	Chemistry Pr	×	×	×	✓
199	CHE618	Chemistry Pr	×	×	×	✓
200	GEN101	Transmission Genetics	×	×	×	✓
201	GEN111	Transmission Genetics	×	×	×	✓
202	GEN202	Molecular Genetics and genetic engineering	✓	✓	✓	✓
203	GEN212	Molecular Genetics and genetic engineering Pr	✓	✓	✓	✓
204	GEN303	Biostatistics and Bioinformatics	✓	✓	✓	✓
205	GEN313	Biostatistics and Bioinformatics Pr	✓	✓	✓	✓
206	GEN404	population Genetics And Evolution	×	×	×	✓
207	GEN414	population Genetics And Evolution Pr	×	×	×	✓
208	GEN505	Genetic Engineering & Technology	✓	✓	✓	✓
209	GEN515	Genetic Engineering & Technology Pr	✓	✓	✓	✓
210	GEN506A	Medical Genetics	✓	✓	✓	✓
211	GEN516A	Medical Genetics Pr	✓	✓	✓	✓
212	GEN607	Biostatistics, Genetic equilibrium and Bioinformatics	✓	✓	✓	✓
213	GEN617	Biostatistics, Genetic equilibrium and Bioinformatics Pr	✓	✓	✓	✓
214	GEN608	Animal Genetics	✓	✓	✓	✓
215	GEN618	Animal Genetics Pr	✓	✓	✓	✓
216	NUT101	Nutritional Biochemistry-I	✓	✓	✓	✓
217	NUT111	Nutritional Biochemistry-I	✓	✓	✓	✓
218	NUT202	Nutritional Biochemistry-II	✓	✓	✓	✓
219	NUT212	Nutritional Biochemistry-II	✓	✓	✓	✓
220	NUT303	Food Science and Preparation	✓	✓	✓	✓
221	NUT313		✓	✓	✓	✓
222	NUT404	Nutrition through Lifecycle	✓	✓	✓	✓
223	NUT414		✓	✓	✓	✓
224	NUT505	Food Processing & Preservation	✓	✓	✓	✓
225	NUT515	Food Processing & Preservation Pr	✓	✓	✓	✓
226	NUT506	Food Sanitation and Hygiene	✓	✓	✓	✓
227	NUT516	Food Sanitation and Hygiene Pr	✓	✓	✓	✓
228	NUT607	Therapeutic Nutrition	✓	✓	✓	✓
229	NUT617	Public Health	✓	✓	✓	✓
230	NUT608	Therapeutic Nutrition Pr	✓	✓	✓	✓
231	NUT618	Public Health Pr	✓	✓	✓	✓
232	MIC101	General Microbiology	✓	✓	✓	✓
233	MIC111	General Microbiology	✓	✓	✓	✓
234	MIC202	Microbial Diversity	✓	✓	✓	✓
235	MIC212	Microbial Diversity	✓	✓	✓	✓
236	MIC303	Microbial Physiology	✓	✓	✓	✓
237	MIC313	Microbial Physiology	✓	✓	✓	✓
238	MIC404	Microbial Genetics	✓	✓	✓	✓
239	MIC414	Microbial Genetics	✓	✓	✓	✓
240	MIC505	Immunology And Chemotherapy	✓	✓	✓	✓
241	MIC515	Immunology And Chemotherapy	✓	✓	✓	✓
242	MIC506A	Environmental Microbiology and Sustainable Agriculture	✓	✓	✓	✓
243	MIC516A	Environmental Microbiology and Sustainable Agriculture	✓	✓	✓	✓
244	MIC 506B	Food & Dairy Microbiology	✓	✓	✓	✓
245	MIC 516B	Food & Dairy Microbiology	✓	✓	✓	✓
246	MIC607	Industrial Microbiology & Microbial Technology	✓	✓	✓	✓
247	MIC617	Industrial Microbiology & Microbial Technology	✓	✓	✓	✓
248	MIC608A	Medical Microbiology	✓	✓	✓	✓
249	MIC618A	Medical Microbiology	✓	✓	✓	✓
250	MIC 608B	Clinical & Diagnostic Microbiology	✓	✓	✓	✓
251	MIC 618B	Clinical & Diagnostic Microbiology	✓	✓	✓	✓
252	ZOO101	Animal Diversity - Invertebrates	✓			
253	ZOO111	Animal Diversity - Invertebrates Pr				✓
254	ZOO202	Animal Diversity-Vertebrates		✓	✓	
255	ZOO212	Animal Diversity-Vertebrates Pr	✓			
256	ZOO303	Animal Physiology and Animal Behaviour	✓			
257	ZOO313	Animal Physiology and Animal Behaviour Pr	✓			
258	ZOO404	Cell and Molecular Biology,Genetics and Developmental Biology	✓	✓		
259	ZOO414	Cell and Molecular Biology,Genetics and Developmental Biology Pr				
260	ZOO505	Animal Physiology and Biochemistry	✓		✓	✓
261	ZOO515	Animal Physiology and Biochemistry Pr		✓		

262	ZOO506	Entomology	✓	✓	✓	✓
263	ZOO516	Entomology Pr				
264	ZOO607	Immunology and Animal Biotechnology				✓
265	ZOO617	Immunology and Animal Biotechnology Pr	✓			
266	ZOO608	Aquatic Biology		✓	✓	✓
267	ZOO618	Aquatic Biology Pr	✓			
268	ARA101	Arabic-I	✓	✓	✓	✓
269	ARA202	Arabic-II	✓	✓	✓	✓
270	ARA303	Arabic-III	✓	✓	✓	✓
271	ARA404	Arabic-IV	✓	✓	✓	✓
272	FRE101	French-I	X	X	X	X
273	FRE202	French-II	X	X	X	X
274	FRE303	French-III	X	X	X	X
275	FRE404	French-IV	X	X	✓	✓
276	HIN101	Hindi-I	✓	✓	✓	✓
277	HIN202	Hindi-II	✓	✓	✓	✓
278	HIN303	Hindi-III	✓	✓	✓	✓
279	HIN404	Hindi-IV	✓	✓	✓	✓
280	SAN101	Sanskrit-I	✓	✓	✓	✓
281	SAN202	Sanskrit-II	✓	✓	✓	✓
282	SAN303	Sanskrit-III	✓	✓	✓	✓
283	SAN404	Sanskrit-IV	✓	✓	✓	✓
284	TEL101	Telugu-I	✓	✓	✓	✓
285	TEL202	Telugu-II	✓	✓	✓	✓
286	TEL303	Telugu-III	✓	✓	✓	✓
287	TEL404	Telugu-IV	✓	✓	✓	✓
288	ENG101	English-I	✓	✓	✓	✓
289	ENG202	English-II	✓	✓	✓	✓
290	ENG303	English-III	✓	✓	✓	✓
291	ENG404	English-IV	✓	✓	✓	✓
292	FENG101	Functional English	✓	✓	✓	✓
293	FENG202	Functional English	✓	✓	✓	✓
294	CSC101	Programming in C	✓	✓	✓	✓
295	CSC 111	Programming in C Pr	✓	✓	✓	✓
296	CSC202	Programming in C++	✓	✓	✓	✓
297	CSC212	Programming in C++ Pr	✓	✓	✓	✓
298	CSC303	Programming in Java	✓	✓	✓	✓
299	CSC313	Programming in Java Pr	✓	✓	✓	✓
300	CSC404	Data Base management System	✓	✓	✓	✓
301	CSC414	Data Base management System Pr	✓	✓	✓	✓
302	CSC505	Programming in JAVA	✓	✓	✓	✓
303	CSC515	Programming in Java Pr	✓	✓	✓	✓
304	CSC506A	Operating Systems	✓	✓	✓	✓
305	CSC516A	Operating Systems Pr	✓	✓	✓	✓
306	CSC607	Computer Networks	✓	✓	✓	✓
307	CSC617	Computer Networks Pr	✓	✓	✓	✓
308	CSC608	Web Technologies	✓	✓	✓	✓
309	CSC618	Web Technologies Pr	✓	✓	✓	✓
310	ELE101	Circuit Analysis	✓	✓	✓	✓
311	ELE111	Circuit Analysis	✓	✓	✓	✓
312	ELE202	Electronic Devices	✓	✓	✓	✓
313	ELE212	Electronic Devices	✓	✓	✓	✓
314	ELE303	Analog Circuits	✓	✓	✓	✓
315	ELE313	Analog Circuits	✓	✓	✓	✓
316	ELE404	Communication	✓	✓	✓	✓
317	ELE414	Communication	✓	✓	✓	✓
318	ELE505	Digital Electronics	✓	✓	✓	✓
319	ELE515	Digital Electronics Pr	✓	✓	✓	✓
320	ELE506A	Microprocessors and Microcontrollers	✓	✓	✓	✓
321	ELE516A	Microprocessors and Microcontrollers Pr	✓	✓	✓	✓
322	ELE607	Digital Communication	✓	✓	✓	✓
323	ELE617	Digital Communication Pr	✓	✓	✓	✓
324	ELE608	Embedded Systems	✓	✓	✓	✓
325	ELE618	Embedded Systems Pr	✓	✓	✓	✓
326	MAT101	Differential Equation	✓	✓	✓	✓
327	MAT111	Differential Equation	✓	✓	✓	✓

328	MAT202	Differential and Integral Calculus	✓	✓	✓	✓
329	MAT212	Differential and Integral Calculus	✓	✓	✓	✓
330	MAT303	Real Analysis	✓	✓	✓	✓
331	MAT313		✓	✓	✓	✓
332	MAT404	Algebra	✓	✓	✓	✓
333	MAT414		✓	✓	✓	✓
334	MAT505	Linear Algebra	✓	✓	✓	✓
335	MAT515	Solide Geometry	✓	✓	✓	✓
336	MAT506A	Linear Algebra Pr	✓	✓	✓	✓
337	MAT516A	Solide Geometry Pr	✓	✓	✓	✓
338	MAT607	Numerical Analysis	✓	✓	✓	✓
339	MAT617	Vector Calculus	✓	✓	✓	✓
340	MAT608	Numerical Analysis Pr	✓	✓	✓	✓
341	MAT618	Vector Calculus Pr	✓	✓	✓	✓
342	PHY101	Mechanics & Oscillations	✓	✓	✓	✓
343	PHY111	Mechanics & Oscillations	✓	✓	✓	✓
344	PHY202	Thermal Physics	✓	✓	✓	✓
345	PHY212	Thermal Physics	✓	✓	✓	✓
346	PHY303	Thermal Physics	✓	✓	✓	✓
347	PHY313	Thermal Physics	✓	✓	✓	✓
348	PHY404	Optics	✓	✓	✓	✓
349	PHY414	Optics	✓	✓	✓	✓
350	PHY505	Electromagnetism	✓	✓	✓	✓
351	PHY515	Electromagnetism Pr	✓	✓	✓	✓
352	PHY506A	Solid State Physics	✓	✓	✓	✓
353	PHY516A	Solid State Physics Pr	✓	✓	✓	✓
354	PHY607	Modern Physics	✓	✓	✓	✓
355	PHY617	Modern Physics Pr	✓	✓	✓	✓
356	PHY608	Basic Electronics	✓	✓	✓	✓
357	PHY618	Basic Electronics Pr	✓	✓	✓	✓
358	STA101	Descriptive Statistics & Probability				✓
359	STA111	Descriptive Statistics & Probability Pr				✓
360	STA202	Probability Distributions				✓
361	STA212	Probability Distributions Pr				✓
362	STA303	Linear Regression Analysis&Statistical Inference-I				✓
363	STA313	Linear Regression Analysis&Statistical Inference-I Pr				✓
364	STA 404	Statistical Inference II				✓
365	STA414	Statistical Inference II Pr				✓
366	STA505	Sampling Techniques and Business Economics				✓
367	STA515	Sampling Techniques and Business Economics Pr				✓
368	STA506A	Statistical Quality Control & Reliability				✓
369	STA516A	Statistical Quality Control & Reliability Pr				✓
370	STA607	Design of experiments, Vital Statistics, Index Numbers and Official Statistics				✓
371	STA617	Design of experiments, Vital Statistics, Index Numbers and Official Statistics Pr				✓
372	STA608	Operations Research				✓
373	STA618	Operations Research Pr				✓
374	LIT101	English literature	X	X	✓	✓
375	LIT202	Introduction to English Language and Literature	✓	✓	✓	✓
376	LIT303	English Drama	✓	✓	✓	✓
377	LIT404	English Fiction	✓	✓	✓	✓
378	LIT505	Modern Indian Literature	✓	✓	✓	✓
379	LIT506	Modern Indian Literature	✓	✓	✓	✓
380	LIT607	American Literature	✓	✓	✓	✓
381	LIT608	English for academic and professional purposes	✓	✓	✓	✓
382	ECO101	Micro Economics – I	✓	✓	✓	
383	ECO202	MICRO ECONOMICS – II	✓	✓	✓	
384	ECO 303	Macro Economics – I	✓	✓	✓	✓
385	ECO 404	Macro Economics – II	✓	✓	✓	✓
386	ECO505	Indian Economy	✓	✓	✓	✓
387	ECO515	Project Viva	✓	✓	✓	✓
388	ECO506	Public Economics	✓	✓	✓	✓
389	ECO607	Indian Economy	✓	✓	✓	✓
390	ECO617	Project Viva	✓	✓	✓	✓
391	ECO608	International Economics	✓	✓	✓	✓

392	HIS101	Early History of India HIS 101 (From earliest times to 650	✓				
393	HIS202	Early Medieval Indian History (1206-1707)					
394	HIS303	History of India (1526-1767)					
395	HIS404	History of India (1858-1964 CC)	✓				
396	HIS505	World History (1453-1815CE)					
397	HIS506	History of Telangana (From earliest times to 1724)					
398	HIS607	World History (1850-1950)					
399	HIS608	History of Telangana (1724-2014)					
400	POL101	Understanding Political Theory					✓
401	POL202	Western Political Thought					✓
402	POL303	Indian Political Thought			✓		✓
403	POL404	Constitution & Politics of India	✓	✓	✓		
404	POL505	International Relations-I					✓
405	POL506A	Ameican Government & Politics					✓
406	POL506B	Election Studies	✓	✓	✓		
407	POL607	International Relations-II					✓
408	POL608A	American Government & Politics					✓
409	POL608B	Election Studies	✓	✓	✓		✓
410	PUB101	Introduction to Public Adminitration	✓	✓	✓		✓
411	PUB202	Development Dynamics & Emerging Trends	✓	✓	✓		✓
412	PUB303	Union Administration	✓	✓	✓		
413	PUB404	State Administration and Emerging Issues	✓	✓	✓		
414	PUB505	Human Resource Management	✓	✓	✓		✓
415	PUB506	Rural Local Governance	✓	✓	✓		
416	PUB607	Financial and Material Resource Management	✓	✓	✓		
417	PUB608	Urban Local Governance	✓	✓	✓		
418	PSY101	Basic Psychological Processes	✓	✓	✓		✓
419	PSY111	Basic Psychological ProcessesPr					
420	PSY202	Cognitive Processes	✓	✓	✓		✓
421	PSY212	Cognitive ProcessesPr					
422	PSY 303	Dynamics Of Personality	✓	✓	✓		✓
423	PSY 313	Dynamics Of PersonalityPR					
424	PSY 404	Child and Adolescent Psychology	✓	✓	✓		✓
425	PSY 414	Child and Adolescent PsychologyPr					
426	PSY505	Social Psychology I	✓	✓	✓		✓
427	PSY515	Social Psychology-I PR					
428	PSY506	Abnormal Psychology I	✓	✓	✓		✓
429	PSY516	Abnormal Psychology-I PR					
430	PSY607	Social Psychology II	✓	✓	✓		✓
431	PSY617	Social Psychology II Pr					
432	PSY608	Abnormal Psychology II	✓	✓	✓		✓
433	PSY618	Abnormal Psychology-Ipr					
434	JOU 101	Introduction to Communication & Journalism	✓	✓	✓		✓
435	JOU 202	Mass Meida Ini Inida	✓	✓	✓		✓
436	JOU 303	Reporting & Editing for Print Media	✓	✓	✓		✓
437	JOU 404	BROADCAST JOURNALISM	✓	✓	✓		✓
438	JOU 505A	Advertising	✓	✓	✓		✓
439	JOU 606A	Public Relations	✓	✓	✓		✓
440	JOU 606B	ntroduction to Digital Journalism	✓	✓	✓		✓
441	JOU 606C	Specialized reporting	✓	✓	✓		✓
442	MCOM101	Managerial Economics	✓	✓	✓		
443	MCOM102	Principles of Marketing	✓	✓	✓		
444	MCOM103	Organizational Theory & Organizational Behavior	✓	✓	✓		
445	MCOM104	Financial Management	✓	✓	✓		
446	MCOM105	Indian Accounting Standards		✓	✓		✓
447	MAOC101A	Communicative English & Soft Skills	✓		✓		
448	SMNR111	Seminar	✓	✓	✓		✓
449	MCOM201	International Business and Business Environment	✓	✓			
450	MCOM202	Marketing Management	✓	✓	✓		
451	MCOM203	Human Resource Management	✓	✓	✓		✓
452	MCOM204	Investment Management	✓	✓			✓
453	MCOM205	Advanced Managerial Accounting	✓	✓			
454	MAOC201	Statistical Package for Social Sciences(SPSS)	✓	✓	✓		✓
455	SMNR211	Seminar	✓	✓			✓
456	MCHE101	Inorganic Chemistry	✓	✓	✓		✓
457	MCHE102	Organic Chemistry	✓	✓	✓		✓

458	MCHE103	Physical Chemistry	✓	✓	✓	✓
459	MCHE104	Analytical Techniques & Spectroscopy-I	✓	✓	✓	✓
460	MCHE111	Inorganic Chemistry Pr	✓	✓	✓	✓
461	MCHE112	Organic Chemistry Pr	✓	✓	✓	✓
462	MCHE113	Physical Chemistry Pr	✓	✓	✓	✓
463	MAOC101	Communicative English & Soft Skills				
464	MCHE201	Inorganic Chemistry	✓	✓	✓	✓
465	MCHE202	Organic Chemistry	✓	✓	✓	✓
466	MCHE203	Physical Chemistry	✓	✓	✓	✓
467	MCHE204	Analytical Techniques and Spectroscopy-II	✓	✓	✓	✓
468	MCHE211	Inorganic Chemistry Pr	✓	✓	✓	✓
469	MCHE212	Organic Chemistry Pr	✓	✓	✓	✓
470	MCHE213	Physical Chemistry Pr	✓	✓	✓	✓
471	MAOC201A	Basics of Computer Science				
472	MNUT101	Human Physiology	✓	✓	✓	✓
473	MNUT102	Nutritional Biochemistry-I	✓	✓	✓	✓
474	MNUT112	Nutritional Biochemistry-I PR	✓	✓	✓	✓
475	MNUT103	Food science	✓	✓	✓	✓
476	MNUT104	Public Health and Community Nutrition	✓	✓	✓	✓
477	MNUT105	Nutraceuticals and Nutrigenomics	✓	✓	✓	✓
478	MNUT106	Food product Development and Entrepreneurship	✓	✓	✓	✓
479	MAOC101	English and Soft skills	✓	✓	✓	✓
480	MNUT201	Medical Nutrition Management-I	✓	✓	✓	✓
481	MNUT211	Medical Nutrition Management-I Pr	✓	✓	✓	✓
482	MNUT202	Nutritional Biochemistry-II	✓	✓	✓	✓
483	MNUT212	Nutritional Biochemistry-II Pr	✓	✓	✓	✓
484	MNUT203	Food Safety and Quality Control	✓	✓	✓	✓
485	MNUT213	Food Safety and Quality Control Pr	✓	✓	✓	✓
486	MNUT204	Research Methodology and Statistics	✓	✓	✓	✓
487	MAOC201	Computer Applications	✓	✓	✓	✓
488	MBA101	Management and Organizational Behavior	✓	✓	✓	
489	MBA102	Financial Statement, Analysis and Reporting	✓	✓	✓	✓
490	MBA103	Marketing Management	✓	✓	✓	
491	MBA104B	Business Statistics for Decision Making	✓	✓		
492	MBA105B	Managerial Economics	✓	✓	✓	
493	MAOC101	Indian Ethos and Culture	✓	✓	✓	
494	MBA201	Human Resource Management	✓	✓	✓	
495	MBA202	Corporate Finance	✓	✓	✓	
496	MBA203	Research Methodology	✓	✓		
497	MBA204B	Entrepreneurship and Small Business Management	✓	✓	✓	
498	MBA205B	IT for Managers	✓	✓	✓	✓
499	MAOC201	Career Edge for Young Professionals	✓	✓	✓	
500	MBA216	Comprehensive Viva Voce	✓	✓		
501	MCAN101	Mathematical Foundations of Computer Science	✓	✓	✓	✓
502	MCAN102	Data Structures using C	✓	✓	✓	✓
503	MCAN103	Object Oriented Programming using Java	✓	✓	✓	✓
504	MCAN104	Computer Architecture	✓	✓	✓	✓
505	MCAN105	Probability & Statistics	✓	✓	✓	✓
506	MCAN106	Managerial Economics and Accountancy	✓	✓	✓	✓
507	MAOC111	Soft Skills Lab	✓	✓	✓	✓
508	MCAN112	Data Structures using C Lab	✓	✓	✓	✓
509	MCAN113	Java Programming Lab	✓	✓	✓	✓
510	MCAN201	Operating Systems	✓	✓	✓	✓
511	MCAN211	Operating Systems Lab	✓	✓	✓	✓
512	MCAN202	Database Management System	✓	✓	✓	✓
513	MCAN212	Database Management System Lab	✓	✓	✓	✓
514	MCAN203	Design and Analysis of Algorithms	✓	✓	✓	✓
515	MCAN204	Artificial Intelligence	✓	✓	✓	✓
516	MCAN214	Artificial Intelligence with Python Lab	✓	✓	✓	✓
517	MCAN205	Machine Learning	✓	✓	✓	✓
518	MCAN206	Operations Research	✓	✓	✓	✓
519	MAOC201	Fundamentals of Digital Marketing	✓	✓	✓	✓
520	DNUT101	Clinical Nutrition-I	✓	✓	✓	✓
521	DNUT102	Clinical Nutrition-II	✓	✓	✓	✓
522	DNUT103	Physiology	✓	✓	✓	✓
523	DNUT104	Dietetic Techniques, Patient Counselling and Food Service Ma	✓	✓	✓	✓

524	DNUT111	Clinical Nutrition-I Pr	✓	✓	✓	✓
525	DNUT112	Clinical Nutrition-II Pr	✓	✓	✓	✓
526	MAOC101A	Communicative English and Soft Skills	✓	✓	✓	✓
527	DNUT201	Public Health and Epidemiology	✓	✓	✓	✓
528	INTP211	Hospital Internship	✓	✓	✓	✓
529	DDAT101	Statistical Techniques for Data Analytics				
530	DDAT102	Predictive Modelling				
531	DDAT103	Machine Learning				
532	DDAT104	Python for Data Analytics				
533	DDAT111	Statistical Techniques for Data Analytics PR				
534	DDAT112	Predictive Modelling PR				
535	DDAT113	Machine Learning PR				
536	DDAT114	Python for Data Analytics PR				
537	DDAT201	EDA and Business Intelligence				
538	DDAT211	EDA and Business Intelligence Pr				
539	DDAT202	Deep Learning				
540	DDAT212	Deep Learning Pr				
541	MAOC201	Campus Recruitment Training				
542	INTP213	Capstone Project/Internship				
543	MCOM301	Research Methodologies & Statistical Analysis	✓	✓	✓	✓
544	MCOM302	E-Commerce	✓	✓		✓
545	MCOM303	Cost Accounting & Control	✓	✓		
546	MCOM304	International Financial Management	✓	✓		✓
547	MCOM305	Security Analysis & Portfolio Management	✓	✓		✓
548	MIDC301	Executive Communication, Entrepreneurship and Management of MSME's, Environment Management, Needful Nutrition	✓	✓	✓	✓
549	SMNR311	Seminar	✓	✓	✓	✓
550	MCOM401	Quantitative Techniques for Business Decisions	✓	✓	✓	
551	MCOM402	Business and Corporate Taxation	✓	✓	✓	
552	MCOM403	Strategic Management	✓	✓	✓	✓
553	MCOM404	Financial Services	✓	✓	✓	
554	MCOM405	Financial Derivatives	✓	✓		✓
555	PRJT411	Project Work	✓	✓		
556	SMNR411	Seminar	✓	✓	✓	✓
557	MCHE301	Analysis and ORD	✓	✓	✓	✓
558	MCHE302	Modern Organic Synthesis	✓	✓	✓	✓
559	MCHE303A	Polymer & Dye Chemistry	✓	✓	✓	✓
560	MCHE304A	Biomolecules	✓	✓	✓	✓
561	MCHE311	Synthesis of Organic Compounds Pr				
562	MCHE312	Products Pr	✓	✓	✓	✓
563	MIDC301	Environment Management	✓	✓	✓	✓
564	MCHE401	Drug Design and Drug Discovery	✓	✓	✓	✓
565	MCHE402	Drug Synthesis and Mechanism of Action	✓	✓	✓	✓
566	MCHE403A	Advanced Heterocyclic Chemistry	✓	✓	✓	✓
567	MCHE404A	Advanced Natural Products	✓	✓	✓	✓
568	MCHE411	Spectroscopic Identification of Organic Compounds and Chromatography Pr	✓	✓	✓	✓
569	MCHE412	Synthesis and Analysis of Drugs Pr	✓	✓	✓	✓
570	MNUT301	Dietetic Techniques and Patient Counselling	✓	✓	✓	✓
571	MNUT302	Medical Nutrition Management-II				
572	MNUT312	Medical Nutrition Management-II PR	✓	✓	✓	✓
573	MNUT303	Nutrition for Special Groups	✓	✓	✓	✓
574	MNUT313	Dissertation	✓	✓	✓	✓
575	MIDC301	Entrepreneurship and Small Business Management, Environment Management, Needful Nutrition, Executive Communication	✓	✓	✓	✓
576	MNUT401	Food Service Management	✓	✓	✓	✓
577	MNUT402A	Diabetes Patient Education	✓	✓	✓	✓
578	INTP411	Hospital Internship	✓	✓	✓	✓
579	MBA301	Operations Management	✓	✓	✓	✓
580	MBA302	Operations Research	✓	✓	✓	✓
581	MBA303	Logistics Management	✓	✓	✓	
582	MBA304	DSE-IFinance-Derivatives Management, Marketing-Product & Brand Management, Human Resource-Compensation Management, Systems-Management Information System	✓	✓		

583	MBA305	DSE-II Finance-International Finance, Marketing-Advertising & Promotion, Human Resource-Organizational Development, Systems-Business Analytics	✓	✓	✓	
584	MBA316	Project Work Tutorial / Case study	✓	✓	✓	
585	MIDC301	Executive Communication, Entrepreneurship and Management of MSME's, Environment Management, Needful Nutrition	✓	✓	✓	✓
586	MBA401	Strategic Management	✓	✓		
587	MBA402	e-Business	✓	✓		
588	MBA403	Crisis & Disaster Management	✓	✓	✓	✓
589	MBA404	DSE-III Finance-Security Analysis and Portfolio Management, Marketing-Consumer Behavior, Human Resource-Performance Management, Systems-Data Base Management Systems	✓	✓	✓	✓
590	MBA405	DSE-IV Finance-Banking and Insurance, Marketing-Services Marketing, Human Resource-Labour Laws and Employee Relations, Systems-Enterprise Resource Planning	✓	✓	✓	
591	PRJT416	Project Work & Viva Voce	✓	✓	✓	
592	MCAN301	Software Engineering	✓	✓	✓	
593	MCAN311	Software Engineering Lab	✓	✓	✓	
594	MCAN302	Computer Networks	✓	✓	✓	✓
595	MCAN312	Computer Networks Lab	✓	✓	✓	✓
596	MCAN303	Data Science	✓	✓	✓	✓
597	MCAN313	Data Science Lab	✓	✓	✓	✓
598	MCAN304	Web Technologies	✓	✓	✓	✓
599	MCAN305A	Information Security	✓	✓	✓	✓
600	MCAN306D	Natural Language Processing	✓	✓	✓	✓
601	SPIN307	Summer Internship	✓	✓	✓	✓
602	MCAN401B	Big data Analytics	✓	✓	✓	✓
603	MCAN402A	Cyber Security	✓	✓	✓	✓
604	MCAN303D	Organization Behaviour	✓	✓	✓	✓
605	PROJN411	Project work	✓	✓	✓	✓
606	AECC 101A/202B	Environmental Science	✓	✓	✓	✓
607	AECC 101B/202A	Gender Sensitization	✓	✓	✓	✓
608	AECC 202C	Basic Computer Skills	✓			
609	AECC 303	Science & Environment	✓			
610	AECC 404A	Computer Skills	✓			
611	AECC 404B	Human Rights	✓			
612	AECC 505	Finishing School	✓			
613	AECC 606	Gender Studies	✓			
614	CCA601	Community Theatre	✓			
615	CCA601	Consumer Education and Awareness	✓			
616	CCA601	Environment Education	✓			
617	CCA601	Innovate To Enterprise	✓			
618	CCA601	Monuments, Culture & Tradition of Telangana	✓			
619	CCA601	NCC	✓			
620	CCA601	NGO Management	✓			
621	CCA601	NSS	✓			
622	CCA601	Outreach	✓			
623	CCA601	Physical Education	✓			
624	Certificate Course	Tally certificate course on GST, TDS	✓			
625	COC401	Advanced Ms Excel and R-Programming	✓			
626	COC401	Anchoring And News Reading	✓			
627	COC401	Aquarium Maintenance	✓			
628	COC401	Arabic Translation and Phonetics	✓			
629	COC401	Artificial Intelligence	✓			
630	COC401	Baking Techniques	✓			
631	COC401	Beginners Course in Machine Learning	✓			
632	COC401	Clinical Cytogenetics	✓			
633	COC401	Communication Skills & Prof. Effectiveness	✓			
634	COC401	Culinary Techniques	✓			
635	COC401	Design Thinking as a Skill	✓			
636	COC401	Digital Marketing	✓			
637	COC401	Disaster Management	✓			
638	COC401	Entrepreneurship Development Skills	✓			
639	COC401	General Mathematics	✓			

640	COC401	Meditation	✓			
641	COC401	Herbal Medicine and Beauty Care	✓			
642	COC401	International Travel & Tourism Management	✓			
643	COC401	Interpersonal Communication	✓			
644	COC401	Media Communication	✓			
645	COC401	Medical Coding	✓			
646	COC401	Medical Lab Technology	✓			
647	COC401	Nutrition and Fitness	✓			
648	COC401	Python Programming	✓			
649	COC401	Retail Management	✓			
650	COC401	Robotics	✓			
651	COC401	Sociology of Culture	✓			
652	COC401	Textiles and Dyeing	✓			
653	COC401	Women and Career and Growth	✓			
654	COC401	Women Studies	✓			
655	IDC501	Arabic - Functional Arabic	✓			
656	IDC501	BBM - Managerial Communication	✓			
657	IDC501	BBM - Project Management	✓			
658	IDC501	Biochemistry & Genetics - Health and Biomarkers	✓			
659	IDC501	Biotechnology-Plant Tissue Culture	✓			
660	IDC501	Botany - Home Gardening and Landscaping	✓			
661	IDC501	Chemistry - Research Methodology	✓			
662	IDC501	Commerce - E Commerce	✓			
663	IDC501	Commerce - Investment Management	✓			
664	IDC501	Commerce - Talent and Knowledge Management	✓			
665	IDC501	Computer Science - FOSS tools	✓			
666	IDC501	Economics - Telangana Economy	✓			
667	IDC501	English - Creative Writing	✓			
668	IDC501	French - Spoken French for Beginners	✓			
669	IDC501	History - South Indian Heritage	✓			
670	IDC501	Mathematics - Mathematics for Competitive Exams	✓			
671	IDC501	Microbiology - Microbiology for Health and Wealth	✓			
672	IDC501	Nutrition - Needful Nutrition	✓			
673	IDC501	Physics & Electronics - Digital Photography	✓			
674	IDC501	Political Science - Indian Constitution	✓			
675	IDC501	Psychology - Positive Psychology	✓			
676	IDC501	Public Administration - Good Governance	✓			
677	IDC501	Sanskrit - Nutritional Psychosomatics and Ancient Medicinal Systems	✓			
678	IDC501	Statistics - Basic Statistics and Data Analysis	✓			
679	IDC501	Telangana Economy	✓			
680	IDC501	Telugu - Journalism in Telugu	✓			
681	IDC501	Zoology - Women and Health	✓			
682	MAOC101	Indian Ethos & Culture	✓			
683	MAOC101	Communicative Skills	✓			
684	MAOC101	English & Soft skills	✓			
685	MAOC101	Soft Skills-Lab	✓			
686	MAOC201	Career Skills - Online Course by TCS	✓			
687	MAOC201	Basics of Computer Science	✓			
688	MAOC201	Fundamentals of digital Marketing	✓			
689	MAOC201	Life Skills & Well being	✓			
690	MAOC201	Statistical Package for Social Sciences (SPSS)	✓			
691	MIDC301	Executive Communication	✓			
692	MIDC301	Environment Management	✓			
693	MIDC301	Micro and Medium Small Scale Enterprise	✓			
694	MIDC301	Needful Nutrition	✓			
695	MOOCs	Career Edge for Young Professionals by TCSION	✓			
696	SOC201	Bible Foundation Course	✓			
697	SOC201	Calligraphy	✓			
698	SOC201	Cosmetology	✓			
699	SOC201	Design Thinking as a Skill	✓			
700	SOC201	Embroidery	✓			
701	SOC201	Fabric Painting	✓			
702	SOC201	Fashion Designing	✓			
703	SOC201	Foreign language - German	✓			
704	SOC201	Glass Painting	✓			

705	SOC201	Handicrafts	✓			
706	SOC201	Happiness	✓			
707	SOC201	Herbal Medicine & Beauty Care	✓			
708	SOC201	Home Decoration	✓			
709	SOC201	Interview Skills	✓			
710	SOC201	Music - Vocal	✓			
711	SOC201	Office Management	✓			
712	SOC201	Oil Painting	✓			
713	SOC201	Pencil Sketching and Shading	✓			
714	SOC201	Professional Image Building and Business Etiquette	✓			
715	SOC201	Self Defence	✓			
716	SOC201	Urdu Qaida Course	✓			
717	SOC201	Web-designing	✓			
718	SOC201	Western Dance	✓			

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